

Adafruit.c

/*****

Adafruit MQTT Library ESP8266 Example

Must use ESP8266 Arduino from:

<https://github.com/esp8266/Arduino>

Works great with Adafruit's Huzzah ESP board & Feather

----> <https://www.adafruit.com/product/2471>

----> <https://www.adafruit.com/products/2821>

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*****/

#include <ESP8266WiFi.h>

#include "Adafruit_MQTT.h"

#include "Adafruit_MQTT_Client.h"

#include "Ultrasonic.h"

/***** WiFi Access Point

*****/

#define WLAN_SSID "rons"

#define WLAN_PASS "1sampai8"

/***** Adafruit.io Setup

*****/

#define AIO_SERVER "io.adafruit.com"

#define AIO_SERVERPORT 1883 // use 8883 for SSL

#define AIO_USERNAME "ronnyper2310"

#define AIO_KEY "9746c74785a04b1e93999792dacf15d4"

/***** Global State (you don't need to change this!)

*****/

// Create an ESP8266 WiFiClient class to connect to the MQTT server.

WiFiClient client;

// or... use WiFiClientSecure for SSL

//WiFiClientSecure client;

```
// Setup the MQTT client class by passing in the WiFi client and MQTT
server and login details.
Adafruit_MQTT_Client mqtt(&client, AIO_SERVER, AIO_SERVERPORT,
AIO_USERNAME, AIO_KEY);
```

```
/****** Feeds
******/
```

```
// Setup a feed called 'photocell' for publishing.
// Notice MQTT paths for AIO follow the form:
<username>/feeds/<feedname>
Adafruit_MQTT_Publish photocell = Adafruit_MQTT_Publish(&mqtt,
AIO_USERNAME "/feeds/US001");
```

```
// Setup a feed called 'onoff' for subscribing to changes.
//Adafruit_MQTT_Subscribe onoffbutton =
Adafruit_MQTT_Subscribe(&mqtt, AIO_USERNAME "/feeds/onoff");
```

```
/****** Sketch Code
******/
```

```
// Bug workaround for Arduino 1.6.6, it seems to need a function
declaration
// for some reason (only affects ESP8266, likely an arduino-builder
bug).
void MQTT_connect();
```

```
void clearLedPin();
```

```
//Declaration Pin & Variable
const int trigPin = 14; //D5
const int echoPin = 12; //D6
const int ledPinG = 5; //D1
const int ledPinR = 4; //D2
```

```
long duration;
int distance;
```

```
void setup() {
  pinMode(trigPin, OUTPUT); // Sets the trigPin as an Output
  pinMode(echoPin, INPUT); // Sets the echoPin as an Input
  pinMode(ledPinG, OUTPUT); //Set Led Green pin
  pinMode(ledPinR, OUTPUT); //Set Led Red pin
  Serial.begin(9600); // Starts the serial communication
  //Serial.begin(115200);
  delay(20);
```

```

Serial.println(F("Adafruit MQTT Test"));

// Connect to WiFi access point.
Serial.println(); Serial.println();
Serial.print("Connecting to ");
Serial.println(WLAN_SSID);

WiFi.begin(WLAN_SSID, WLAN_PASS);
while (WiFi.status() != WL_CONNECTED) {
  delay(500);
  Serial.print(".");
}
Serial.println();

Serial.println("WiFi connected");
Serial.println("IP address: "); Serial.println(WiFi.localIP());

// Setup MQTT subscription for onoff feed.
//mqtt.subscribe(&onoffbutton);
}

uint32_t x=0;

void loop() {
  // Ensure the connection to the MQTT server is alive (this will make
  the first
  // connection and automatically reconnect when disconnected). See
  the MQTT_connect
  // function definition further below.
  MQTT_connect();

  // this is our 'wait for incoming subscription packets' busy subloop
  // try to spend your time here

  // Adafruit_MQTT_Subscribe *subscription;
  // while ((subscription = mqtt.readSubscription(5000))) {
  //   if (subscription == &onoffbutton) {
  //     Serial.print(F("Got: "));
  //     Serial.println((char *)onoffbutton.lastread);
  //   }
  // }

  // Clears the trigPin
  digitalWrite(trigPin, LOW);
  delayMicroseconds(2);

```

```

// Sets the trigPin on HIGH state for 10 micro seconds
digitalWrite(trigPin, HIGH);
delayMicroseconds(20);
digitalWrite(trigPin, LOW);

// Reads the echoPin, returns the sound wave travel time in
microseconds
duration = pulseIn(echoPin, HIGH);

// Calculating the distance
distance= duration*0.034/2;
// Prints the distance on the Serial Monitor

Serial.print("Distance: ");
Serial.println(distance);

//Led Green On
clearLedPin();
if(distance<=200){
  digitalWrite(ledPinG, HIGH);
}

if(distance>300){
  digitalWrite(ledPinR, HIGH);
}

// Now we can publish stuff!
Serial.print(F("\nSending Ultra Sonic Sensor US001 val "));
Serial.print(x);
Serial.print("...");
if (! photocell.publish(distance)) {
  Serial.println(F("Failed"));
} else {
  Serial.println(F("OK!"));
}

delay(2000);
// ping the server to keep the mqtt connection alive
// NOT required if you are publishing once every KEEPALIVE seconds
/*
if(! mqtt.ping()) {
  mqtt.disconnect();
}
*/

```

```

}

// Function to connect and reconnect as necessary to the MQTT server.
// Should be called in the loop function and it will take care if
connecting.
void MQTT_connect() {
    int8_t ret;

    // Stop if already connected.
    if (mqtt.connected()) {
        return;
    }

    Serial.print("Connecting to MQTT... ");

    uint8_t retries = 3;
    while ((ret = mqtt.connect()) != 0) { // connect will return 0 for
connected
        Serial.println(mqtt.connectErrorString(ret));
        Serial.println("Retrying MQTT connection in 5 seconds...");
        mqtt.disconnect();
        delay(5000); // wait 5 seconds
        retries--;
        if (retries == 0) {
            // basically die and wait for WDT to reset me
            while (1);
        }
    }
    Serial.println("MQTT Connected!");
}

//Clear Led Pin
void clearLedPin(){
    digitalWrite(ledPinG, LOW);
    digitalWrite(ledPinR, LOW);
    delayMicroseconds(2);
}

```

Constant.php

```

<?php
    //Configuration Database
    define('DB_NAME', 'smart_trash_monitoring');
    define('DB_USER', 'root');
    define('DB_PASSWORD', '');
    define('DB_HOST', 'localhost');

```

DbConnection.php

```
<?php

class DbConnection{

    private $con;

    function __construc(){

    }

    function connect(){
        include_once dirname(__FILE__).'/Constants.php';
        $this->con = new mysqli(DB_HOST, DB_USER,
DB_PASSWORD, DB_NAME);

        if(mysqli_connect_errno()){
            echo "Can't connect to
database".mysqli_connect_err();
        }

        return $this->con;
    }
}
```

Websocket.html

```
<html>
<head>
    <script src="lib/mqtt.js" type="text/javascript"></script>
    <script src="lib/jquery.js" type="text/javascript"></script>
    <script src="ajax/AjaxSendRequest.js"
type="text/javascript"></script>
    <script type="text/javascript">

        var url = 'wss://io.adafruit.com:443/mqtt/',
            username = 'ronnyper2310',
            aio_key = '9746c74785a04b1e93999792dacf15d4',
            topic = username + '/feeds/US001',
            counter = 0;

        var client = mqtt.connect(url, {
            username: username,
            password: aio_key
        });

        client.on('connect', function() {
```

```

        client.subscribe(topic);

    });

    // var testData;
    client.on('error', function(e) {
        $('#pre').append('ERROR: ' + e + '\n');

        console.log('ERROR: ' + e + '\n');
    });

    client.on('message', function(topic, payload) {
        $('#pre').append('RECEIVED: ' + payload + '\n');
        $('#p').text('Hasil ' + payload);
        sendAjax(topic,payload);

    });

    function sendAjax(topic,payload){
        sendTopic(topic,payload);
    }

</script>

</head>
<body>

    <h1>Adafruit IO MQTT Websocket Demo</h1>
    <p></p>
    <pre></pre>
</body>
</html>
AjaxSendRequest.js
var xmlhttp;

    function sendTopic(topic, payload) {

        if (window.XMLHttpRequest) {
            // code for IE7+, Firefox, Chrome, Opera, Safari
            xmlhttp = new XMLHttpRequest();
        } else {
            // code for IE6, IE5
            xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
        }

        xmlhttp.onreadystatechange = function() {

```

```

        if (this.readyState == 4 && this.status == 200) {
            console.log("Ready Statte "+topic+" dengan value
"+payload);
        }
    };

    var url =
"transactionLog.php?topic="+topic+"&payload="+payload;
    xmlhttp.open("GET",url,true);
    xmlhttp.send();

    console.log("Hasilnya keambil "+topic+" dengan value "+payload);
}

```

transactionLog.php

```

<?php

require_once 'ModelTransactionLog.php';

$response = array();

if($_SERVER['REQUEST_METHOD'] == 'GET'){

    if(
        isset($_GET['topic']) and
        isset($_GET['payload'])
    ){
        $db = new ModelTransactionLog();

        if($db->insertData(
            $_GET['topic'],
            $_GET['payload']
        )){
            $response['error'] = false;
            $response['message'] = 'Insert Data
Success';
        }else{
            $response['error'] = true;
            $response['message'] = 'Insert Data Failed,
Check Again';
        }
    }

    }else{
        $response['error'] = true;
        $response['message'] = 'Data not completed';
    }
}

```



```

    }else{
        $response['error'] = true;
        $response['message'] = 'Invalid Request Please Check
Again';
    }

    echo json_encode($response);

```

ModelTransactionLog.php

```
<?php
```

```

class ModelTransactionLog{

    private $con;

    function __construct(){
        require_once
dirname(__FILE__).'/conf/DbConnection.php';

        $db = new DbConnection();

        $this->con = $db->connect();
    }

    function insertData($topic, $value){

        $stmt = $this->con->prepare("insert into
transaction_log(transaction_id, topic, create_date, value) values
(NULL,?,sysdate(),?);");
        $stmt->bind_param("si",$topic, $value);

        if($stmt->execute()){
            return true;
        }else{
            return false;
        }
    }

    public function viewAllData(){
        $stmt = $this->con->prepare("select * from
device");

        $stmt->execute();
        return $stmt->get_result();
    }
}

```

```

        public function viewActiveTopic(){

                $stmt = $this->con->prepare("select * from device
where flag = 'A'");
                $stmt->execute();
                return $stmt->get_result();
        }

        public function changeAktiveTopic($topic){

                // $stmt = $this->con->prepare("select * from
device where topic = ?");
                $stmt = $this->con->prepare("select

dev.posisi as lokasi,

dev.kontroler as kontroler,

dev.sensor as sensor,

dev.topic as topic,

log.value as value,

dev.tanggal_aktif as tglAktif,

log.create_date as tglLog,

dev.stnormal as stNormal,

dev.stwarning as stWarning,

dev.stfull as stFull,

(dev.minimum - dev.maximum) as maxThreshold

from transaction_log log inner join device dev on
SUBSTRING_INDEX( log.topic, '/',- 1 ) = dev.topic

where SUBSTRING_INDEX(log.topic,'/',-1) = ? order by
transaction_id DESC limit 1");
                $stmt->bind_param("s",$topic);
                $stmt->execute();
                return $stmt->get_result();
        }
}

```

Dashboard.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <title>AdminLTE 2 | General Form Elements</title>
  <script src="lib/jquery-3.3.1.js" type="text/javascript"></script>
  <script src="lib/jquery-ui-1.12.1.custom/jquery-ui.min.js"
type="text/javascript"></script>
  <!-- Tell the browser to be responsive to screen width -->
  <meta content="width=device-width, initial-scale=1, maximum-
scale=1, user-scalable=no" name="viewport">
  <!-- Bootstrap 3.3.7 -->
  <link rel="stylesheet"
href="lib/bower_components/bootstrap/dist/css/bootstrap.min.css">
  <!-- Font Awesome -->
  <link rel="stylesheet" href="lib/bower_components/font-
awesome/css/font-awesome.min.css">
  <!-- iCheck for checkboxes and radio inputs -->
  <link rel="stylesheet" href="lib/plugins/iCheck/all.css">
  <!-- Bootstrap Color Picker -->
  <link rel="stylesheet" href="lib/bower_components/bootstrap-
colorpicker/dist/css/bootstrap-colorpicker.min.css">
  <!-- Ionicons -->
  <link rel="stylesheet"
href="lib/bower_components/Ionicons/css/ionicons.min.css">
  <!-- Select2 -->
  <link rel="stylesheet"
href="lib/bower_components/select2/dist/css/select2.min.css">
  <!-- Theme style -->
  <link rel="stylesheet" href="lib/dist/css/AdminLTE.min.css">
  <!-- AdminLTE Skins. Choose a skin from the css/skins
  folder instead of downloading all of them to reduce the load. -->
  <link rel="stylesheet" href="lib/dist/css/skins/_all-skins.min.css">

  <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and
media queries -->
  <!-- WARNING: Respond.js doesn't work if you view the page via
file:// -->
  <!--[if lt IE 9]>
  <script
src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></sc
ript>
```

```
<script
src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script
>
<![endif]-->

<!-- Google Font -->
<link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300
,400,600,700,300italic,400italic,600italic">

<style type="text/css">
.iot-box-left{
    height:206px;
    background-color: rgb(0 139 139);
}

.iot-value-left{
    color: white;font-size: 60px;
    margin-top: 20px;
    font-weight: bold;
}

.iot-box-right{
    height:200px;
    background-color: white;
    padding-left: 0px
}

.iot-value-box-right{
    min-height: 100px;
    min-width: 100px;
    padding-left:10px;
    padding-top: 10px;
}

.iot-value-slide-right{
    position: absolute;
    width: 56px;
    height: 130px;
    background-color: cyan;
    margin-left: 77px;
    margin-top: 35px;
}

.iot-value-mask-slide-right{
    width: 56px;
```

```

    height: 130px;
    background-color: white;
}

.iot-img-trash{
    height: 185px;
    width: 150px;
}
</style>

<script type="text/javascript">
$(document).ready(function(){
    //For List Data Device
    $('.rowData').on("mouseout", function(){
        $(this).css({"background-color":"white","color":"#333333"});
    })
    .on("mouseover",function(){
        $(this).css({"background-color":"#D1F2EB","color": "rgb(0 139
139)"});
    })
    .on("click",function(){
        var row = $(this).closest("tr");
        var text = row.find(".getTopic").text();
        console.log("dapet "+text);
        changeActiveTopic(text);
    });
});

//For Change Value Data Description
function changeActiveTopic(topic){
    var data;
    var topic = topic;

    if (window.XMLHttpRequest) {
        // code for IE7+, Firefox, Chrome, Opera, Safari
        xmlhttp = new XMLHttpRequest();
    } else {
        // code for IE6, IE5
        xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
    }

    xmlhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            data = this.responseText;
            var json = JSON.parse(data);
            console.log("Ready Statte "+ data);
        }
    }
}

```

```

        if(json.error == false){
            var resKontroler =
document.getElementById("descKontroler").value = json.kontroler;
            var resLokasi =
document.getElementById("descLokasi").value = json.lokasi;
            var resSensor =
document.getElementById("descSensor").value = json.sensor;
            var resTopic =
document.getElementById("descTopic").value = json.topic;
            var resThreshold =
document.getElementById("descThreshold").value = json.threshold;
            var resTanggal =
document.getElementById("descTanggal").value = json.tglAktif;
        }else{
            var resKontroler =
document.getElementById("descKontroler").value = '-';
            var resLokasi =
document.getElementById("descLokasi").value = '-';
            var resSensor =
document.getElementById("descSensor").value = '-';
            var resTopic =
document.getElementById("descTopic").value = '-';
            var resThreshold =
document.getElementById("descThreshold").value = '-';
            var resTanggal =
document.getElementById("descTanggal").value = '-';
        }
    }
};

var url = "changeActiveTopic.php?topic="+topic;
xmlhttp.open("GET",url,true);
xmlhttp.send();

console.log("Hasilnya keambil "+topic);
}

//For Check And Change Active Topic
function activeConsole(){
    var descTopic = document.getElementById('descTopic').value;
    var capacityTopic = document.getElementById('capacity-
topic').innerHTML;
    var capacityStatus = document.getElementById('capacity-
status').innerHTML;

```

```

        console.log("topic capacity "+capacityTopic+" topic desc
        "+descTopic+" Status "+capacityStatus);

        if(capacityTopic != descTopic){
            changeActiveTopic(descTopic);
            document.getElementById('capacity-topic').innerHTML =
descTopic;
            console.log("Tidak sama");
        }else{
            capacity(descTopic);
            console.log("Tidak sama");
        }
    }

}

function updateLog(topic,value,tanggal,threshold){
    var tglLogForm = document.getElementById("lastTime").value;
    var logTopic = topic;
    var logValue = value;
    var logTanggal = tanggal;
    var logThreshold = threshold;

    if (logValue > logThreshold) {
        logValue = logThreshold;
        // return getData;
    } else {
        logValue;
    }

    if(logThreshold == 0){
        logThreshold = 1;
    } else {
        logThreshold;
    }

    var getHasilData = Math.round((logValue / logThreshold)*100);

    console.log("Get Hasil "+getHasilData+" threshold
    "+logThreshold+" getData "+logValue);

    var hasil = Math.round(130-(getHasilData/100*130));

    console.log("Tanggal Log "+ logTanggal + " Tanggal Form "
    +tglLogForm);

```

```

if (logTanggal != tglLogForm) {
    var currentdate = new Date();
    var datetime = currentdate.getFullYear() + "-"
        + (currentdate.getMonth()+1) + "-"
        + currentdate.getDate() + " "
        + currentdate.getHours() + ":"
        + currentdate.getMinutes() + ":"
        + currentdate.getSeconds();
    $("textarea").append("Times: "+logTanggal+" Topic:
"+logTopic+" Value: "+getHasilData+"\n");

    var tglLogForm =
document.getElementById("lastTime").value = logTanggal;
    var topicLogForm =
document.getElementById("lastTopic").value = logTopic;
    }else{
        console.log("Hasil sama Jadi Tidak tercetak di console");
    }
}

function capacity(topic){
    var data;
    var topic = topic;

    if (window.XMLHttpRequest) {
        // code for IE7+, Firefox, Chrome, Opera, Safari
        xmlhttp = new XMLHttpRequest();
    } else {
        // code for IE6, IE5
        xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
    }

    xmlhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            data = this.responseText;
            var json = JSON.parse(data);
            var logTopic = json.topic;
            var logTanggal = json.tglAktif;
            var logValue = json.value;

            if(json.error == false){

updateCapacity(json.value,json.threshold,json.stNormal,json.stWarnin
g,json.stFull);

```



```

        // console.log("Tanggal Log "+ logTanggal+" Topic Log
"+tglLogForm);

        updateLog(logTopic,logValue,json.tglLog,json.threshold);
    }else{
        updateCapacity(0,0,0,0,0);
        // console.log("Tanggal Log "+ logTanggal+" Topic Log
"+tglLogForm);

        updateLog("-",0,"-",0);
    }

    }
};

var url = "changeActiveTopic.php?topic="+topic;
xmlhttp.open("GET",url,true);
xmlhttp.send();
}

function
updateCapacity(value,maxThreshold,stNormal,stWarning,stFull){
    var getValue = value;
    var getMaxThreshold = maxThreshold;
    var getNormal = stNormal;
    var getWarning = stWarning;
    var getFull = stFull;

    if (getValue > getMaxThreshold) {
        getValue = getMaxThreshold;
        // return getData;
    } else {
        getValue;
    }

    if(getMaxThreshold == 0){
        getMaxThreshold = 1;
    }else{
        getMaxThreshold;
    }
}

```

```

    var getHasilData = Math.round((getValue /
getMaxThreshold)*100);

    console.log("Get Hasil "+getHasilData+" threshold
"+getMaxThreshold+" getData "+getValue);

    var hasil = Math.round(130-(getHasilData/100*130));

    console.log("persen "+getHasilData+" Hasil "+hasil);

    $(document).ready(function(){
        $('#mask-slide').animate({height: hasil},1000);
        // var boxValue = 100-hasil;
        $('#box-value').text(getHasilData+"%");

        // For Status Capacity
        if(getHasilData >= getFull & getFull == 0){
            $('#capacity-status').text('Not
Active').css({"color":"White","width":"100%","height":"17px","backgro
und-color":"Darkred"});
        }else{
            if (getHasilData >= getFull & getFull > 0) {
                $('#capacity-
status').text('Full').css({"color":"White","width":"100%","height":"17p
x","background-color":"Darkred"});
            }else if(getHasilData > getNormal & getHasilData <
getFull){
                $('#capacity-
status').text('Warning').css({"color":"White","width":"100%","height":
"17px","background-color":"GoldenRod"});
            }else if(getHasilData <= getNormal){
                $('#capacity-
status').text('Normal').css({"color":"White","width":"100%","height":
"17px","background-color":"DarkSlateGrey"});
            }
        }
    });

    }

    var intervalID;

    function onConsole(){
        console.log("status ON");
        $('#onButton').addClass("btn bg-navy bg-flat btn-xs");
        $('#offButton').removeClass("btn bg-navy bg-flat btn-xs");
    }

```

```

        $("#offButton").addClass("btn btn-xs bg-flat btn-default");
        intervalID = setInterval(activeConsole,3000);
    }

    function offConsole(){
        console.log("status OFF");
        $("#offButton").addClass("btn bg-navy bg-flat btn-xs");
        $("#onButton").removeClass("btn bg-navy bg-flat btn-xs");
        $("#onButton").addClass("btn btn-xs bg-flat btn-default");
        clearInterval(intervalID);
    }

```

```

</script>

</head>
<body class="hold-transition skin-blue sidebar-mini"
onload="offConsole();">
    <?php include "ModelTransactionLog.php" ?>
    <div class="wrapper">
        <!--header-->
        <header class="main-header">
            <!-- Logo -->
            <a href=" ../index2.html" class="logo">
                <!-- mini logo for sidebar mini 50x50 pixels -->
                <span class="logo-mini"><b>IoT</b></span>
                <!-- logo for regular state and mobile devices -->
                <span class="logo-lg"><b>Smart</b>Trash</span>
            </a>
            <!-- Header Navbar: style can be found in header.less -->
            <nav class="navbar navbar-static-top">
                <!-- Sidebar toggle button-->
                <a href="#" class="sidebar-toggle" data-toggle="push-menu"
role="button">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </a>

                <div class="navbar-custom-menu">
                    <ul class="nav navbar-nav">
                        <!-- User Account: style can be found in dropdown.less -->
                        <li class="dropdown user user-menu">

```

```
<a href="#" class="dropdown-toggle" data-  
toggle="dropdown">  
    <span class="hidden-xs">Alexander Pierce</span>  
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<i class="fa fa-gears"></i>  
</a>  
<ul class="dropdown-menu col-md-1">  
    <!-- Menu Footer-->  
    <li class="user-footer">  
        <div class="pull-right">  
            <a href="#" class="btn btn-default btn-flat">Sign  
out</a>  
                </div>  
        </li>  
    </ul>  
</li>  
<!-- Control Sidebar Toggle Button -->  
<li>  
    <a href="#" data-toggle="control-sidebar"></a>  
</li>  
</ul>  
</div>  
</nav>  
</header>  
  
<!--Side Bar-->  
<aside class="main-sidebar">  
    <!-- sidebar: style can be found in sidebar.less -->  
    <section class="sidebar">  
        <!-- sidebar menu: : style can be found in sidebar.less -->  
        <ul class="sidebar-menu" data-widget="tree">  
            <li class="header">MAIN NAVIGATION</li>  
            <li class="active">  
                <a href="dashboard.html">  
                    <i class="fa fa-dashboard"></i> <span>Dashboard</span>  
                </a>  
            </li>  
            <li>  
                <a href="device.html">  
                    <i class="fa fa-cogs"></i> <span>Devices</span>  
                </a>  
            </li>  
            <li>  
                <a href="user.html">  
                    <i class="fa fa-user"></i> <span>User</span>  
                </a>  
            </li>
```

```

        </ul>
    </section>
    <!-- /.sidebar -->
</aside>

<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <section class="content-header">
        <h1>
            Dashboard Monitoring
            <small>Preview</small>
        </h1>
        <ol class="breadcrumb">
            <li><a href="dashboard.html"><i class="fa fa-
dashboard"></i> Home</a></li>
            <li class="active">Dashboard</li>
        </ol>
    </section>

    <!-- Main content -->
    <section class="content">
        <div class="row">
            <!-- left column -->
            <!--
            ----dashboard value
            ---->
            <div class="col-md-4">
                <!-- general form elements -->
                <div class="box box-primary" style="min-height: 250px;">
                    <div class="box-header with-border">
                        <h3 class="box-title">Value</h3>
                        <div class="box-tools">
                            <div class="btn-group">
                                <a class="btn btn-xs bg-flat btn-default" id="offButton"
onclick="offConsole();">OFF</a>
                                <a class="btn bg-navy bg-flat btn-xs" id="onButton"
onclick="onConsole();">ON</a>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
            <!-- /.box-header -->
            <div class="col-md-6 iot-box-left">
                <h3 align="center" style="color: white;font-size: 14px;
font-weight: bold;">Capacity</h3>

```

```

        <h1 align="center" class="iot-value-left"><p id="box-
value"></p></h1>
        <h3 align="center" id="capacity-status" style="color:
white; font-size: 14px; font-weight: bold;">Offline</h3>
        <p align="center" id="capacity-topic" style="color: white;
font-size: 14px; font-weight: bold;">US001</p>
    </div>
    <div class="col-md-6 iot-box-right">
        <!-- <div class="col-md-6" style="height:206px;
background-color:grey"> -->
        <div class="iot-value-box-right">
            <div class="iot-value-slide-right">
                <div class="iot-value-mask-slide-right" id="mask-
slide"></div>
            </div>
            

        </div>
    </div>
</div>
<!-- /.box -->
</div>
<!--
----dashboard Log
--->
<div class="col-md-4">
    <!-- general form elements -->
    <div class="box box-primary" style="min-height: 250px;">
        <div class="box-header with-border">
            <h3 class="box-title">Console Log</h3>
            <input type="hidden" name="lastTime" id="lastTime">
            <input type="hidden" name="lastTopic" id="lastTopic">
        </div>
        <div>
            <textarea class="textarea" placeholder="Console Value"
id="console-textarea"
                style="width: 100%; height: 200px;background-
color: black;color: #999999; font-size: 11px; line-height: 18px;
border: 1px solid #dddddd; padding: 5px;font-family: arial; font-style:
normal;" disabled="yes"></textarea>
        </div>
    </div>
<!-- /.box -->
</div>
<div class="col-md-4">
    <!-- general form elements -->

```

```

<div class="box box-primary" style="min-height: 250px;">
  <div class="box-header with-border">
    <h3 class="box-title">Data Description</h3>
  </div>
<?php

$db = new ModelTransactionLog();

$data = $db->viewActiveTopic();

$description = $data->fetch_assoc();
$lokasi = $description['posisi'];
$tanggal = $description['tanggal_aktif'];
$Kontroler = $description['kontroler'];
$threshold = $description['maximum'];
$sensor = $description['sensor'];
$topic = $description['topic'];

?>
<div class="form-group" style="margin-top: 5px;">
  <div class="row">
    <div class="col-xs-6">
      <label style="color: rgb(0 134 139);">Lokasi</label>
    </div>
    <div class="col-xs-6">
      <label style="color: rgb(0 134 139);">Tanggal
Aktif</label>
    </div>
  </div>
  <div class="row">
    <div class="col-xs-6">
      <input type="text" class="form-control" id="descLokasi"
value="<?php echo $lokasi ?>" style="color: grey;font-size: 14px;"
disabled>
    </div>
    <div class="col-xs-6">
      <input type="text" class="form-control"
id="descTanggal" value="<?php echo $tanggal ?>" style="color:
grey;font-size: 14px;" disabled>
    </div>
  </div>
  <div class="row">
    <div class="col-xs-6">
      <label style="color: rgb(0 134 139);">Kontroler</label>
    </div>

```

```

        <div class="col-xs-6">
            <label style="color: rgb(0 134 139);">Maksimum
Threshold</label>
        </div>
    </div>
    <div class="row">
        <div class="col-xs-6">
            <input type="text" class="form-control"
id="descKontroler" value="<?php echo $Kontroler ?>" style="color:
grey;font-size: 14px;" disabled>
        </div>
        <div class="col-xs-6">
            <input type="text" class="form-control"
id="descThreshold" value="<?php echo $threshold ?>" style="color:
grey;font-size: 14px;" disabled>
        </div>
    </div>
    <div class="row">
        <div class="col-xs-6">
            <label style="color: rgb(0 134 139);">Sensor</label>
        </div>
        <div class="col-xs-6">
            <label style="color: rgb(0 134 139);">Topic</label>
        </div>
    </div>
    <div class="row">
        <div class="col-xs-6">
            <input type="text" class="form-control"
id="descSensor" value="<?php echo $sensor ?>" style="color:
grey;font-size: 14px;" disabled>
        </div>
        <div class="col-xs-6">
            <input type="text" class="form-control" id="descTopic"
value="<?php echo $topic ?>" style="color: grey;font-size: 14px;"
disabled>
        </div>
    </div>
</div>
<!-- /.box -->
</div>
<!-- /.col (left) -->
</div>
<!-- /.row -->
<div class="row">
    <!-- left column -->

```



```

<div class="col-md-12">
  <!-- general form elements -->
  <div class="box box-primary" style="min-height: 100px;">
    <div class="box-header with-border">
      <h3 class="box-title">List Data Device</h3>
    </div>
    <div class="box-body">
      <table class="table table-bordered">
        <tr align="center" style="background-color: rgb(0 139
139);color: white;font-weight: bold;">
          <th style="width: 10px">No</th>
          <th>Lokasi</th>
          <th>Kontroler</th>
          <th>Sensor</th>
          <th>Topic</th>
          <th>#</th>
        </tr>
        <?php

          $data = $db->viewAllData();

          $no=1;
          while ($result = $data->fetch_assoc()) {

            ?>
            <tr class="rowData">
              <td><?php echo $no; ?></td>
              <td><?php echo $result['posisi']; ?></td>
              <td><?php echo $result['kontroler']; ?></td>
              <td><?php echo $result['sensor']; ?></td>
              <td class="getTopic"><?php echo $result['topic'];
?></td>
              <td align="center">#</td>
            </tr>
            <?php $no++; } ?>
          </table>
        </div>
        <div class="box-footer clearfix">

          </div>
        </div>
        <!-- /.box -->
      </div>
      <!--/.col (left) -->
    </div>
    <!-- /.row -->

```

```

        </section>
        <!-- /.content -->
    </div>
    <!-- /.content-wrapper -->
    <footer class="main-footer">
        <div class="pull-right hidden-xs">
            <b>Version</b> 2.4.0
        </div>
        <strong>Copyright &copy; 2014-2016 <a
href="https://adminlte.io">Almsaeed Studio</a>.</strong> All rights
        reserved.
    </footer>

```

```

</div>

```

```

    <!-- jQuery 3 -->
    <script
src="lib/bower_components/jquery/dist/jquery.min.js"></script>
    <!-- Bootstrap 3.3.7 -->
    <script
src="lib/bower_components/bootstrap/dist/js/bootstrap.min.js"></scri
pt>
    <!-- FastClick -->
    <script
src="lib/bower_components/fastclick/lib/fastclick.js"></script>
    <!-- AdminLTE App -->
    <script src="lib/dist/js/adminlte.min.js"></script>
    <!-- AdminLTE for demo purposes -->
    <script src="lib/dist/js/demo.js"></script>
    <!-- iCheck 1.0.1 -->
    <script src="lib/plugins/iCheck/ichack.min.js"></script>
    <script type="text/javascript">
    //iCheck for checkbox and radio inputs
    $('input[type="checkbox"].minimal,
input[type="radio"].minimal').iCheck({
        checkboxClass: 'icheckbox_minimal-blue',
        radioClass   : 'iradio_minimal-blue'
    })
    //Red color scheme for iCheck
    $('input[type="checkbox"].minimal-red,
input[type="radio"].minimal-red').iCheck({
        checkboxClass: 'icheckbox_minimal-red',
        radioClass   : 'iradio_minimal-red'
    })

```

```

    })
    //Flat red color scheme for iCheck
    $('input[type="checkbox"].flat-red, input[type="radio"].flat-
red').iCheck({
        checkboxClass: 'icheckbox_flat-green',
        radioClass   : 'iradio_flat-green'
    })
</script>
</body>
</html>

```

changeActiveTopic.php

```

<?php

    require_once 'ModelTransactionLog.php';

    $response = array();

    if($_SERVER['REQUEST_METHOD'] == 'GET'){

        if(
            isset($_GET['topic'])
        ){
            $db = new ModelTransactionLog();
            $data = $db->changeAktiveTopic($_GET['topic']);
            $result = $data->fetch_assoc();
            if($result){
                $response['error'] = false;
                $response['message'] = 'Get Data Success';
                $response['kontroler'] = $result['kontroler'];
                $response['lokasi'] = $result['lokasi'];
                $response['sensor'] = $result['sensor'];
                $response['topic'] = $result['topic'];
                $response['value'] = $result['value'];

                $response['tglAktif'] = $result['tglAktif'];
                $response['tglLog'] = $result['tglLog'];
                $response['stNormal'] = $result['stNormal'];
                $response['stWarning'] =
$result['stWarning'];
                $response['stFull'] = $result['stFull'];
                $response['threshold'] =
$result['maxThreshold'];
            }else{
                $response['error'] = true;

```

```

                                $response['message'] = 'Get Data Failed,
Check Again';
                                }

                                }else{
                                    $response['error'] = true;
                                    $response['message'] = 'Data not completed';
                                }
                            }else{
                                $response['error'] = true;
                                $response['message'] = 'Invalid Request Please Check
Again';
                            }

                            echo json_encode($response);

```

index.html

```

<!DOCTYPE html>
<html>
<head>
    <!-- <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstr
ap.min.css" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRx
T2MZw1T" crossorigin="anonymous"> -->

    <link rel="stylesheet" type="text/css" href="lib/bootstrap-
cdn.css">
    <script src="lib/jquery-3.3.1.js"
type="text/javascript"></script>
    <script src="lib/jquery-ui-1.12.1.custom/jquery-ui.min.js"
type="text/javascript"></script>

    <style type="text/css">
        #belakang{
            width: 300px;
            height: 500px;
            background-color: rgb(0 134 139);
        }

        #depan{
            width: 200px;
            height: 450px;
            background-color: cyan;
        }

```

```

#tengah{
    width: 200px;
    height: 450px;
    background-color: #fff;
    margin-left: 50px;
}

body{
    background-color: rgb(0 134 139);
}

#formLogin{
    width: 300px;
    min-height: 300px;
    background-color: #7fc2c5;
    opacity: 1;
    margin:auto;
    margin-top: 100px;
    padding: 20px;
}

.iot{
    width: 300px;
    min-height: 300px;
    margin:auto;
    margin-top: 100px;
    padding: 20px;
}

#headForm{
    float: left;
}

</style>

<script type="text/javascript">

    function checkForm(){
        var username;
        var password;

        username =
document.getElementById('username').value;
        password =
document.getElementById('password').value;
        alert("password");
    }

```

```

        console.log("mashuk log");
        if(length(trim(username)) != 0){
            return false;
            console.log("gagal paham");
            alert("gagal");
        }else{
            document.formLogin.submit();
            console.log("Nama = " + username);
            alert("gagal");
        }
    }
</script>
</head>
<body >

    <div id="formLogin">
        <h3 style="color: #ffffff" align="center">Login
Form</h3>
        <hr/>
        <form name="formLogin" action="login.php"
method="post">
            <div class="form-group">
                <label for="formGroupExampleInput" style="color:
#ffffff;">Username </label>
                <!-- <input type="text" class="form-control col-form-
label-sm" id="formGroupExampleInput" placeholder="Username"> -->
                <div class="input-group ">
                    <div class="input-group-prepend">
                        <div class="input-group-text alert-info">
                        </div>
                    </div>
                    <input type="text" name="username" class="form-
control " id="username" placeholder="Username">
                </div>
            </div>
            <div class="form-group">
                <label for="formGroupExampleInput2"
style="color: #ffffff;">Password</label>
                <!-- <input type="Password" class="form-control
col-form-label-sm" id="formGroupExampleInput2"
placeholder="Password"> -->
                <div class="input-group ">
                    <div class="input-group-prepend">
                        <div class="input-group-text alert-info">

```

```

        </div>
    </div>
    <input type="Password" name="password" class="form-
control" id="password" placeholder="Password">
    </div>
    </div>
    <br/>
    <input type="submit" value="Login" class="btn btn-info
btn-block" />

    </form>
    <br/>
    <hr/>
    <p align="center" style="font-size: 10px;color:#00868b;
margin-top: 0;">IoT Monitoring Smart Trash<br/>2019</p>
    </div>

</body>
</html>

```

Login.php

```

<?php

    require_once 'ModelLogin.php';

    $response = array();

    if($_SERVER['REQUEST_METHOD'] == 'POST'){

        if(
            isset($_POST['username']) and
            isset($_POST['password'])
        ){
            $db = new ModelLogin();

            if($db->checkData($_POST['username'],
$_POST['password'])){

                $username = $db-
>getData($_POST['username']);

                header("Location: dashboard.html");
            }else{
                $response['error'] = true;
                $response['message'] = 'Insert Data Failed,
Check Again';
            }
        }
    }

```

```

        }

    }else{
        $response['error'] = true;
        $response['message'] = 'Data not completed';
    }

    }else{
        $response['error'] = true;
        $response['message'] = 'Invalid Request Please Check
Again';
    }

```

ModelLogin.php

```
<?php
```

```

    /**
     * paramter username, password
     */
    class ModelLogin{

        private $con;

        function __construct()
        {
            require_once
dirname(__FILE__).'/conf/DbConnection.php';

            $db = new DbConnection();

            $this->con = $db->connect();
        }

        public function checkData($username,$password){

            $stmt = $this->con->prepare("select * from users
where (username = ? or email = ?) and password = ?");
            $stmt-
>bind_param("sss",$username,$username,$password);
            $stmt->execute();
            $stmt->store_result();
            return $stmt->num_rows > 0;

        }

        public function getData($username){

```



```

        $stmt = $this->con->prepare("select * from users
where username = ? ");
        $stmt->bind_param("s",$username);
        $stmt->execute();
        return $stmt->get_result()->fetch_assoc();
    }
}

```

User.html

```

<?php require_once 'ModelUser.php'; ?>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>AdminLTE 2 | General Form Elements</title>
    <!-- Tell the browser to be responsive to screen width -->
    <meta content="width=device-width, initial-scale=1, maximum-
scale=1, user-scalable=no" name="viewport">
    <!-- Bootstrap 3.3.7 -->
    <link rel="stylesheet"
href="lib/bower_components/bootstrap/dist/css/bootstrap.min.css">
    <!-- Font Awesome -->
    <link rel="stylesheet" href="lib/bower_components/font-
awesome/css/font-awesome.min.css">
    <!-- Ionicons -->
    <link rel="stylesheet"
href="lib/bower_components/Ionicons/css/ionicons.min.css">
    <!-- Theme style -->
    <link rel="stylesheet" href="lib/dist/css/AdminLTE.min.css">
    <!-- AdminLTE Skins. Choose a skin from the css/skins
        folder instead of downloading all of them to reduce the load. -->
    <link rel="stylesheet" href="lib/dist/css/skins/_all-skins.min.css">

    <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and
media queries -->
    <!-- WARNING: Respond.js doesn't work if you view the page via
file:// -->
    <!--[if lt IE 9]>
    <script
src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></sc
ript>
    <script
src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script
>
    <![endif]-->

```

```

<!-- Google Font -->
<link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300
,400,600,700,300italic,400italic,600italic">
</head>
<body class="hold-transition skin-blue sidebar-mini">

<div class="wrapper">
  <!--header-->
  <header class="main-header">
    <!-- Logo -->
    <a href="../../index2.html" class="logo">
      <!-- mini logo for sidebar mini 50x50 pixels -->
      <span class="logo-mini"><b>IoT</b></span>
      <!-- logo for regular state and mobile devices -->
      <span class="logo-lg"><b>Smart</b>Trash</span>
    </a>
    <!-- Header Navbar: style can be found in header.less -->
    <nav class="navbar navbar-static-top">
      <!-- Sidebar toggle button-->
      <a href="#" class="sidebar-toggle" data-toggle="push-menu"
role="button">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </a>

      <div class="navbar-custom-menu">
        <ul class="nav navbar-nav">
          <!-- User Account: style can be found in dropdown.less -->
          <li class="dropdown user user-menu">
            <a href="#" class="dropdown-toggle" data-
toggle="dropdown">
              <span class="hidden-xs">Alexander Pierce</span>
              &nbsp;&nbsp;&nbsp;<i class="fa fa-gears"></i>
            </a>
            <ul class="dropdown-menu col-md-1">
              <!-- Menu Footer-->
              <li class="user-footer">
                <div class="pull-right">
                  <a href="#" class="btn btn-default btn-flat">Sign
out</a>
                </div>
              </li>

```

```

        </ul>
      </li>
      <!-- Control Sidebar Toggle Button -->
      <li>
        <a href="#" data-toggle="control-sidebar"></a>
      </li>
    </ul>
  </div>
</nav>
</header>

<!--Side Bar-->
<aside class="main-sidebar">
  <!-- sidebar: style can be found in sidebar.less -->
  <section class="sidebar">
    <!-- sidebar menu: : style can be found in sidebar.less -->
    <ul class="sidebar-menu" data-widget="tree">
      <li class="header">MAIN NAVIGATION</li>
      <li>
        <a href="dashboard.html">
          <i class="fa fa-dashboard"></i> <span>Dashboard</span>
        </a>
      </li>
      <li>
        <a href="device.html">
          <i class="fa fa-cogs"></i> <span>Devices</span>
        </a>
      </li>
      <li class="active">
        <a href="user.html">
          <i class="fa fa-user"></i> <span>User</span>
        </a>
      </li>
    </ul>
  </section>
  <!-- /.sidebar -->
</aside>

<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  <section class="content-header">
    <h1>
      Data User
    </h1>
    <ol class="breadcrumb">

```

```

        <li><a href="#"><i class="fa fa-dashboard"></i>
User</a></li>
        <li class="active">Search User</li>
    </ol>
</section>

<!-- Main content -->
<section class="content">
    <div class="row">
        <!-- left column -->
        <div class="col-md-12">
            <!-- general form elements -->
            <div class="box box-primary" style="min-height: 400px;">
                <div class="box-header with-border">
                    <div align="right">
                        <a class="btn btn-primary btn-sm"
href="addUser.html"><i class="fa fa-user"></i> Add User</a>
                    </div>
                </div>
                <!-- /.box-header -->

                <div class="box-body">
                    <table class="table table-bordered">
                        <tr align="center">
                            <th style="width: 10px">No</th>
                            <th>Nama</th>
                            <th>Username</th>
                            <th>Tanggal Lahir</th>
                            <th>Email</th>
                            <th>Jabatan</th>
                            <th>Edit</th>
                            <th>Hapus</th>
                        </tr>
                        <?php
                            $db = new ModelUser();

                            $data = $db->viewAllData();

                            $no=1;
                            while ($result = $data->fetch_assoc()) {

                                ?>
                                <tr>
                                    <td><?php echo $no; ?></td>
                                    <td><?php echo $result['nama']; ?></td>

```

```

        <td><?php echo $result['username']; ?></td>
        <td><?php echo $result['tanggal_lahir']; ?></td>
        <td><?php echo $result['email']; ?></td>
        <td><?php echo $result['jabatan']; ?></td>
        <td align="center"><a class="fa fa-wrench btn btn-info"
></a></td>
        <td align="center"><a class="fa fa-trash btn btn-
danger" ></a></td>
    </tr>
    <?php $no++; } ?>
</table>
</div>
<div class="box-footer clearfix">
    <ul class="pagination pagination-sm no-margin pull-right">
        <li><a href="#">&laquo;</a></li>
        <li><a href="#">1</a></li>
        <li><a href="#">2</a></li>
        <li><a href="#">3</a></li>
        <li><a href="#">&raquo;</a></li>
    </ul>
</div>
</div>
</div>
<!-- /.box -->
</div>
<!-- /.col (left) -->
</div>
<!-- /.row -->

</section>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->
<footer class="main-footer">
    <div class="pull-right hidden-xs">
        <b>Version</b> 2.4.0
    </div>
    <strong>Copyright &copy; 2014-2016 <a
href="https://adminlte.io">Almsaeed Studio</a>.</strong> All rights
reserved.
</footer>

</div>

```

```

    <!-- jQuery 3 -->
    <script
src="lib/bower_components/jquery/dist/jquery.min.js"></script>
    <!-- Bootstrap 3.3.7 -->
    <script
src="lib/bower_components/bootstrap/dist/js/bootstrap.min.js"></scri
pt>
    <!-- FastClick -->
    <script
src="lib/bower_components/fastclick/lib/fastclick.js"></script>
    <!-- AdminLTE App -->
    <script src="lib/dist/js/adminlte.min.js"></script>
    <!-- AdminLTE for demo purposes -->
    <script src="lib/dist/js/demo.js"></script>
</body>
</html>

```

addUser.html

```

<!DOCTYPE html>
<html>
<head>

    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>AdminLTE 2 | General Form Elements</title>
    <!-- Tell the browser to be responsive to screen width -->
    <meta content="width=device-width, initial-scale=1, maximum-
scale=1, user-scalable=no" name="viewport">
    <!-- Bootstrap 3.3.7 -->
    <link rel="stylesheet"
href="lib/bower_components/bootstrap/dist/css/bootstrap.min.css">
    <!-- Font Awesome -->
    <link rel="stylesheet" href="lib/bower_components/font-
awesome/css/font-awesome.min.css">
    <!-- Icons -->
    <link rel="stylesheet"
href="lib/bower_components/Ionicons/css/ionicons.min.css">
    <!-- Theme style -->
    <link rel="stylesheet" href="lib/dist/css/AdminLTE.min.css">
    <!-- AdminLTE Skins. Choose a skin from the css/skins
        folder instead of downloading all of them to reduce the
load. -->
    <link rel="stylesheet" href="lib/dist/css/skins/_all-
skins.min.css">

```

```

        <!-- HTML5 Shim and Respond.js IE8 support of HTML5
elements and media queries -->
        <!-- WARNING: Respond.js doesn't work if you view the page
via file:// -->
        <!--[if lt IE 9]>
        <script
src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></sc
ript>
        <script
src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script
>
        <![endif]-->

        <!-- Google Font -->
        <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300
,400,600,700,300italic,400italic,600italic">
</head>
<body class="hold-transition skin-blue sidebar-mini">

        <div class="wrapper">
<!--header-->
<header class="main-header">
        <!-- Logo -->
        <a href=" ../index2.html" class="logo">
        <!-- mini logo for sidebar mini 50x50 pixels -->
        <span class="logo-mini"><b>IoT</b></span>
        <!-- logo for regular state and mobile devices -->
        <span class="logo-lg"><b>Smart</b>Trash</span>
</a>
        <!-- Header Navbar: style can be found in header.less -->
        <nav class="navbar navbar-static-top">
        <!-- Sidebar toggle button-->
        <a href="#" class="sidebar-toggle" data-toggle="push-menu"
role="button">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
</a>

        <div class="navbar-custom-menu">
        <ul class="nav navbar-nav">
        <!-- User Account: style can be found in dropdown.less -->
        <li class="dropdown user user-menu">

```

```

    <a href="#" class="dropdown-toggle" data-
toggle="dropdown">
      <span class="hidden-xs">Alexander Pierce</span>
      &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<i class="fa fa-gears"></i>
    </a>
    <ul class="dropdown-menu col-md-1">
      <!-- Menu Footer-->
      <li class="user-footer">
        <div class="pull-right">
          <a href="#" class="btn btn-default btn-flat">Sign
out</a>
        </div>
      </li>
    </ul>
  </li>
  <!-- Control Sidebar Toggle Button -->
  <li>
    <a href="#" data-toggle="control-sidebar"></a>
  </li>
</ul>
</div>
</nav>
</header>

<!--Side Bar-->
<aside class="main-sidebar">
  <!-- sidebar: style can be found in sidebar.less -->
  <section class="sidebar">
    <!-- sidebar menu: : style can be found in sidebar.less -->
    <ul class="sidebar-menu" data-widget="tree">
      <li class="header">MAIN NAVIGATION</li>
      <li>
        <a href="dashboard.html">
          <i class="fa fa-dashboard"></i> <span>Dashboard</span>
        </a>
      </li>
      <li>
        <a href="device.html">
          <i class="fa fa-cogs"></i> <span>Devices</span>
        </a>
      </li>
      <li class="active">
        <a href="user.html">
          <i class="fa fa-user"></i> <span>User</span>
        </a>
      </li>
    </ul>
  </section>
</aside>

```



```

        </ul>
    </section>
    <!-- /.sidebar -->
</aside>

<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <section class="content-header">
        <h1 style="color: rgb(0 134 139);">
            Form User
        </h1>
        <ol class="breadcrumb">
            <li><a href="#"><i class="fa fa-dashboard"></i>
Users</a></li>
            <li class="active">Add User</li>
        </ol>
    </section>

    <!-- Main content -->
    <section class="content">
        <!-- /.row -->
        <div class="row">
            <!-- left column -->
            <div class="col-md-12">
                <!-- general form elements -->
                <div class="box box-primary" style="min-height: 300px;">
                    <div class="box-header with-border">
                        <i class="fa fa-plus-square-o"></i>&nbsp;&nbsp;&nbsp;<h3
class="box-title" style="color: rgb(0 134 139);">Add Data User</h3>
                    </div>
                    <!-- /.box-header -->
                    <!-- /.box-Form -->
                    <form action="addUser.php" method="post" class="form-
horizontal">
                        <div class="box-body">
                            <div class="form-group">
                                <label for="inputUsername"
class="col-sm-2 control-label" style="color: rgb(0 134
139);">Username</label>
                                <div class="col-sm-8">
                                    <input type="text"
name='username' class="form-control " id="inputUsername"
placeholder="Username">
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </section>

```

```

<div class="form-group">
  <label for="inputNama"
class="col-sm-2 control-label" style="color: rgb(0 134
139);">Nama</label>
  <div class="col-sm-8">
    <input type="text"
name='nama' class="form-control " id="inputNama"
placeholder="Nama">
  </div>
</div>
<div class="form-group">
  <label for="inputTanggal"
class="col-sm-2 control-label" style="color: rgb(0 134 139);">Tanggal
Lahir</label>
  <div class="col-sm-8">
    <input type="text"
name='tanggal_lahir' class="form-control " id="inputTanggal"
placeholder="Tanggal Lahir">
  </div>
</div>
<div class="form-group">
  <label for="inputEmail"
class="col-sm-2 control-label" style="color: rgb(0 134
139);">Email</label>
  <div class="col-sm-8">
    <input type="text"
name='email' class="form-control " id="inputEmail"
placeholder="Email@example.com">
  </div>
</div>
<div class="form-group">
  <label for="inputJabatan"
class="col-sm-2 control-label" style="color: rgb(0 134
139);">Jabatan</label>
  <div class="col-sm-8">
    <select
id="inputJabatan" name='jabatan' class="form-control">
      <option
selected>Staff</option>
      <option>Supervisor</option>
      <option>Manager</option>
    </select>
  </div>
</div>

```

```

<div class="form-group">
  <label for="inputPassword"
class="col-sm-2 control-label" style="color: rgb(0 134
139);">Password</label>
  <div class="col-sm-8">
    <input type="password"
name='password' class="form-control " id="inputPassword"
placeholder="Password">
  </div>
</div>
<div class="form-group">
  <label for="inputRetype"
class="col-sm-2 control-label" style="color: rgb(0 134 139);">Retype
Password</label>
  <div class="col-sm-8">
    <input type="password"
name='retype' class="form-control " id="inputRetype"
placeholder="Retype Password">
  </div>
</div>
<br/>
<div align="box-footer">
  <input type="submit"
value="Submit" class="btn btn-primary" />
</div>
</div>
</form>
</div>
<!-- /.box -->
</div>
<!--/.col (left) -->
</div>
<!-- /.row -->
</section>
<!-- /.content -->
</div>

<!-- /.content-wrapper -->
<footer class="main-footer">
  <div class="pull-right hidden-xs">
    <b>Version</b> 2.4.0
  </div>
  <strong>Copyright &copy; 2014-2016 <a
href="https://adminlte.io">Almsaeed Studio</a>.</strong> All rights
reserved.
</footer>

```



```

$_POST['jabatan'],

$_POST['password']
    )){

        header("Location: addUser.html");
    }else{
        $response['error'] = true;
        $response['message'] = 'Insert Data Failed,
Check Again';
    }

    }else{
        $response['error'] = true;
        $response['message'] = 'Data not completed';
    }
}
}else{
    $response['error'] = true;
    $response['message'] = 'Invalid Request Please Check
Again';
}
}

```

ModelUser.php

```

<?php

/**
 *
 */
class ModelUser
{
    private $con;

    function __construct()
    {
        require_once
dirname(__FILE__).'/conf/DbConnection.php';

        $db = new DbConnection();

        $this->con = $db->connect();
    }

    public function
insertData($username,$nama,$tanggal,$email,$jabatan,$password){
        $tanggal=date($tanggal);
    }
}

```

```

        $stmt = $this->con->prepare("insert into
users(user_id, username, nama,
tanggal_lahir,email,jabatan,password) values (NULL,?,?,?,?,?);");
        $stmt->
bind_param("ssssss",$username,$nama,$tanggal,$email,$jabatan,$p
assword);

        if($stmt->execute()){
            return true;
        }else{
            return false;
        }
    }

    public function viewAllData(){
        $stmt = $this->con->prepare("select * from
users");
        $stmt->execute();
        return $stmt->get_result();
    }

}

```

Device.html

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>AdminLTE 2 | General Form Elements</title>
    <!-- Tell the browser to be responsive to screen width -->
    <meta content="width=device-width, initial-scale=1, maximum-
scale=1, user-scalable=no" name="viewport">
    <!-- Bootstrap 3.3.7 -->
    <link rel="stylesheet"
href="lib/bower_components/bootstrap/dist/css/bootstrap.min.css">
    <!-- Font Awesome -->
    <link rel="stylesheet" href="lib/bower_components/font-
awesome/css/font-awesome.min.css">
    <!-- Ionicons -->
    <link rel="stylesheet"
href="lib/bower_components/Ionicons/css/ionicons.min.css">
    <!-- Theme style -->
    <link rel="stylesheet" href="lib/dist/css/AdminLTE.min.css">
    <!-- AdminLTE Skins. Choose a skin from the css/skins

```

```

        folder instead of downloading all of them to reduce the load. -->
<link rel="stylesheet" href="lib/dist/css/skins/_all-skins.min.css">

<!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and
media queries -->
<!-- WARNING: Respond.js doesn't work if you view the page via
file:// -->
<!--[if lt IE 9]>
<script
src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></sc
ript>
<script
src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script
>
<![endif]-->

<!-- Google Font -->
<link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300
,400,600,700,300italic,400italic,600italic">

<script type="text/javascript"></script>
</head>
<body class="hold-transition skin-blue sidebar-mini">
<?php include "ModelDevice.php"; ?>
<div class="wrapper">
<!--header-->
<header class="main-header">
<!-- Logo -->
<a href=" ../index2.html" class="logo">
<!-- mini logo for sidebar mini 50x50 pixels -->
<span class="logo-mini"><b>IoT</b></span>
<!-- logo for regular state and mobile devices -->
<span class="logo-lg"><b>Smart</b>Trash</span>
</a>
<!-- Header Navbar: style can be found in header.less -->
<nav class="navbar navbar-static-top">
<!-- Sidebar toggle button-->
<a href="#" class="sidebar-toggle" data-toggle="push-menu"
role="button">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</a>

```

```

<div class="navbar-custom-menu">
  <ul class="nav navbar-nav">
    <!-- User Account: style can be found in dropdown.less -->
    <li class="dropdown user user-menu">
      <a href="#" class="dropdown-toggle" data-
toggle="dropdown">
        <span class="hidden-xs">Alexander Pierce</span>
        &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<i class="fa fa-gears"></i>
      </a>
      <ul class="dropdown-menu col-md-1">
        <!-- Menu Footer-->
        <li class="user-footer">
          <div class="pull-right">
            <a href="#" class="btn btn-default btn-flat">Sign
out</a>
          </div>
        </li>
      </ul>
    </li>
    <!-- Control Sidebar Toggle Button -->
    <li>
      <a href="#" data-toggle="control-sidebar"></a>
    </li>
  </ul>
</div>
</nav>
</header>

<!--Side Bar-->
<aside class="main-sidebar">
  <!-- sidebar: style can be found in sidebar.less -->
  <section class="sidebar">
    <!-- sidebar menu: : style can be found in sidebar.less -->
    <ul class="sidebar-menu" data-widget="tree">
      <li class="header">MAIN NAVIGATION</li>
      <li>
        <a href="dashboard.html">
          <i class="fa fa-dashboard"></i> <span>Dashboard</span>
        </a>
      </li>
      <li class="active">
        <a href="device.html">
          <i class="fa fa-cogs"></i> <span>Devices</span>
        </a>
      </li>
      <li>

```


[illegible]

```

        <th>Posisi</th>
        <th>Longitude</th>
        <th>Latitude</th>
        <th>Edit</th>
        <th>Delete</th>
    </tr>
    <?php
        $db = new ModelDevice();

        $limit = 5;

        if (isset($_GET["page"] ))
        {
            $page = $_GET["page"];
        }
        else
        {
            $page=1;
        };

        $record_index= ($page-1) * $limit;

        $data = $db->viewAllData($record_index,$limit);

        if($record_index == 0){
            $no=1;
        }else{
            $no=$record_index + 1;
        }
        while ($result = $data->fetch_assoc()) {

            $deviceId = $result['device_id'];
            $normal = $result['stnormal'];
            $full = $result['stfull'];

            ?>
            <tr>
                <td><?php echo $no; ?></td>
                <td><?php echo $kontroler = $result['kontroler'];

?></td>

                <td><?php echo $sensor = $result['sensor']; ?></td>
                <td><?php echo $topic = $result['topic']; ?></td>
                <td><?php echo $minimum = $result['minimum'];

?></td>

```

```

        <td><?php echo $maximum = $result['maximum'];
?></td>
        <td><?php echo $tanggal_aktif =
$result['tanggal_aktif']; ?></td>
        <td><?php echo $posisi = $result['posisi']; ?></td>
        <td><?php echo $longitude = $result['longitude'];
?></td>
        <td><?php echo $latitude = $result['latitude']; ?></td>
        <td align="center"><a class="fa fa-wrench btn btn-info"
href="updateDevice.html?deviceId=<?php echo $deviceId;
?>&kontroler=<?php echo $kontroler; ?>&sensor=<?php echo
$sensor; ?>&topic=<?php echo $topic; ?>&minimum=<?php echo
$minimum; ?>&maximum=<?php echo $maximum;
?>&tanggal_aktif=<?php echo $tanggal_aktif; ?>&posisi=<?php echo
$posisi; ?>&longitude=<?php echo $longitude; ?>&latitude=<?php
echo $latitude; ?>&normal=<?php echo $normal; ?>&full=<?php echo
$full; ?>"></a></td>
        <td align="center"><a class="fa fa-trash btn btn-
danger" ></a></td>
    </tr>
    <?php $no++; } ?>
</table>
</div>
<div class="box-footer clearfix">
    <ul class="pagination pagination-sm no-margin pull-right">
        <?php

        $total = $db->countRow();
        $totalData = $total->num_rows;

        $total_pages = ceil($totalData / $limit);

        if($page <= 1){
            $prevPage = 1;
        }else{
            $prevPage = $page - 1;
        }
        ?>
        <li><a href="device.html?page=<?php echo $prevPage;
?>">&laquo;</a></li>
        <?php
        for ($i=1; $i<=$total_pages; $i++) {
            ?>

            <li><a href="device.html?page=<?php echo $i;
?>"><?php echo $i; ?></a></li>

```

```

        <?php
            };

            if($page >= $total_pages){
                $nextPage = $total_pages;
            }else{
                $nextPage = $page+1;
            }
        ?>
        <li><a href="device.html?page=<?php echo $nextPage;
?>">&raquo;</a></li>
    </ul>
</div>
</div>
<!-- /.box -->
</div>
<!--/.col (left) -->
</div>
<!-- /.row -->

</section>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->
<footer class="main-footer">
    <div class="pull-right hidden-xs">
        <b>Version</b> 2.4.0
    </div>
    <strong>Copyright &copy; 2014-2016 <a
href="https://adminlte.io">Almsaeed Studio</a>.</strong> All rights
reserved.
</footer>

</div>

<!-- jQuery 3 -->
<script
src="lib/bower_components/jquery/dist/jquery.min.js"></script>
<!-- Bootstrap 3.3.7 -->

```

```

    <script
src="lib/bower_components/bootstrap/dist/js/bootstrap.min.js"></scri
pt>
    <!-- FastClick -->
    <script
src="lib/bower_components/fastclick/lib/fastclick.js"></script>
    <!-- AdminLTE App -->
    <script src="lib/dist/js/adminlte.min.js"></script>
    <!-- AdminLTE for demo purposes -->
    <script src="lib/dist/js/demo.js"></script>
</body>
</html>

```

addDevice.html

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>AdminLTE 2 | General Form Elements</title>
    <!-- Tell the browser to be responsive to screen width -->
    <meta content="width=device-width, initial-scale=1, maximum-
scale=1, user-scalable=no" name="viewport">

    <!-- <script src="lib/jquery-3.3.1.js"
type="text/javascript"></script> -->
    <!-- <script src="lib/jquery-ui-1.12.1.custom/jquery-ui.min.js"
type="text/javascript"></script> -->

    <script
src="lib/bower_components/jquery/dist/jquery.min.js"></script>
    <!-- Bootstrap 3.3.7 -->
    <script
src="lib/bower_components/bootstrap/dist/js/bootstrap.min.js"></scri
pt>
    <!-- Bootstrap 3.3.7 -->
    <link rel="stylesheet"
href="lib/bower_components/bootstrap/dist/css/bootstrap.min.css">
    <!-- Font Awesome -->
    <link rel="stylesheet" href="lib/bower_components/font-
awesome/css/font-awesome.min.css">
    <!-- Ionicons -->
    <link rel="stylesheet"
href="lib/bower_components/Ionicons/css/ionicons.min.css">
    <!-- Theme style -->
    <link rel="stylesheet" href="lib/dist/css/AdminLTE.min.css">

```

```

<!-- AdminLTE Skins. Choose a skin from the css/skins
      folder instead of downloading all of them to reduce the load. -->
<link rel="stylesheet" href="lib/dist/css/skins/_all-skins.min.css">

<!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and
media queries -->
<!-- WARNING: Respond.js doesn't work if you view the page via
file:// -->
<!--[if lt IE 9]>
<script
src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></sc
ript>
<script
src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script
>
<![endif]-->

<!-- Google Font -->
<link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300
,400,600,700,300italic,400italic,600italic">
<script type="text/javascript">
function validateForm(_this){
    var formId = _this.id;
    var formValue = _this.value;
    //    inputLatitude
    if(formId == "inputKontroler" && formValue == ""){
        document.getElementById("errKontroler").innerHTML = "*Kode
Kontroler Tidak Boleh Kosong";
    }else{
        document.getElementById("errKontroler").innerHTML = "";
    }

    if(formId == "inputSensor" && formValue == ""){
        document.getElementById("errSensor").innerHTML = "*Nama
Sensor Tidak Boleh Kosong";
    }else{
        document.getElementById("errSensor").innerHTML = "";
    }

    if(formId == "inputTopic" && formValue == ""){
        document.getElementById("errTopic").innerHTML = "*Nama
Topic Tidak Boleh Kosong";
    }else{
        document.getElementById("errTopic").innerHTML = "";
    }
}

```

```

        if(formId == "inputMinimum" && formValue == ""){
            document.getElementById("errMinimum").innerHTML =
"*Minimum Threshold Tidak Boleh Kosong";
        }else{
            document.getElementById("errMinimum").innerHTML = "";
        }

        if(formId == "inputMaximum" && formValue == ""){
            document.getElementById("errMaksimum").innerHTML =
"*Maksimum Threshold Tidak Boleh Kosong";
        }else{
            document.getElementById("errMaksimum").innerHTML = "";
        }

        if(formId == "inputPosisi" && formValue == ""){
            document.getElementById("errPosisi").innerHTML = "*Posisi /
Lokasi Tidak Boleh Kosong";
        }else{
            document.getElementById("errPosisi").innerHTML = "";
        }

        if(formId == "inputNormal"){
            var normalValue =
Math.floor(document.getElementById("inputNormal").value);
            // var warningValue =
document.getElementById("inputWarning").value;
            var fullValue =
Math.floor(document.getElementById("inputFull").value);

            // var totalValue = Math.floor(normalValue) +
Math.floor(warningValue) + Math.floor(fullValue) ;

            // console.log(totalValue);
            if(normalValue == "" || normalValue >= fullValue){
                document.getElementById("errLimit").innerHTML = "*Value
Normal Tidak Boleh Kosong atau melebihi 100%";
            }else{
                document.getElementById("errLimit").innerHTML = "";
            }
        }

        if(formId == "inputFull"){
            var normalValue =
document.getElementById("inputNormal").value;

```

```

        // var warningValue =
document.getElementById("inputWarning").value;
        var fullValue = document.getElementById("inputFull").value;

        // var totalValue = Math.floor(normalValue) +
Math.floor(warningValue) + Math.floor(fullValue) ;

        if(fullValue == "" || fullValue != 100){
            document.getElementById("errLimit").innerHTML = "*Value
Full Tidak Boleh Kosong/ Value full Bukan 100%";
        }else{
            document.getElementById("errLimit").innerHTML = "";
        }
    }

    if(formId == "inputSensor" && formValue == ""){
        document.getElementById("errSensor").innerHTML = "*Nama
Sensor Tidak Boleh Kosong";
    }

    console.log("ID "+formId+" Value "+formValue);
}

$(document).ready(function(){
    $("#inputTanggal").click(console.log("keambil wooyyyyyy"));
});

```

```

</script>

</head>
<body class="hold-transition skin-blue sidebar-mini">
<div class="wrapper">
    <!--header-->
    <header class="main-header">
        <!-- Logo -->
        <a href="../../index2.html" class="logo">
            <!-- mini logo for sidebar mini 50x50 pixels -->
            <span class="logo-mini"><b>IoT</b></span>
            <!-- logo for regular state and mobile devices -->
            <span class="logo-lg"><b>Smart</b>Trash</span>
        </a>
        <!-- Header Navbar: style can be found in header.less -->
        <nav class="navbar navbar-static-top">
            <!-- Sidebar toggle button-->
            <a href="#" class="sidebar-toggle" data-toggle="push-menu"
role="button">

```



```

        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
    </a>

    <div class="navbar-custom-menu">
        <ul class="nav navbar-nav">
            <!-- User Account: style can be found in dropdown.less -->
            <li class="dropdown user user-menu">
                <a href="#" class="dropdown-toggle" data-
toggle="dropdown">
                    <span class="hidden-xs">Alexander Pierce</span>
                    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<i class="fa fa-gears"></i>
                </a>
                <ul class="dropdown-menu col-md-1">
                    <!-- Menu Footer-->
                    <li class="user-footer">
                        <div class="pull-right">
                            <a href="#" class="btn btn-default btn-flat">Sign
out</a>
                        </div>
                    </li>
                </ul>
            </li>
            <!-- Control Sidebar Toggle Button -->
            <li>
                <a href="#" data-toggle="control-sidebar"></a>
            </li>
        </ul>
    </div>
</nav>
</header>

<!--Side Bar-->
<aside class="main-sidebar">
    <!-- sidebar: style can be found in sidebar.less -->
    <section class="sidebar">
        <!-- sidebar menu: : style can be found in sidebar.less -->
        <ul class="sidebar-menu" data-widget="tree">
            <li class="header">MAIN NAVIGATION</li>
            <li>
                <a href="dashboard.html">
                    <i class="fa fa-dashboard"></i> <span>Dashboard</span>
                </a>
            </li>

```



```

        $err = isset($_GET['error']);
        if( $error != "" || $err != ""){

?>
        <div class="col-sm-12">
            <div class="callout callout-danger">
                <h4>ERROR !!!</h4>

                <p><?php echo $_GET['error']; ?></p>
            </div>
        </div>
        <?php
        }

?>
        <!-- /.box-Form -->
        <form action="device.php" method="post" class="form-
horizontal">
            <div class="box-body">
                <div class="form-group">
                    <label for="inputkontroler" class="col-sm-2 control-
label" style="color: rgb(0 134 139);">Kontroler</label>
                    <div class="col-sm-6">
                        <input type="text" name='kontroler' class="form-
control " id="inputKontroler" placeholder="Kontroler"
onblur="validateForm(this);">
                    </div>
                    <div class="col-sm-4">
                        <label id="errKontroler" class="control-label"
style="color: Red; font-style: italic;"></label>
                    </div>
                </div>
                <div class="form-group">
                    <label for="inputSensor" class="col-sm-2 control-
label" style="color: rgb(0 134 139);">Nama Sensor</label>
                    <div class="col-sm-6">
                        <input type="text" name='sensor' class="form-
control " id="inputSensor" placeholder="Sensor"
onblur="validateForm(this);">
                    </div>
                    <div class="col-sm-4">
                        <label id="errSensor" class="control-label"
style="color: Red; font-style: italic;"></label>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <label for="inputTopic" class="col-sm-2 control-label"
style="color: rgb(0 134 139);">Topic</label>
        <div class="col-sm-6">
            <input type="text" name='topic' class="form-control
" id="inputTopic" placeholder="Topic" onblur="validateForm(this);">
        </div>
        <div class="col-sm-4">
            <label id="errTopic" class="control-label"
style="color: Red; font-style: italic;"></label>
        </div>
    </div>
    <div class="form-group">
        <label for="inputMinimum" class="col-sm-2 control-
label" style="color: rgb(0 134 139);">Minimum Threshold</label>
        <div class="col-sm-6">
            <input type="text" name='minimum' class="form-
control " id="inputMinimum" placeholder="Minimum Threshold"
onblur="validateForm(this);">
        </div>
        <div class="col-sm-4">
            <label id="errMinimum" class="control-label"
style="color: Red; font-style: italic;"></label>
        </div>
    </div>
    <div class="form-group">
        <label for="inputMaximum" class="col-sm-2 control-
label" style="color: rgb(0 134 139);">Maximum Threshold</label>
        <div class="col-sm-6">
            <input type="text" name='maximum' class="form-
control " id="inputMaximum" placeholder="Maximum Threshold"
onblur="validateForm(this);">
        </div>
        <div class="col-sm-4">
            <label id="errMaksimum" class="control-label"
style="color: Red; font-style: italic;"></label>
        </div>
    </div>
    <div class="form-group">
        <label for="inputTanggal" class="col-sm-2 control-
label" style="color: rgb(0 134 139);">Tanggal Aktif</label>
        <div class="col-sm-6">
            <input type="text" name='tanggal_aktif'
class="form-control " id="inputTanggal" placeholder="yyyy-mm-dd">
        </div>
        <div class="col-sm-4">

```

```

        <label id="errTanggal" class="control-label"
style="color: Red; font-style: italic;"></label>
    </div>
</div>
<div class="form-group">
    <label for="inputPosisi" class="col-sm-2 control-label"
style="color: rgb(0 134 139);">Posisi</label>
    <div class="col-sm-6">
        <input type="text" name='posisi' class="form-
control " id="inputPosisi" placeholder="Posisi"
onblur="validateForm(this);">
    </div>
    <div class="col-sm-4">
        <label id="errPosisi" class="control-label"
style="color: Red; font-style: italic;"></label>
    </div>
</div>
<div class="form-group">
    <label for="inputLongitude" class="col-sm-2 control-
label" style="color: rgb(0 134 139);">Longitude / Latitude</label>
    <div class="col-sm-3">
        <input type="text" name='longitude' class="form-
control " id="inputLongitude" placeholder="Longitude"
onblur="validateForm(this);">
    </div>
    <div class="col-sm-3">
        <input type="text" name='latitude' class="form-
control " id="inputLatitude" placeholder="Latitude"
onblur="validateForm(this);">
    </div>
    <div class="col-sm-4">
        <label id="errLongLat" class="control-label"
style="color: Red; font-style: italic;"></label>
    </div>
</div>
<div class="form-group">
    <label for="inputLongitude" class="col-sm-2 control-
label" style="color: rgb(0 134 139);">Limit Status (%)</label>
    <div class="col-sm-3">
        <input type="text" name='normal' class="form-
control " id="inputNormal" placeholder="Input Limit Normal Between 0
- 99" onblur="validateForm(this);">
    </div>
    <!-- <div class="col-sm-2">

```

```

        <input type="text" name='warning' class="form-
control " id="inputWarning" placeholder="Input Between 0 - 100"
onblur="validateForm(this);">
    </div> -->
    <div class="col-sm-3">
        <input type="text" name='full' class="form-control "
id="inputFull" placeholder="Input Limit Maksimum value 100"
value="100" onblur="validateForm(this);">
    </div>
    <div class="col-sm-4">
        <label id="errLimit" class="control-label"
style="color: Red; font-style: italic; font-size: 12px"></label>
    </div>
</div>
<div class="box-footer">
    <input type="submit" value="Save" class="btn btn-
primary" />
</div>
</form>
</div>

</div>
<!-- /.box -->
</div>
<!--/.col (left) -->
</div>
<!-- /.row -->
</section>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->
<footer class="main-footer">
    <div class="pull-right hidden-xs">
        <b>Version</b> 2.4.0
    </div>
    <strong>Copyright &copy; 2014-2016 <a
href="https://adminlte.io">Almsaeed Studio</a>.</strong> All rights
reserved.
</footer>

</div>

<script src="lib/plugins/input-mask/jquery.inputmask.js"></script>

```

```

    <script src="lib/plugins/input-
mask/jquery.inputmask.date.extensions.js"></script>
    <script src="lib/plugins/input-
mask/jquery.inputmask.extensions.js"></script>
    <!-- jQuery 3 -->
    <script
src="lib/bower_components/jquery/dist/jquery.min.js"></script>
    <!-- Bootstrap 3.3.7 -->
    <script
src="lib/bower_components/bootstrap/dist/js/bootstrap.min.js"></scri
pt>
    <!-- FastClick -->
    <script
src="lib/bower_components/fastclick/lib/fastclick.js"></script>
    <!-- AdminLTE App -->
    <script src="lib/dist/js/adminlte.min.js"></script>
    <!-- AdminLTE for demo purposes -->
    <script src="lib/dist/js/demo.js"></script>

    <script type="text/javascript">
        $(document).ready(function(){
            //Datemask dd/mm/yyyy
            $('#datemask').inputmask('dd/mm/yyyy', { 'placeholder':
'dd/mm/yyyy' });
            //Datemask2 mm/dd/yyyy
            $('#datemask2').inputmask('mm/dd/yyyy', { 'placeholder':
'mm/dd/yyyy' });
            //Money Euro
            $('[data-mask]').inputmask();
        });
    </script>
</body>
</html>

```

Device.php

```
<?php
```

```
require_once 'ModelDevice.php';
```

```
    $response = array();
```

```
    if($_SERVER['REQUEST_METHOD'] == 'POST'){
```

```
        if(
```

```
            isset($_POST['kontroler']) and
            isset($_POST['sensor']) and
```

```

isset($_POST['topic']) and
isset($_POST['minimum']) and
isset($_POST['maximum']) and
isset($_POST['tanggal_aktif'])and
isset($_POST['posisi']) and
isset($_POST['longitude']) and
isset($_POST['latitude']) and
isset($_POST['normal']) and
isset($_POST['full'])
){

    if(
        $_POST['kontroler'] == "" ||
        $_POST['sensor'] == "" ||
        $_POST['topic'] == "" ||
        $_POST['minimum'] == "" ||
        $_POST['maximum'] == "" ||
        $_POST['tanggal_aktif'] == "" ||
        $_POST['posisi'] == "" ||
        $_POST['longitude'] == "" ||
        $_POST['latitude'] == "" ||
        $_POST['normal'] == "" ||
        $_POST['full'] == ""
    ){
        $response['error'] = "Mohon periksa kembali
dalam pengisian form, masih terdapat field yang kosong. Field tidak
boleh kosong";
        header("Location:
addDevice.html?error=".$_response['error']);
    }else{
        $db = new ModelDevice();

        if($db->insertData(

            $_POST['kontroler'],

            $_POST['sensor'],

            $_POST['topic'],

            $_POST['minimum'],

            $_POST['maximum'],

            $_POST['tanggal_aktif'],

```



```

$_POST['posisi'],

$_POST['longitude'],

$_POST['latitude'],

$_POST['normal'],

$_POST['full']
    )){

        header("Location: device.html");
    }else{
        $response['error'] = true;
        $response['message'] = 'Insert Data
Failed, Check Again';
    }
}
}else{
    $response['error'] = true;
    $response['message'] = 'Data not completed';
}
}else{
    $response['error'] = true;
    $response['message'] = 'Invalid Request Please Check
Again';
}

```