A Project Report on

"E-सहाय"

**Submitted in partial fulfillment of the requirement for
Degree in Bachelor of Engineering (InformationTechnology)**

By

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CERTIFICATE

This is to certify that the project entitled

"E-सहाय"

Submitted By

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In partial fulfillment of degree of **B.E**. in **Information Technology** for term work of the project is approved.

External Examiner   **Internal Examiner**

_____   _____

External Guide   **Internal Guide**

_____   _____

Head of the Department   **Principal**

_____   _____

Date: - 30/11/2020   **College Seal**

Declaration

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

ART CCL JSM
- -
(Signature)

AMAY RAVI TRIPATHI (5019160)
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Date: 30/11/2020

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1. <u>INTRODUCTION</u>

1.1 <u>ABSTARCT</u>

In today's World, progressive countries like Denmark, Sweden, Switzerland, New Zealand, Norway, etc. have achieved more than 96% of Digitalization in the Governing system [1]. This makes governing a lot easier and people too, feel they are involved in the system. A major part of this is grievance reporting. This all is possible because they have a small area and less density of population as compared to our country. So, the problem can be solved by first implementing such digitalization in smaller areas to check whether it is effective or not. So we have decided to make a local authority grievance website. This project discusses a solution to report and record problems like potholes, broken streetlights, signals. Signboards, etc. with the local authorities. In the current generation that is being dominated by a mobile computing platform, namely smartphones, crowdsourcing can be achieved in a relatively hassle-free yet effective means of collecting data from large source pool [2], i.e. people in a locality. We are going to collect the location, image and the type of problem in order to register a complaint. Also, we are going to implement a login system so as to ensure the authenticity of the report registered.

1.2 **MOTIVATION**

Our Project was motivated by the influential program 'DIGITAL INDIA' launched by Hon. Prime Minister Shree Narendra Modi [3]. We too, have a dream where all the work related to Governance should be converted to an online system as it would save a lot of resources, be easier for both, the authorities and the citizens and also will be Environment Friendly. Bringing digitization in our Governance will usher in a new era of Transparency, and will also be beneficial to our citizens. As a Digitized Governance is a sign of a Progressive Country, this would put India on the Global Map along with likes of Countries like Germany, Sweden, Denmark, Singapore, Australia, New Zealand, Japan, etc. who are known for their digital Governance and satisfaction of their citizens

1.3 <u>PROBLEM STATEMENT</u>

The existing system has many flaws and most of the people using it are not contended. They face difficulties like standing in queues, provision of physical documents, limited working hours of the administrative office, improper redressal, etc.

1.4 <u>SCOPE</u>

We have decided to make an online reporting system for the people of a locality. This will include reporting the type of grievances with the help of images efficiently instead of a file system. We aim to make this process easy and efficient for the people. This will also ensure that people will actively respond to this instead of blaming the local authorities for keeping a tedious process.

1.5 <u>LIMITATIONS</u>

Since we are allowed to use only Java Web Application as a base for our project, we cannot convert this project into a Mobile Application. This project only runs on a local Machine having a Good Internet Connection, an effective Web Browser and also requires the Database (localhost) active on the Machine. We are planning to introduce real time location and pictures but this requires an extensive amount of complex coding which will be taught to us in Higher Classes.

2. LITERATURE SURVEY

2.1 ANALYSIS

The Literature Survey is used to develop a model that overcomes the limitations of the existing system and also which helps to study more about the existing system. Growth in Population has led to growth in technology. According to a survey conducted by Harvard University in 2016, in the United Kingdom (U.K.), the United States (U.S.) and Australia, many citizens are already conducting more than half of their interactions with the Government digitally. Meanwhile, seven in 10 citizens from Metropolitan areas of France, Germany, India, Canada, and Singapore want to increase their digital interactions with the Government, as do 76 percent of citizens surveyed in the Scandinavian Countries. We all know that grievance reporting is one of the major components of having a communication with the Government. There are many systems that are available for submitting grievances online. Those systems are studied and new things are found and added to the public grievance redressal system.

2.2 RESEARCH

We have referred some IEEE published paper and some GitHub Projects regarding this problem statement. In [5], the main focus is on developing an online complaint registration system in order to replace the offline one present in many countries like India, Philippines, Saudi Arabia, Malaysia, Indonesia, etc. i.e., countries having a higher population and a predominant offline complain system already present in most of the places. According to [6], [7] the fact that such an online system will more efficient, user- friendly, economical and also be beneficial for both, the citizens(clients) and the authorities(Admin) is confirmed. Such a system will efficiently store proper data and can also categorize the problems submitted by the users so as to forward those to the concerned departments. Further development in these applications can also provide a real-time reddressal to the citizens who have registered a complaint.

2.3 <u>SURVEY</u>

We have also conducted an online survey to get to know the people's opinion, which was answered by 108 people.

Some statistics from this are as follows: -

1. 69.4% People think that the authorities do not provide a proper complaint system While 25.6% people are satisfied with the services provided by the authorities for the same

Question 3 — Yes / No
Do you think that there is a proper complaint system provided by the local authorities for reporting grievances?

Yes		26.5%
No		69.4%
No answer		4.1%
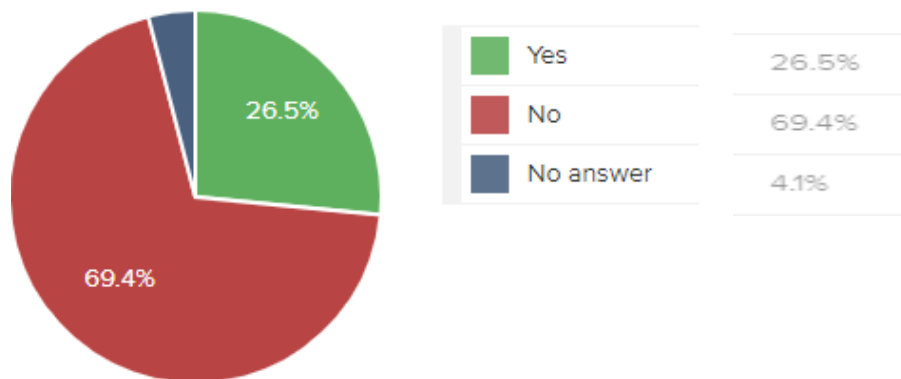
Figure 1.1

2. 73.5% people are not aware of any existing complaint system while 11% are familiar with the same

Question 4 — Yes / No
Are you aware of any such reporting system existing in your locality?

Yes		22.4%
No		73.5%
No answer		4.1%

22.4%

73.5%
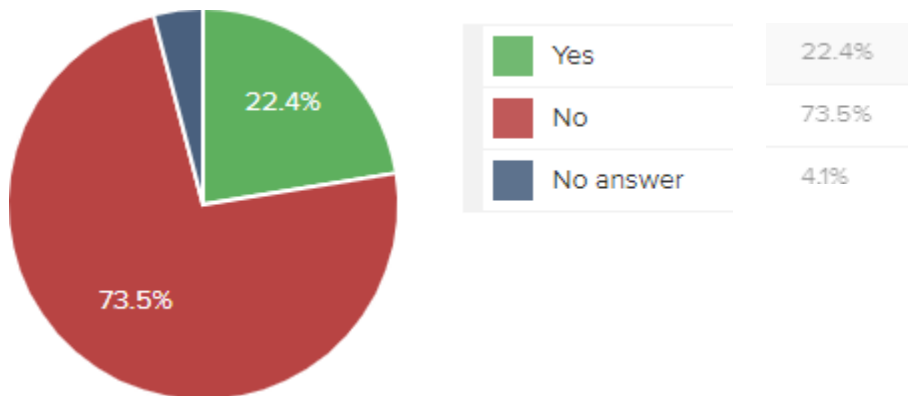
Figure 1.2

3. 79.6% people think an online complaint system will be more efficient than an offline one whereas 16.3% percent think that the existing offline procedure is more productive

Question 5 — Yes / No
Do you think an Online System will be more efficient than a physical (offline) one for the same?

Yes		79.6%
No		16.3%
No answer		4.1%

16.3%

79.6%
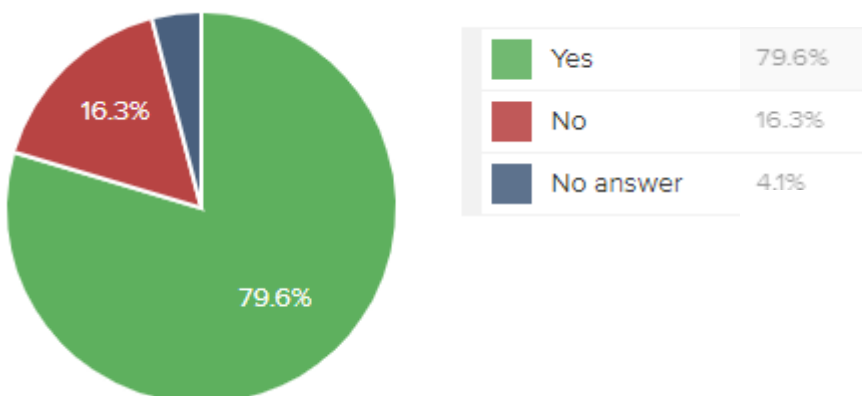
Figure 1.3

4. 63.3% Percent people agree that they do not actively report complaints to the local authorities as compared to the 32.7% people who are vigilant and report such complaints

Question 6 — Yes / No
Do you actively report grievances occurring in you locality to the concerned authorities?

Yes	32.7%
No	63.3%
No answer	4.1%

32.7%
63.3%
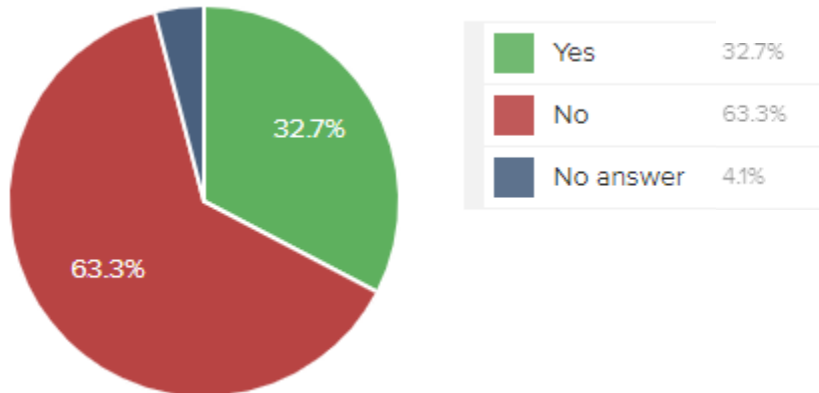
Figure 1.4

2.4 **STATISTICS ABOUT E-GOVERNANCE**

Where e-government is most developed

Countries with the highest score on the UN E-Government Development Index in 2018

			Score
1	Denmark	🇩🇰	0.9150
2	Australia	🇦🇺	0.9053
3	South Korea	🇰🇷	0.9010
4	United Kingdom	🇬🇧	0.8999
5	Sweden	🇸🇪	0.8882
6	Finland	🇫🇮	0.8815
7	Singapore	🇸🇬	0.8812
8	New Zealand	🇳🇿	0.8806
9	France	🇫🇷	0.8790
10	Japan	🇯🇵	0.8783

Index scores are based on survey results for the following categories: the scope and quality of online services, the status of the development of telecommunication infrastructure and inherent human capital in each country.

2.5 <u>EXISTING SYSTEM</u>

The current system is dealing with a manual basis. People have to go directly to the concerned department or write letters to give their complaints. It needs a huge amount of paperwork to maintain complaint details. A huge expenditure and lots of time are spent using the existing system. Tracking, maintaining and retrieving of data from a stack of papers is a difficult process.

2.6 <u>REQUIREMENTS ANALYSYIS</u>

Many people think that a transparency in Governance is the most important thing in a Democracy. This application is viable method of initiating such a transparent governance in a locality. People can easily register their complaints instead of physically doing the same thing. The citizens will too, have a sense of vigilance about raising their voice about a problem and actively participate in the Governance.

3. <u>SYSTEM DESIGN</u>

3.1 <u>BLOCK DIAGRAM A</u>
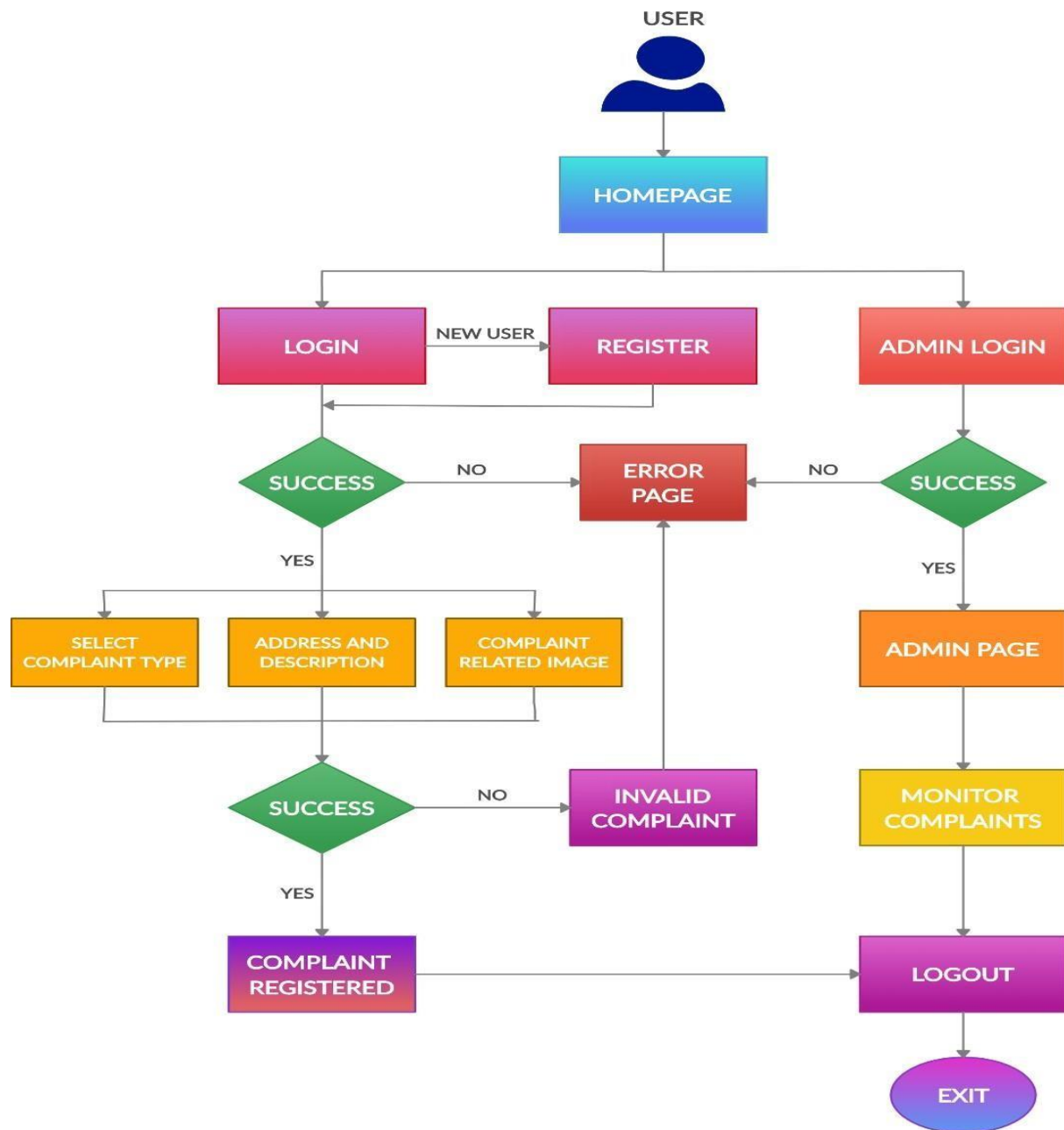
Figure 2.1

3.2 <u>BLOCK DIAGRAM B</u>
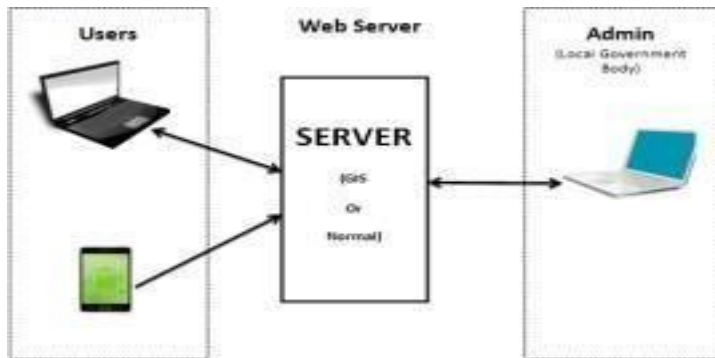
Figure 2.2

4. <u>IMPLEMENTION DETAILS</u>

4.1 <u>SYSTEM (HARDWARE / SOFTWARE) REQUIREMENTS</u>

A) <u>DEVELOPER: -</u>

For this project, the required applications, devices and operating systems are as given: -

1) <u>APPLICATIONS</u> –

JAVA ECLIPSE IDE, JAVA JDK 14
MYSQL WORKBENCH, GOOGLE
CHROME

2) <u>OPERATING SYSTEM</u> –
WINDOWS 7/8/10 or MAC OS or
LINUX

B) <u>CLIENT: -</u>

1) A good Internet Connection

2) A Mobile Phone/Camera to take the pictures) Authentic credentials of the user (to verify with Database)

3) Any Computer Machine can be used as long as it fulfils the above mentioned requirements

4.2 <u>SOLUTION APPROACH AND METHODOLOGY</u>

Considering all the above factors in mind, the proposed system is an online web application. This system is supposed to control and avoid the limitation of the existing system. The goal of the proposed system is to increase efficiency by speeding up the process and bringing down the workload. It also overcomes the huge expense that occurs in the existing system. The major activities of this grievance system are to receive various types of grievances from citizens, provide speedy processing of grievances received, updating the status of complaints, informing the citizens about the action taken and generating a report. This web application successfully performs actions like login, registration and orderly storage of data entered by the user. This application will indeed help to save resources like human labour, paper work and time required by both, the client and the user to work efficiently.

"E-सहाय, I CHANGE MY CITY"

5. <u>EXPERIMENTAL RESULTS</u>

5.1 <u>GUI</u>

5.1.1 <u>HOME PAGE</u>
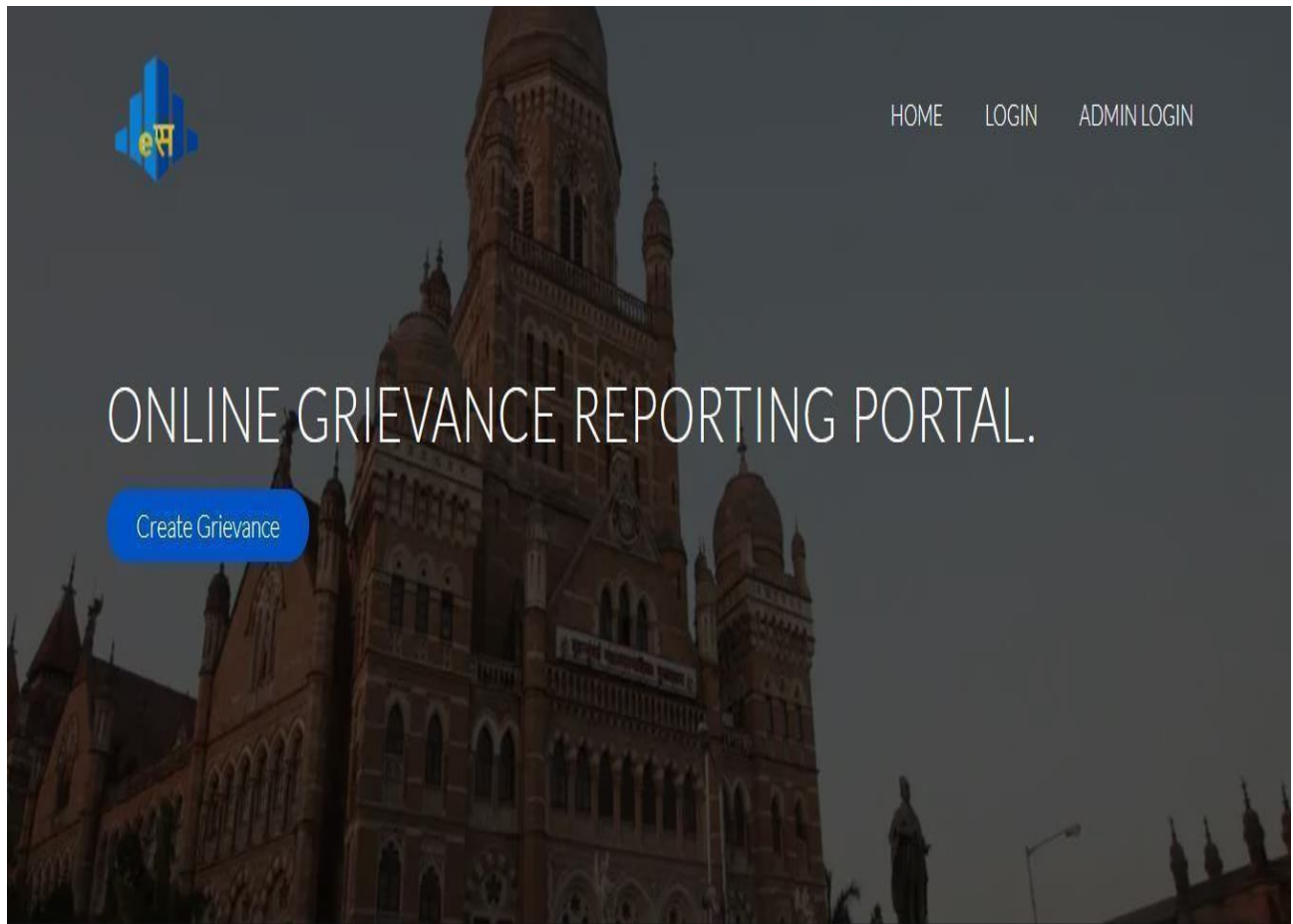
E-SAHAY — HOW IT WORKS!

Reporting Grievances in your area has never been so easy! No need for formal letters and long wait times. Now be an active citizen with minmal effort, using these four steps given below!

STEP 1:

Click on **Create grievance** on the home page.

STEP 2:

Login. If you do not have an account you can create one using the **register now** link

STEP 3:

Fill the given form and upload suitable images. **Make sure that the images are clear and recognisable**

STEP 4:

Click on **submit** and be proud of yourself for being an active citizen!

About us   Press   iOS App   Android app

5.1.2 Login

5.1.3 Registration

5.1.4 **Welcome Page for Registered Users**
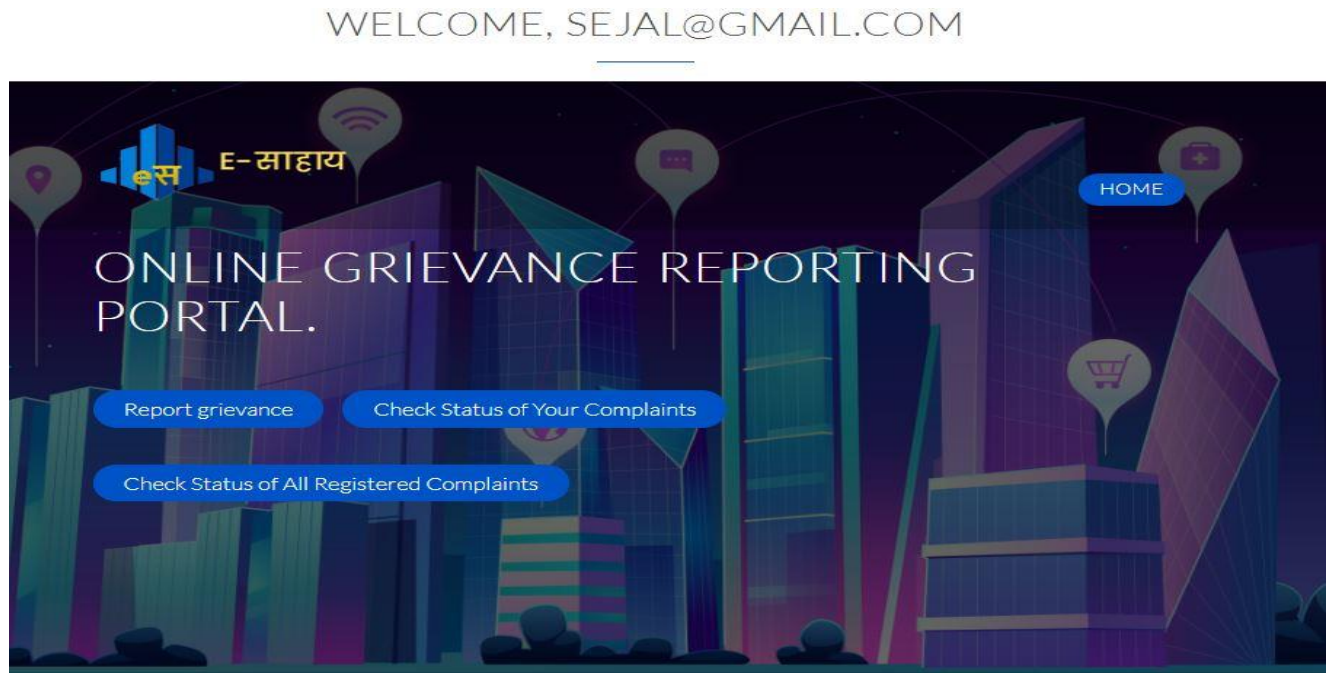
5.1.5 **Complaint Form**

5.1.6 Image Uplaod Prompt
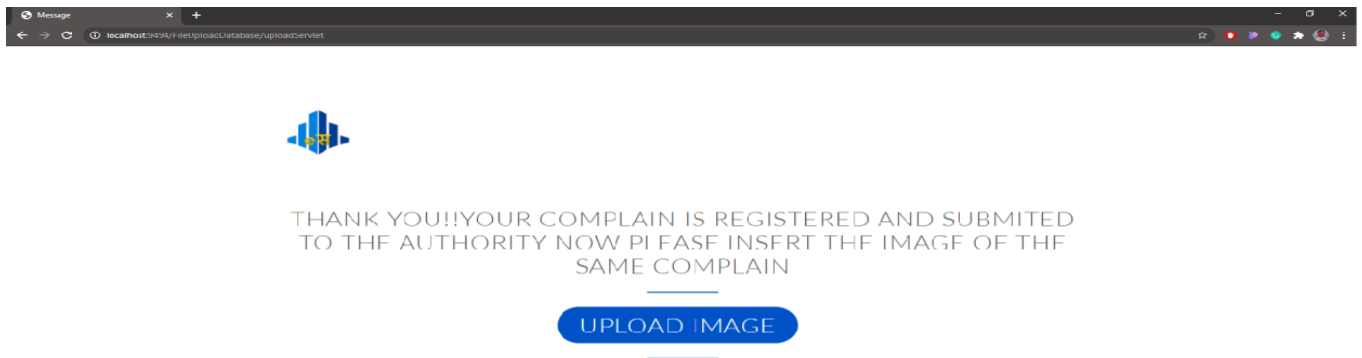
5.1.7 Upload Image
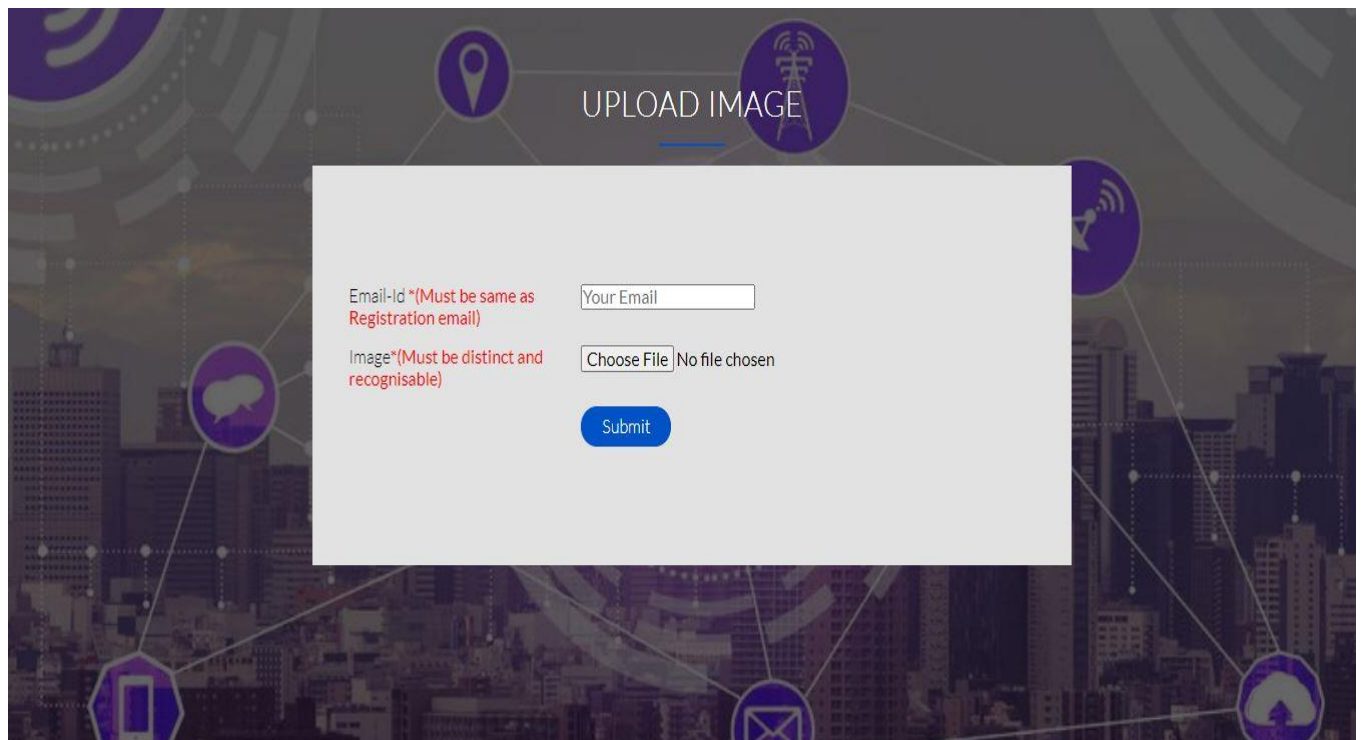
5.1.8 Image Successfully Uploaded Prompt

5.1.9 Admin Login
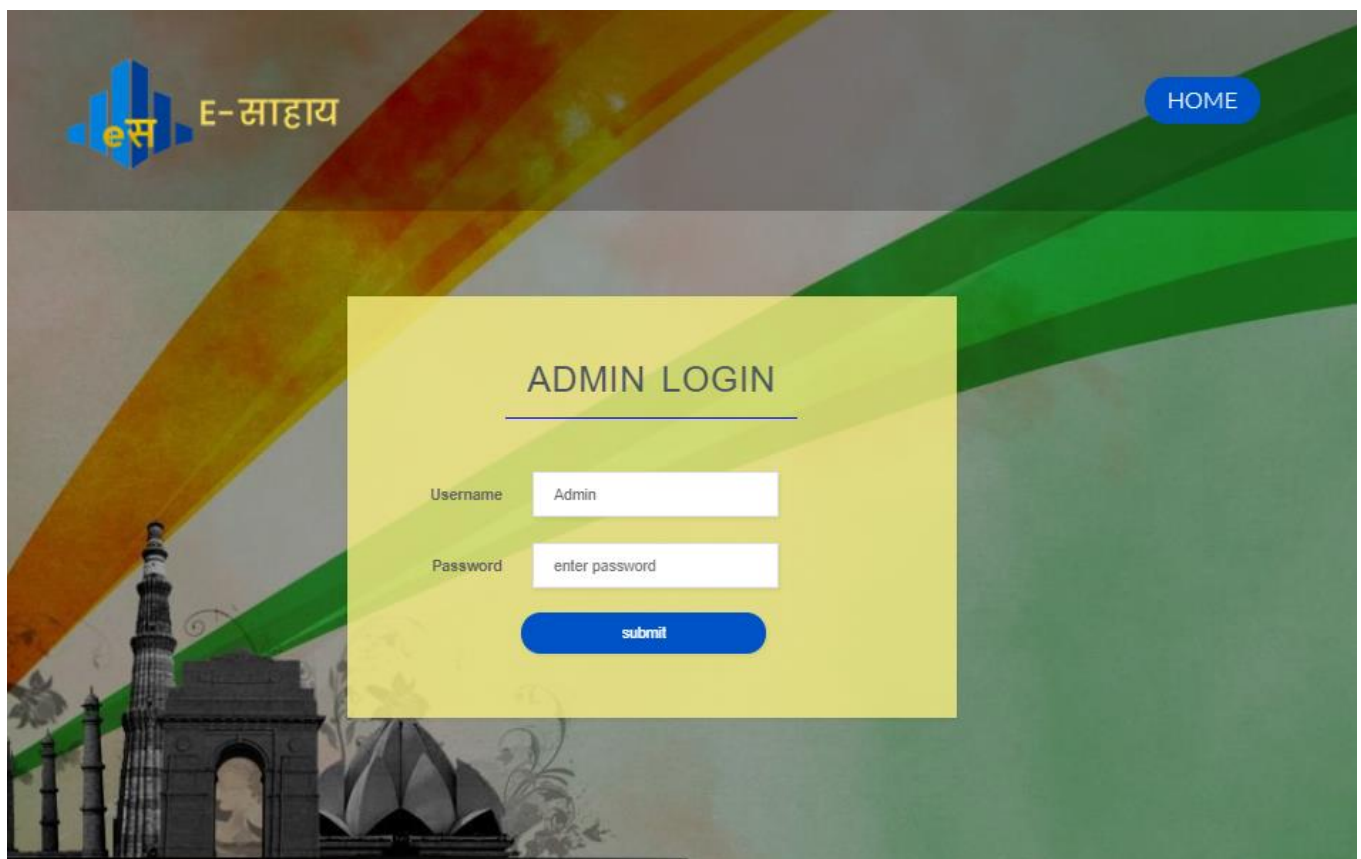
5.1.10 Admin View

PERSONAL DETAILS

NAME	Sejal
SURNAME	Mhatre
EMAIL	sejal@gmail.com
AADHAR NUMBER	9999
MOBILE NUMBER	999999999

COMPLAINT DETAILS

COMPLAINT	Water Logging on SP Road
LOCATION	SP Road, Sector 99
COMPLAINT TYPE	Water Log
STATUS	Resolved
DATE AND TIME	2020-12-09 11:39:00

Submit

5.1.11 Complaint Status - Admin

CHECK AND UPDATE STATUS

id	Email	Complain	Mobile	Complain Type	Location	Complain Status	Date	update
11	sejal@gmail.com	Water Logging on SP Road	999999999	Water Log	SP Road, Sector 99	Resolved	2020-12-09 11:39:00	update
12	h@gmail.com	Street lights do not work	989899889	Broken street light	AB Road, Sector-97	In Process	2020-12-09 11:50:00	update
13	draco@gmail.com	Signals not working	979797979	Signal not working	DM Circle,	Resolved	2020-12-09 00:08:00	update
14	saloni@gmail.com	Pedestrians facing trouble	979897997	broken footpath	Near Rotoract Mall	pending	2020-12-09 12:10:00	update
15	merlin@gmail.com	Parking in no parking zone	979897989	Improper Parking	Sky Gardens	pending	2020-12-09 12:16:00	update
16	sc@gmail.com	no segregation of waste	998798979	Garbage Dumped	Times Square	pending	2020-12-10 12:18:00	update
17	tesla@gmail.com	People not following queue	99779897	Other	Gurugram Metro	pending	2020-12-10 13:18:00	update
18	saloni@gmail.com	hi	9898999	Water Log	hi	pending	2020-12-09 23:49:00	update
19	sejal@gmail.com	Water Logging on SP Road	9898989	Water Log	SP Road, Sector 99	pending	2020-12-16 14:25:00	update

5.1.12 Complaint Status - User

SEARCH DATA

ID	Email	Complaint	Complain Type	Location	Status	Date
11	sejal@gmail.com	Water Logging on SP Road	Water Log	SP Road, Sector 99	Resolved	2020-12-09 11:39:00
19	sejal@gmail.com	Water Logging on SP Road	Water Log	SP Road, Sector 99	pending	2020-12-16 14:25:00

CHECK STATUS

ID	Complaint	Complain Type	Location	Status	Date
11	Water Logging on SP Road	Water Log	SP Road, Sector 99	Resolved	2020-12-09 11:39:00
12	Street lights do not work	Broken street light	AB Road, Sector-97	In Process	2020-12-09 11:50:00
13	Signals not working	Signal not working	DM Circle,	Resolved	2020-12-09 00:08:00
14	Pedestrians facing trouble	broken footpath	Near Rotoract Mall	pending	2020-12-09 12:10:00
15	Parking in no parking zone	Improper Parking	Sky Gardens	pending	2020-12-09 12:16:00
16	no segregation of waste	Garbage Dumped	Times Square	pending	2020-12-10 12:18:00
17	People not following queue	Other	Gurugram Metro	pending	2020-12-10 13:18:00
18	hi	Water Log	hi	pending	2020-12-09 23:49:00
19	Water Logging on SP Road	Water Log	SP Road, Sector 99	pending	2020-12-16 14:25:00

6. <u>CONCLUSION AND FUTURE SCOPE</u>

The implementation of a complaint system in a city has a potential to make a city operations more responsive and efficient, that will assist citizens with better utilization of services provided by the Municipal Corporation within a particular area but such gains are entirely dependent on citizen participation. The direct communication between the municipal corporation and the citizen to help in registered problems that citizen facing in urban areas and by continuously track them will result in a clean, peaceful and good environment.

This system is supposed to control and avoid the limitation of the existing system. In future, additional features like real-time location, biometric authentications, a Chabot, multilingual interface and instant token can be too, implemented. Also, an Android Application can be made based on this model enabling the user to directly access this instead of opening the web browser every time for completing the process.

7. <u>REFERENCES</u>

7.1 <u>REFERENCE PAPERS</u>

[1] Kalsi, Nirmaljeet Singh, and Ravi Kiran. "A strategic framework for good governance through e-governance optimization." *Program* (2015).

[2] Kormpho, Pattamaporn, et al. "Smart complaint management system." *2018 Seventh ICT International Student Project Conference (ICT-ISPC)*. IEEE, 2018.

[3] Kedar, Maheshkumar Shankar. "Digital India new way of innovating India digitally." *International Research Journal of Multidisciplinary Studies* 1.4 (2015): 34-49.

[4] Tan, Si Ying, and Araz Taeihagh. "Smart City Governance in Developing Countries: A Systematic Literature Review." *Sustainability* 12.3 (2020): 899.

[5] Trappey, Amy JC, et al. "A framework of customer complaint handling system." *2010 7th International Conference on Service Systems and Service Management*. IEEE, 2010.

[6] Tabassum, Kahkashan, et al. "E-Cops: An Online Crime Reporting and Management System for Riyadh City." *2018 1st International Conference on Computer Applications & Information Security (ICCAIS)*. IEEE, 2018.

[7] Kandhari, Vishesh K., and Keertika D. Mohinani. "GPS based complaint redressal system." *2014 IEEE Global Humanitarian Technology Conference-South Asia Satellite (GHTC-SAS)*. IEEE, 2014.

7.2 **PROJECT REFRENCES**

https://github.com/rishabhsingh971/Complaint-System
https://github.com/chattarajoy/sih-Centralized-Grievance-Readdressal-System
https://github.com/rishabhsingh971/Complaint-System

8. <u>APPENDIX A</u>

<u>CODES</u>

8.1 <u>JAVA FILES</u>

<u>FileuploadDBServlet.java</u>

```java
package net.code.java.upload;

import java.io.IOException;
import java.io.InputStream;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import javax.servlet.ServletException;
import javax.servlet.annotation.MultipartConfig;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.Part;

@WebServlet("/uploadServlet")
@MultipartConfig(maxFileSize = 16177215)     // upload file's size up to 16MB
public class FileUploadDBServlet extends HttpServlet {

    /**
     *
     */
    private static final long serialVersionUID = 1L;
    // database connection settings
    private String dbURL ="jdbc:mysql://localhost:3306/jproject";
    private String dbUser = "root";
    private String dbPass ="toor";

    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException, IOException {
```

```java
// gets values of text fields
String complain = request.getParameter("complain");
String mobile = request.getParameter("mobile");
String complainT = request.getParameter("complainT");
String location = request.getParameter("location");
String aadharno = request.getParameter("aadharno");
String email = request.getParameter("email");
String date = request.getParameter("date");
InputStream inputStream = null; // input stream of the upload file

// obtains the upload file part in this multipart request


Connection conn = null; // connection to the database
String message = null; // message will be sent back to client

try {
    // connects to the database
    DriverManager.registerDriver(new com.mysql.jdbc.Driver());
    conn = DriverManager.getConnection(dbURL, dbUser, dbPass);

    // constructs SQL statement
        String sql = "INSERT INTO contacts(complain , mobile , complainT,
    location ,aadharno , email, date)" + "values(?,?,?,?,?,?,?)";
    PreparedStatement statement = conn.prepareStatement(sql);
    statement.setString(1, complain);
     statement.setString(2, mobile);
     statement.setString(3, complainT);
     statement.setString(4, location);
     statement.setString(5, aadharno);
     statement.setString(6, email);
     statement.setString(7, date);



    // sends the statement to the database server
    int row = statement.executeUpdate();
    if (row > 0) {
        message = "THANK YOU!!YOUR COMPLAIN IS REGISTERED AND
SUBMITED TO THE AUTHORITY NOW PLEASE INSERT THE IMAGE OF THE SAME
COMPLAIN";
    }
} catch (SQLException ex) {
    message = "ERROR: " + ex.getMessage();
    ex.printStackTrace();
} finally {
    if (conn != null) {
        // closes the database connection
        try {
```

```
                conn.close();
            } catch (SQLException ex) {
                ex.printStackTrace();
            }
        }
        // sets the message in request scope
        request.setAttribute("Message", message);

        // forwards to the message page
        getServletContext().getRequestDispatcher("/Message.jsp").forward(request,
response);
        getServletContext().getRequestDispatcher("/index1.jsp").forward(request,
response);
        }
        }
    }
```

DB.java

```
package p1;

import java.sql.Connection;
import java.sql.DriverManager;

public class DB {

    static String URL = "localhost:3306/";
    static String DATABASE_NAME = "jproject";
    static String USERNAME = "root";
    static String PASSWORD = "toor";//i have no password.

    public static Connection getConnection() {
        Connection con = null;
        try {
            Class.forName("com.mysql.jdbc.Driver");
            con = DriverManager.getConnection("jdbc:mysql://" + URL + DATABASE_NAME,
USERNAME, PASSWORD);
        } catch (Exception e) {
            System.out.println(e);
            e.printStackTrace();
        }
```

return con;}}
UploadImage.java

package p1;

import java.sql.Connection;
import java.sql.DriverManager;

public class DB {

    static String URL = "localhost:3306/";
    static String DATABASE_NAME = "jproject";
    static String USERNAME = "root";
    static String PASSWORD = "toor";//i have no password.

    public static Connection getConnection() {
        Connection con = null;
        try {
            Class.forName("com.mysql.jdbc.Driver");
            con = DriverManager.getConnection("jdbc:mysql://" + URL + DATABASE_NAME, USERNAME, PASSWORD);
        } catch (Exception e) {
            System.out.println(e);
            e.printStackTrace();
        }
        return con;
    }
}

8.2 JSP FILES

ADMIN.jsp


```
<!DOCTYPE HTML>

<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>
<HTML>
<HEAD>
```

```html
        <TITLE>Final Details</TITLE>
        <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
    <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
    <link rel="stylesheet" type="text/css" href="resources/css/style.css">
    <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
</HEAD>
<BODY>
 <section class="loginn">
        <nav>
            <div class="row">
             <a href="index.html" ><img src="resources/img/logo1.png" alt="e-sahay logo"
class="logo"></a>
                <ul class="main-nav">
                  <li><a href="Home.jsp"><h2>Logout</h2></a></li>


                </ul>
            </div>
        </nav>
    </section>

<h2>COMPLETE DETAILS</h2>
    <% int current = 0;
     // declare a connection by using Connection interface
    Connection connection = null;/* Create string of connection url within specified format
with machine
    name, port number and database name. Here machine name id localhost
    and database name is student. */
        String connectionURL = "jdbc:mysql://localhost:3306/jproject";
            /*declare a resultSet that works as a table resulted by execute a specified
    sql query. */
    ResultSet rs = null;
%>
<FORM NAME="form1" ACTION="Admin.jsp" METHOD="GET"><%
if (request.getParameter("hidden") != null) {
    current = Integer.parseInt(request.getParameter("hidden"));
}

// Declare statement.
    Statement statement = null;
    try {
        // Load JDBC driver "com.mysql.jdbc.Driver".
    Class.forName("com.mysql.jdbc.Driver").newInstance();
            /* Create a connection by using getConnection() method that takes
        parameters of string type connection url, user name and password to
```

```
            connect to database. */
       connection = DriverManager.getConnection(connectionURL, "root", "toor");
             /* createStatement() is used for create statement object that is
        used for sending sql statements to the specified database. */
       statement = connection.createStatement();
            // executeQuery() method execute specified sql query.
       rs = statement.executeQuery("select * from contacts, login where "+
                    "login.email = contacts.email");
                        for (int i = 0; i < current; i++) {
         rs.next();
         }
           if (!rs.next()) {
%>
<h2>
<%
     out.println("Sorry ! found some problems with database.");
    } else {
%></h2>
<section class="final-table">
<div class="row">
<TABLE WIDTH="100%">

   <TR><TH width="50%">EMAIL</TH><TD width="50%"> <%= rs.getString("email")%>
</TD></tr>
   <TR><TH            align="center"><font           color="#DF0102">PERSONAL
Details</font></TH><TD></TD></tr>
   <TR><TH>Name</TH><TD> <%= rs.getString("firstname")%> </TD></tr>
   <TR><TH>Surname</TH><TD> <%= rs.getString("lastname")%> </TD></tr>
   <TR><TH>Email</TH><TD> <%= rs.getString("email")%> </TD></tr>
       <TR><TH          align="center"><font          color="#DF0101">COMPLAIN
Details</font></TH><TD></TD></tr>
       <TR><TH>complain</TH><TD> <%= rs.getString("complain")%> </TD></tr>
       <TR><TH>mobile</TH><TD> <%= rs.getString("mobile")%> </TD></tr>
       <TR><TH>location</TH><TD> <%= rs.getString("location")%> </TD></tr>
       <TR><TH>aadharno</TH><TD> <%= rs.getString("aadharno")%> </TD></tr>
       <TR><TH>Complain    Type</TH><TD>    <%=    rs.getString("complainT")%>
</TD></tr>

</TABLE>


<BR>
<INPUT TYPE="hidden" NAME="hidden" VALUE="<%=current + 1 %>">
<INPUT TYPE="submit" VALUE="next record">
</div>
```

```jsp
</section>
</FORM>
<%
    }
}
catch (Exception ex) {

%>
<h2>
   <%

            out.println("Unable to connect to database.");
      } finally {
         // close all the connections.
         rs.close();
         statement.close();
         connection.close();
      }
   %>
</h2>


  <section class="image-table">
   <div class="row">
      <h2>Complaint Image</h2>

      <form action="Admin.jsp" method="post">
                  <div class="row">
                  <div class="center-row">
            <div class="col span-1-of-3">
               <label for="name">Email-Id</label>
            </div>
            <div class="col span-2-of-3">
               <input   type="email"   name="email"   id="email"   placeholder="Enter
Email" required>
            </div>
          </div>
            <div class="row">
            <div class="col span-1-of-3">
               <label> </label>
            </div>
            <div class="col span-2-of-3">
               <input type="submit" value="Submit">
               </div>
               </div>
          </div>
      </form>
```

```html
        <section class="disp-img">
        <div class="center-row">
    <%
    String email = request.getParameter("email");
    %>
    <img src="getImage.jsp?email=<%=email%>" align="center" width="500px"/>
    </div>
    </section>
    </div>
  </section>
</body>
</html>
```

Getimages.jsp

```jsp
<%@page import="p1.DB"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.Blob"%>
<%@page import="java.io.OutputStream"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%
    String email = request.getParameter("email");
    try {
        Connection con = DB.getConnection();
        PreparedStatement ps = con.prepareStatement("select * from data where email=?");
        ps.setString(1, email);
        ResultSet rs = ps.executeQuery();
        if (rs.next()) {
            Blob blob = rs.getBlob("image");
            byte byteArray[] = blob.getBytes(1, (int) blob.length());
            response.setContentType("image/gif");
            OutputStream os = response.getOutputStream();
            os.write(byteArray);
            os.flush();
            os.close();
        } else {
            System.out.println("No image found with this email id.");
        }
    } catch (Exception e) {
        out.println(e);
```

```
    }
%>
```

Error.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<html>
 <head>
 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
 <title>Error</title>

        <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
    <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
    <link rel="stylesheet" type="text/css" href="resources/css/style.css">
    <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
 </head>
<body>
<section class="loginn">
    <nav>
        <div class="row">
         <a href="index.html" ><img src="resources/img/logo1.png" alt="e-sahay logo"
class="logo"></a>
        <ul class="main-nav">


        </ul>
      </div>
    </nav>
  </section>

 <h2>Some Error has occured,Please try again later...</h2>

 </body>
  </html>
```

Home.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8" errorPage="Error.jsp"%>
<html>
   <head>
```

```html
      <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
      <title>Admin</title>
      <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
      <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
      <link rel="stylesheet" type="text/css" href="resources/css/style.css">
      <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
   </head>
   <body>
      <section class="loginn">
       <nav>
           <div class="row">
            <a href="index.html" ><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>
           </div>
       </nav>
     </section>
      <h2>
        <%
      String a=session.getAttribute("username").toString();
      out.println("Hello  "+a);
      %>
      </h2>

      <h2>
      <a class="btn btn-full" href="Logout.jsp">Logout</a>
      <a class="btn btn-full" href="Admin.jsp">Admin View</a>

    </h2>

   </body>
</html>
```

index.jsp

```jsp
<%@ page import="java.sql.*" %>

<%
if(session.getAttribute("login")!=null) //check login session user not access or back to
index.jsp page
```

```jsp
{
        response.sendRedirect("welcome.jsp");
}
%>

<%
try
{
        Class.forName("com.mysql.jdbc.Driver"); //load driver

        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jproject","root","toor");
//create connection

        if(request.getParameter("btn_login")!=null) //check login button click event not
null
        {
                String dbemail,dbpassword;

                String email,password;

                email=request.getParameter("txt_email"); //txt_email
                password=request.getParameter("txt_password"); //txt_password

                PreparedStatement pstmt=null; //create statement

                pstmt=con.prepareStatement("select * from login where email=? AND
password=?"); //sql select query
                pstmt.setString(1,email);
                pstmt.setString(2,password);

                ResultSet rs=pstmt.executeQuery(); //execute query and store in resultset
object rs.

                if(rs.next())
                {
                        dbemail=rs.getString("email");
                        dbpassword=rs.getString("password");

                        if(email.equals(dbemail) && password.equals(dbpassword))
                        {
                                session.setAttribute("login",dbemail); //session name is login
and store fetchable database email address
                                response.sendRedirect("welcome.jsp"); //after login success
redirect to welcome.jsp page
                        }
```

```jsp
			}
			else
			{
					request.setAttribute("errorMsg","invalid email or password");
//invalid error message for email or password wrong
			}

			con.close(); //close connection
		}

}
catch(Exception e)
{
	out.println(e);
}
%>

<!DOCTYPE html>
<html>

<head>

	<meta charset="utf-8">
	<meta http-equiv="X-UA-Compatible" content="IE=edge">
	<meta name="viewport" content="width=device-width, initial-scale=1">

	<title>Login</title>

	<link rel="stylesheet" href="css/login-register.css">
	<link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
	<link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
	<link rel="stylesheet" type="text/css" href="resources/css/style.css">
   <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">


	<script>

		function validate()
		{
				var email = document.myform.txt_email;
				var password = document.myform.txt_password;

				if (email.value == null || email.value == "") //check email textbox not
blank
```

```
                {
                        window.alert("please enter email ?"); //alert message
                        email.style.background = '#f08080';
                        email.focus();
                        return false;
                }
                if (password.value == null || password.value == "") //check
password textbox not blank
                {
                        window.alert("please enter password ?"); //alert message
                        password.style.background = '#f08080';
                        password.focus();
                        return false;
                }
            }

        </script>

</head>

<body>


    <section class="loginn">
        <nav>
            <div class="row">
             <a href="index.html" ><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>
            </div>
        </nav>
    </section>


    <div class="main-content">

        <form class="form-register" method="post" name="myform" onsubmit="return
validate();">

        <div class="form-register-with-email">

          <div class="form-white-background">

            <div class="form-title-row">
              <h1>Login</h1>
            </div>
```

```jsp
<p style="color:red">

<%
if(request.getAttribute("errorMsg")!=null)
{
        out.println(request.getAttribute("errorMsg"));
//error message for email or password
}
%>
</p>



    <div class="form-row">
       <label>
         <span>Email</span>
         <input type="text" name="txt_email" id="email" placeholder="enter
email">
       </label>
    </div>

    <div class="form-row">
       <label>
         <span>Password</span>
         <input type="password" name="txt_password" id="password"
placeholder="enter password">
       </label>
    </div>

                        <input type="submit" name="btn_login"
value="Login">

       </div>

                        <a href="register.jsp" class="form-log-in-with-existing">You
Don't have an account? <b> Register here </b></a>


     </div>

   </form>

  </div>
<script src="https://cdn.jsdelivr.net/npm/darkmode-js@1.5.7/lib/darkmode-
js.min.js"></script>
<script src="resources/js/script.js"></script>
```

```
</body>

</html>


index1.jsp

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
   <head>
     <title>UPLOAD IMAGE</title>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
      <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
     <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
     <link rel="stylesheet" type="text/css" href="resources/css/style.css">
     <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
   </head>
   <body>
   <div class="row">
     <h2>Upload </h2>
     <a href="view.jsp"></a>
     <section class="upload-img">
     <form action="uploadImage" method="post" enctype="multipart/form-data">

                  <div class="row">
                        <!--EMAIL-->
                  <div class="col span-1-of-3">
                     <label for="name">Email-Id <b><font color="red">*(Must be same as
Registration email)</b></font></label>
                     </div>
                     <div class="col span-2-of-3">
                        <input type="email" name="email" id="email" placeholder="Your
Email" required>
                     </div>
                  </div>
                  <!--IMAGE-->
                  <div class="row">
                     <div class="col span-1-of-3">
                        <label for="email">Image<b><font color="red">*(Must be distinct and
recognisable)</b></font></label>
```

```html
          </div>
          <div class="col span-2-of-3">
             <input type="file" name="image" id="image" placeholder="Enter
suitable photo" required>
          </div>
        </div>
        <!--  BUtton-->
         <div class="row">
           <div class="col span-1-of-3">
              <label> </label>
           </div>
           <div class="col span-2-of-3">
              <input type="submit" value="Submit">
           </div>
         </div>
         </form>
         </section>
     </div>
   </body>
</html>
```

login.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@page import="java.sql.*,java.util.*"%>
<%
String userid=request.getParameter("userid");
session.setAttribute("userid",userid);
String password=request.getParameter("password");
Class.forName("com.mysql.jdbc.Driver");
java.sql.Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/student","root","Manju@200
1");
Statement st= con.createStatement();
ResultSet rs=st.executeQuery("select * from users where userid='"+userid+"' and
password='"+password+"'");
try{
rs.next();
if(rs.getString("password").equals(password)&&rs.getString("userid").equals(userid))
{
out.println("Welcome " +userid);
}
else{
```

```
out.println("Invalid password or username.");
}
}


catch (Exception e) {
e.printStackTrace();
}
%>
<p> WELCOME OUR NEW USER </p>
<a href="Upload.jsp"> FOR UPLOADING Complain</a>
```

LoginAdmin.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<html>
 <head>
       <link rel="stylesheet" href="css/login-register.css">
       <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
       <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
       <link rel="stylesheet" type="text/css" href="resources/css/style.css">
    <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
   <title>ADMIN PAGE</title>
    </head>
     <body>

    <section class="loginn">
        <nav>
           <div class="row">
             <a href="index.html" ><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>
             </div>
          </nav>
       </section>

     <div class="main-content">

      <form class="form-register" action="LoginCheck.jsp" method="post"
name="myform" onsubmit="return validate();">
```

```html
<div class="form-register-with-email">

    <div class="form-white-background">

        <div class="form-title-row">
          <h1>Admin Login</h1>
        </div>

                                <p style="color:red">

                                <%
                                if(request.getAttribute("errorMsg")!=null)
                                {
                                        out.println(request.getAttribute("errorMsg"));
//error message for email or password
                                }
                                %>
                                </p>



        <div class="form-row">
          <label>
            <span>Username</span>
            <input       type="text"       name="username"       id="username"
placeholder="enter username">
          </label>
        </div>

        <div class="form-row">
          <label>
            <span>Password</span>
            <input       type="password"       name="password"       id="password"
placeholder="enter password">
          </label>
        </div>

                                <input       type="submit"       name="btn_login"
value="submit">

        </div>


    </div>
```

```
        </form>

      </div>
      <script            src="https://cdn.jsdelivr.net/npm/darkmode-js@1.5.7/lib/darkmode-
js.min.js"></script>
<script src="resources/js/script.js"></script>
        </body>
         </html>
```

AdminCheck.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<html>
 <head>
 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  <title>JSP Page</title>
  </head>
  <body>
   <% String username=request.getParameter("username"); String
password=request.getParameter("password");
   if((username.equals("Admin") && password.equals("Admin"))) {
session.setAttribute("username",username); response.sendRedirect("Home.jsp"); } else
response.sendRedirect("Error.jsp"); %>
   </body>
   </html>
```

Logout.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
 <html>
  <head>
       <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
     <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
     <link rel="stylesheet" type="text/css" href="resources/css/style.css">
     <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
   <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Logout</title>
    </head>
```

```html
    <body>


    <section class="loginn">
        <nav>
            <div class="row">
             <a href="index.html" ><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>
            </div>
        </nav>
    </section>


    <div class="row">
    <% session.removeAttribute("username"); session.removeAttribute("password");
session.invalidate(); %>
    <h2>Logout was done successfully.</h2>

    <h2><a class="btn btn-full" href="index.html">Back to home page</a></h2>
    </div>
     </body>
      </html>
```

Message.jsp

```html
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
   pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Message</title>
        <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
      <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
      <link rel="stylesheet" type="text/css" href="resources/css/style.css">
      <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
</head>
<body>

<section class="loginn">
        <nav>
```

```html
        <div class="row">
            <a href="index.html"><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>

        </div>
      </nav>

    </section>
  <div class="row">

    <h2><%=request.getAttribute("Message")%></h2>

    <h2><a class="btn btn-full" href="index1.jsp">UPLOAD IMAGE</a></h2>

  </div>
</body>
</html>
```

RegProcess.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@page import="java.sql.*,java.util.*"%>
<%
String fname=request.getParameter("fname");
String lname=request.getParameter("lname");
String email=request.getParameter("email");
String userid=request.getParameter("userid");
String password=request.getParameter("password");
try
{
Class.forName("com.mysql.jdbc.Driver");
Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/student",
"root", "Manju@2001");
Statement st=conn.createStatement();
int i=st.executeUpdate("insert into
users(fname,lname,email,userid,password)values('"+fname+"','"+lname+"','"+email+"','"+
userid+"','"+password+"')");
out.println("Thank you for register ! Please <a href='index.html'>Login</a> to
continue.");
}
catch(Exception e)
{
```

```
System.out.print(e);
e.printStackTrace();
}
%>
```

register.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@page import="java.sql.*,java.util.*"%>
<%
String fname=request.getParameter("fname");
String lname=request.getParameter("lname");
String email=request.getParameter("email");
String userid=request.getParameter("userid");
String password=request.getParameter("password");
try
{
Class.forName("com.mysql.jdbc.Driver");
Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/student",
"root", "Manju@2001");
Statement st=conn.createStatement();
int i=st.executeUpdate("insert into
users(fname,lname,email,userid,password)values('"+fname+"','"+lname+"','"+email+"','"+
userid+"','"+password+"')");
out.println("Thank you for register ! Please <a href='index.html'>Login</a> to
continue.");
}
catch(Exception e)
{
System.out.print(e);
e.printStackTrace();
}
%>
```

Upload.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
```

```html
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Grievance form</title>
            <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
     <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
     <link rel="stylesheet" type="text/css" href="resources/css/style.css">
     <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
</head>
<body>

<section class="loginn">
     <nav>
          <div class="row">
             <a href="index.html"><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>
             <ul class="main-nav">
             <li><a href="Logout.jsp"><h2>Logout</h2></a></li>

             </ul>
          </div>
       </nav>

     </section>

  <section class="section-form">
       <div class="row">
          <h2>Grievance form</h2>
       </div>
       <div class="row">
          <form method="post" action="uploadServlet" class="gre-form"
enctype="multipart/form-data">

             <!--COMPLAINT-->
             <div class="row">
               <div class="col span-1-of-3">
                  <label for="name">Complaint</label>
               </div>
               <div class="col span-2-of-3">
                   <input type="text" name="complain" id="complain" placeholder="Your
Complain" required>
                </div>
             </div>
```

```html
<!--MOBILE-->
  <div class="row">
   <div class="col span-1-of-3">
     <label for="email">Mobile</label>
   </div>
   <div class="col span-2-of-3">
     <input type="number" name="mobile" id="Mobile" placeholder="Your
Mobile Number" required>
   </div>
  </div>

  <!--COMPLAINT TYPE-->
   <div class="row">
    <div class="col span-1-of-3">
      <label for="find-us">Complaint Type</label>
    </div>
    <div class="col span-2-of-3">
      <select name="find-us" id="find-us">
        <option value="Pothole">Pothole</option>
        <option value="Water Log" selected>Water Log</option>
        <option value="Broken street light">Broken street light</option>
        <option value="Garbage Dumped">Garbage Dumped</option>
        <option value="Other">Other</option>
      </select>
    </div>
   </div>

   <!--LOCATION-->
    <div class="row">
     <div class="col span-1-of-3">
       <label for="name">Location</label>
     </div>
     <div class="col span-2-of-3">
       <input type="text" name="location" id="location" placeholder="Enter
the address of Grievance" required>
     </div>
    </div>

    <!--EMAILID-->
    <div class="row">
     <div class="col span-1-of-3">
       <label for="name">Email-Id</label>
     </div>
     <div class="col span-2-of-3">
       <input type="email" name="email" id="email" placeholder="Your
Email" required>
```

```html
            </div>
          </div>

<!--TIME-->
         <div class="row">
           <div class="col span-1-of-3">
             <label for="date">Time and Date</label>
           </div><br>
           <div class="col span-2-of-3">
             <input type="datetime-local" style="border:solid 1px" name="date" id="date"
placeholder="Date of Complaint" required>
           </div>
         </div><br>
           <!--AADHAR NO-->
           <div class="row">
            <div class="col span-1-of-3">
              <label for="email">Aadhar No.</label>
            </div>
            <div class="col span-2-of-3">
              <input type="number" name="aadharno" id="aadharno"
 placeholder="Your Aadhar Number" required>
            </div>
          </div>

            <!--
            <div class="row">
            <div class="col span-1-of-3">
              <label for="email">Photo</label>
            </div>
            <div class="col span-2-of-3">
              <input type="file" name="photo" id="photo" placeholder="Enter
 suitable photo" required>
            </div>
          </div> -->

          <!--Submit-->
          <div class="row">
            <div class="col span-1-of-3">
              <label> </label>
            </div>
            <div class="col span-2-of-3">
              <input type="submit" value="Save">
             </div>
          </div>


        </form>

      </div>
```

```html
    <script src="https://cdn.jsdelivr.net/npm/darkmode-js@1.5.7/lib/darkmode-js.min.js"></script>
<script src="resources/js/script.js"></script>
</body>
</html>
```

View.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
        <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
        <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
        <link rel="stylesheet" type="text/css" href="resources/css/style.css">
        <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
    </head>
    <body>
     <section class="loginn">
         <nav>
             <div class="row">
                 <a href="index.html" ><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>
                     <ul class="main-nav">
             <li><a href="Logout.jsp"><h2>Logout</h2></a></li>

             </ul>
         </div>
     </nav>
    </section>
     <h2>Image Uploaded Successfully...! THANKS FOR REGESTERING THE
COMPLAIN WITH IMAGE</h2>



   </body>
</html>
```

Viewimage.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>E-sAHAY</title>
        <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
        <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
        <link rel="stylesheet" type="text/css" href="resources/css/style.css">
        <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
    </head>
    <body>

<div class="row">
        <h2>Complaint Image</h2>
        <b>View Email </b>
          <form action="viewImage.jsp" method="post">
                        <div class="row">
                    <div class="col span-1-of-3">
                        <label for="name">Email-Id</label>
                    </div>
                    <div class="col span-2-of-3">
                        <input type="email" name="email" id="email" placeholder="Enter
    Email" required>
                    </div>
                </div>
                    <div class="row">
                    <div class="col span-1-of-3">
                        <label> </label>
                    </div>
                    <div class="col span-2-of-3">
                        <input type="submit" value="Submit">
                         </div>
                </div>
          </form>
          <section class="disp-img">
        <%
        String email = request.getParameter("email");
        %>
        <img src="getImage.jsp?email=<%=email%>" width="500px"/>
        </section>
        </div>
    </body>
</html>
```

Welcome.jsp

```jsp
<!DOCTYPE html>
<html>

<head>

        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1">

        <title>Welcome : <%=session.getAttribute("login")%></title>


        <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
        <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
        <link rel="stylesheet" type="text/css" href="resources/css/style.css">
    <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
</head>

<body>

<div class="row">
    <div class="main-content">



        <%
        if(session.getAttribute("login")==null || session.getAttribute("login")==" ") //check
condition unauthorize user not direct access welcome.jsp page
        {
                response.sendRedirect("index.jsp");
        }
        %>

        <h2> Welcome, <%=session.getAttribute("login")%> </h2>

        <%
```

```jsp
        if(session.getAttribute("login")==" " || session.getAttribute("login")==" ") //check
condition unauthorize user not direct access welcome.jsp page
        {
                response.sendRedirect("Upload.jsp");
        }
        %>


                </div>
  </div>
        <header>
        <nav>
            <div class="row">
                <a href="index.html"><img src="resources/img/logo1.png" alt="e-sahay
logo" class="logo"></a>
                <ul class="main-nav">
                <li><a href="Logout.jsp"><h2>Logout</h2></a></li>

                </ul>
            </div>
        </nav>
        <div class="hero-text-box">
            <h1>Online Grievance Reporting Portal.</h1>
            <a class="btn btn-full" href="Upload.jsp">Create Grievance</a>
        </div>
      </header>


</body>

</html>
```

8.3 HTML FILES

index.html


```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
    <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
    <link rel="stylesheet" type="text/css" href="resources/css/style.css">
```

```html
    <link
href="https://fonts.googleapis.com/css2?family=Lato:ital,wght@0,100;0,300;0,400;1,300
&display=swap" rel="stylesheet">
    <title>E-Sahay</title>
  </head>
  <body>
    <header>
      <nav>
        <div class="row">
          <img src="resources/img/logo1.png" alt="e-sahay logo" class="logo">
          <ul class="main-nav">
          <li><a href="index.html">Home</a></li>
          <li><a href="index.jsp">Login</a></li>
          <li><a href="LoginAdmin.jsp">Admin Login</a></li>
          </ul>
        </div>
      </nav>
      <div class="hero-text-box">
        <h1>Online Grievance Reporting Portal.</h1>
        <a class="btn btn-full" href="register.jsp">Create Grievance</a>
      </div>
    </header>

    <section class="section-features">
     <div class="row">
       <h2>E-Sahay &mdash; How it works!</h2>
       <p class="long-copy">
          Reporting Grievances in your area has never been so easy! No need for
formal letters and long wait times. Now be an active citizen with minmal effort, using these
four steps given below!
       </p>
     </div>

     <div class="row">
        <div class="col span-1-of-4 box">

          <h3>Step 1:</h3>
          <p>Click on <b>Create grievance</b> on the home page.
          </p>
        </div>

        <div class="col span-1-of-4 box">

          <h3>Step 2:</h3>
          <p><b>Login.</b> If you do not have an account you can create one using
the <b>register now</b> link
```

```html
        </p>
      </div>

      <div class="col span-1-of-4 box ">

        <h3>Step 3:</h3>
        <p>Fill the given form and upload suitable images. <b>Make sure that the
images are clear and recognisable</b>
        </p>
      </div>

      <div class="col span-1-of-4 box ">

        <h3>Step 4:</h3>
        <p>Click on <b>submit</b> and be proud of yourself for being an active
citizen!
        </p>
      </div>

    </div>
  </section>


  <section class="section-earth">
    <ul class="earth-showcase clearfix">
      <li>
        <figure class="earth-photo">
          <img src="resources/img/1.jpg" alt="solar-panels">
        </figure>
      </li>
      <li>
        <figure class="earth-photo">
          <img src="resources/img/2.jpg" alt="turbine farm">
        </figure>
      </li>
      <li>
        <figure class="earth-photo">
          <img src="resources/img/3.jpg" alt="hydroelectric dam">
        </figure>
      </li>
      <li>
        <figure class="earth-photo">
          <img src="resources/img/4.jpg" alt="The 3 Rs">
        </figure>
      </li>
    </ul>
```

```html
            <ul class="earth-showcase clearfix">
                <li>
                    <figure class="earth-photo">
                        <img src="resources/img/5i.jpg" alt="conserve water">
                    </figure>
                </li>
                <li>
                    <figure class="earth-photo">
                        <img src="resources/img/6.jpg" alt="save earth">
                    </figure>
                </li>
                <li>
                    <figure class="earth-photo">
                        <img src="resources/img/7.jpg" alt="say no to plastic">
                    </figure>
                </li>
                <li>
                    <figure class="earth-photo">
                        <img src="resources/img/8.jpg" alt="reduce global warming">
                    </figure>
                </li>
            </ul>
        </section>
         <footer>
            <div class="row">
                <div class="col span-1-of-2">
                    <ul class="footer-nav">
                        <li><a href="resources/data/JAVA_PPT.pdf" >About us</a></li>
                        <li><a href="https://www.bbc.com/news/science_and_environment"
>Press</a></li>
                        <li><a href="#" >iOS App</a></li>
                        <li><a href="#" >Android app</a></li>
                    </ul>

                </div>
                <div class="col span-1-of-2">
                    <ul class="social-links">
                        <li><a href="facebook.html"><ion-icon name="logo-facebook"
class="fb"></ion-icon></a></li>
                        <li><a href="https://twitter.com/_DigitalIndia"><ion-icon name="logo-
twitter" class="tweet"></ion-icon></a></li>
                        <li><a href="#"><ion-icon name="logo-google" class="google"></ion-
icon></a></li>
                        <li><a href="https://www.instagram.com/jigsaw.rtf/"><ion-icon
name="logo-instagram" class="ig"></ion-icon></a></li>
                    </ul>
```

```
        </div>
        <div class="row">
        <p>
            Copyright &copy; 2020 by <a href="Frends.html">Team 17</a>. All rights
reserved.
        </p></div>
      </div>


    </footer>
        <script src="https://unpkg.com/ionicons@5.2.3/dist/ionicons.js"></script>

  </body>

</html>
```

8.4 <u>CSS FILES</u>

<u>normalize.css</u>

```
html {
  line-height: 1.15; /* 1 */
  -webkit-text-size-adjust: 100%; /* 2 */
}


body {
  margin: 0;
}


main {
  display: block;
}



h1 {
  font-size: 2em;
  margin: 0.67em 0;
}
```

```css
.  Show the overflow in Edge and IE.
 */

hr {
  box-sizing: content-box; /* 1 */
  height: 0; /* 1 */
  overflow: visible; /* 2 */
}



pre {
  font-family: monospace, monospace; /* 1 */
  font-size: 1em; /* 2 */
}



a {
  background-color: transparent;
}



abbr[title] {
  border-bottom: none; /* 1 */
  text-decoration: underline; /* 2 */
  text-decoration: underline dotted; /* 2 */
}



b,
strong {
  font-weight: bolder;
}

code,
kbd,
samp {
  font-family: monospace, monospace; /* 1 */
  font-size: 1em; /* 2 */
}

small {
  font-size: 80%;
}

sub,
sup {
```

```css
  font-size: 75%;
  line-height: 0;
  position: relative;
  vertical-align: baseline;
}

sub {
  bottom: -0.25em;
}

sup {
  top: -0.5em;
}


img {
  border-style: none;
}


button,
input,
optgroup,
select,
textarea {
  font-family: inherit; /* 1 */
  font-size: 100%; /* 1 */
  line-height: 1.15; /* 1 */
  margin: 0; /* 2 */
}


button,
input { /* 1 */
  overflow: visible;
}


button,
select { /* 1 */
  text-transform: none;
}
```

```css
button,
[type="button"],
[type="reset"],
[type="submit"] {
  -webkit-appearance: button;
}


button::-moz-focus-inner,
[type="button"]::-moz-focus-inner,
[type="reset"]::-moz-focus-inner,
[type="submit"]::-moz-focus-inner {
border-style: none;
  padding: 0;
}


button:-moz-focusring,
[type="button"]:-moz-focusring,
[type="reset"]:-moz-focusring,
[type="submit"]:-moz-focusring {
outline: 1px dotted ButtonText;
}

/

fieldset {
  padding: 0.35em 0.75em 0.625em;
}


legend {
  box-sizing: border-box; /* 1 */
  color: inherit; /* 2 */
  display: table; /* 1 */
  max-width: 100%; /* 1 */
  padding: 0; /* 3 */
  white-space: normal; /* 1 */
}


progress {
  vertical-align: baseline;
}
```

```css
textarea {
  overflow: auto;
}


[type="checkbox"],
[type="radio"] {
  box-sizing: border-box; /* 1 */
  padding: 0; /* 2 */
}


[type="number"]::-webkit-inner-spin-button,
[type="number"]::-webkit-outer-spin-button {
height: auto;
}


[type="search"] {
  -webkit-appearance: textfield; /* 1 */
  outline-offset: -2px; /* 2 */
}


[type="search"]::-webkit-search-decoration {
  -webkit-appearance: none;
}


::-webkit-file-upload-button {
  -webkit-appearance: button; /* 1 */
  font: inherit; /* 2 */
}


details {
  display: block;
}


summary {
  display: list-item;
}
```

```css
template {
  display: none;
}



[hidden] {
  display: none;
}
```


style.css


```css
{
    margin:0;
    padding:0;
    box-sizing:border-box;
}

html {
    background-color: #fff;
    color: #555;
    font-family: 'Lato', 'Arial', sans-serif;
    font-weight:300;
    font-size: 20px;
    text-rendering: optimizeLegibility;
}

.clearfix {zoom:1}
.clearfix:after {
    content: '.';
    clear:both;
    display:block;
    height:0;
    visibility: hidden;
}


.row{
    max-width: 1140px;
    margin: 0 auto;
 }

section{
```

```css
    padding: 80px 0;
}

.box{
    padding: 1%;
}

/*------HEADINGS ------*/

h1,
h2,
h3{

    font-weight: 300;
    text-transform: uppercase;


    }

h1{
    margin-top: 0;
    margin-bottom: 20px;
    color: #fff;
    font-size: 240%;
    word-spacing: 4px;
    letter-spacing: 1px;
}

h2{
    font-size: 180%;
    word-spacing: 2px;
    text-align:center;
    margin-bottom: 25px;
    letter-spacing: 1px;
}

h3{
    font-size: 110%;
    margin-bottom: 15px;
}

h2:after{
    display: block;
    height: 2px;
    background-color:#0053c6;
    content: "";
    width:100px;
```

```css
    margin: 0 auto;
    margin-top: 25px;
}

/*------PARAGRAHPS ------*/
.long-copy{
    line-height: 145%;
    width: 70%;
    margin-left: 15%;
    margin-bottom: 60px;
}

.box p{
    font-size: 90%;
    line-height: 145%;
}
/*------ICONS------ */

.icon-big{
 font-size: 250%;
    display:block;
    color:#0053c6;
    margin-bottom:25px;
 }

.icon-small{
    display: inline-block;
    width: 30px;
    text-align: center;
    color: #0053c6;
    font-size: 150%;
    margin-right: 5ox;
    /*secrets to align text and icons*/

    line-height: 120%;
    vertical-align: middle;
    margin-top:-4px;
}


.btn:link,
.btn:visited,
input[type=submit]{
    display: inline-block;
    padding: 10px 30px;
    font-weight: 300;
```

```css
    text-decoration: none;
    border-radius: 200px;
    transition: background-color 0.2s, border 0.2s, color 0.2s;
    }

.btn-full:link,
.btn-full:visited,
input[type=submit]{
    background-color: #0053c6;
    border: 1px solid #0053c6;
    color: #fff;
    margin-right: 15px;
}

.btn-ghost:link,
.btn-ghost:visited {
    border: 1px solid #0053c6;
    color: #e67e22;
}

.btn:hover,
.btn:active,
input[type=submit]:hover,
input[type=submit]:active{
    background-color: #002960;
}

.btn-full:hover,
.btn-full:active {
    border: 1px solid #002960;
}

.btn-ghost:hover,
.btn-ghost:active {
    border: 1px solid #0b72ff;
    color: #fff;
}

.logo{
    height:100px;
    width: auto;
    float: left;
    margin-top: 20px;
}

.main-nav {
```

```css
        float:right;
        list-style: none;
        margin-top: 55px;
}

.main-nav li {
        display: inline-block;
        margin-left: 40px;
}

.main-nav li a:link,
.main-nav li a:visited{
        padding: 8px 0px;
        color:#fff;
        text-decoration: none;
        text-transform: uppercase;
        font-size: 90%;
        border-bottom: 2px solid transparent;
        transition: border-bottom 0.2s;

}
.main-nav li a:hover,
.main-nav li a:active{
        border-bottom: 2px solid #0053c6;
}


.loginn li {
        display: inline-block;
        margin-left: 40px;
}

.loginn li a:link,
.loginn li a:visited{
        padding: 8px 0px;
        color:#000;
        text-decoration: none;
        text-transform: uppercase;
        font-size: 90%;
        border-bottom: 2px solid transparent;
        transition: border-bottom 0.2s;

}
.loginn li a:hover,
.loginn li a:active{
        border-bottom: 2px solid #0053c6;
```

```css
}


header{
    background-image: linear-gradient(rgba(0, 0, 0, 0.7), rgba(0, 0, 0, 0.7)),
url(img/bg.jpeg);
    background-size: cover;
    background-position: center;
    height: 100vh;
    background-attachment: fixed;
}


.hero-text-box{
    position: absolute;
    width: 1140px;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
}

.section-earth{
    padding: 0;
}

.earth-showcase {
    list-style:  none;
    width: 100%;
}

.earth-showcase li {
    display:block;
    float:left;
    width:25%;
}

.earth-photo{
    width: 100%;
    margin: 0;
    overflow: hidden;
    background: black;
}

.earth-photo img{
    opacity: 0.7;
```

```css
    width:100%;
    height:auto;
    transform: scale(1.15);
    transition: transform 0.5s, opacity 0.5s;
}

.earth-photo img:hover {
    opacity: 1;
    transform: scale(1.03);

}


footer{
    background-color: #333;
    padding: 50px;
    font-size: 80%;
}

.footer-nav{
    list-style: none;
    float:left;

}

.social-links{
    list-style: none;
    float: right;

}

.footer-nav li,
.social-links li{

    display: inline-block;
    margin-right: 20px;
}

.footer-nav li:last-child,
.social-links li:last-child{
    margin-right:0;
}

.footer-nav li a:link,
.footer-nav li a:visited,
.social-links li a:link,
```

```css
.social-links li a:visited{
    text-decoration:none;
    border: 0;
    color:               #888;
    transition: color 0.2s;
}

.footer-nav li a:hover,
.footer-nav li a:active{
    color: #ddd;


}

.social-links li a:link,
.social-links li a:visited{
    font-size: 170%;
}

.fb,
.tweet,
.google,
.ig{
    transition: color 0.2s;
}

.fb:hover{
    color:#3b5998;
}

.tweet:hover{
    color:#00acee;
}

.google:hover{
    color:#dd4b39;
}

.ig:hover{
    color: #517fa4;
}

footer p{
    color: #888;
    text-align: center;
    font-size: 85%;
    margin-top: 30px;
```

```css
}

.icon-big{
 font-size: 250%;
   display:block;
   color:#e67e22;
   margin-bottom:25px;
}

.icon-small{
   display: inline-block;
   width: 30px;
   text-align: center;
   color: #e67e22;
   font-size: 150%;
   margin-right: 5ox;
   /*secrets to align text and icons*/

   line-height: 120%;
   vertical-align: middle;
   margin-top:-4px;
}

.gre-form{
   width: 60%;
   margin: 0 auto;
}

.gre-form input[type=text],
.gre-form input[type=email],
.gre-form select,
.gre-form textarea{
   width: 100%;
   padding: 7px;
   border-radius: 3px;
   border: 1px solid #f4f4f4;

}

textarea{
   height: 100px;
}

input[type=checkbox]{
   margin: 10px 5px 10px 0;
}
```

```css
*:focus{outline:none}


.final-table{
    margin: 15px 1px;
    background-color: #e2e2e2;
}

.disp-img:first-child{
    background-color: #000;
}

.msg a{

    text-decoration: none;
}

.upload-img{
    margin: 15px 1px;
    background-color: #e2e2e2;
}

label{
    text-align: right;
    margin: 0 auto;
}


.image-table{
    margin: 15px 1px;
    background-color: #e2e2e2;
}

.center-row{
     display: block;
  margin-left: auto;
  margin-right: auto;
  width: 50%;
}
```

main.css

```css
@import url('http://fonts.googleapis.com/css?family=Open+Sans:400,700');
```

```css
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

html{
        background-color: #efefef;
}

body{
        font:14px/1.5 Arial, Helvetica, sans-serif;
        margin:0;
}



header{
    box-sizing: border-box;
        text-align: center;
    width: 100%;
    padding: 25px 40px;
    background-color: #673AB7;
    overflow: hidden;
}



header h1{
    float: left;
        font: normal 24px/1.5 'Open Sans', sans-serif;
        color: #fff;
}

header a{
    color:#fff;
    float: right;
    text-decoration: none;
    /*display: inline-block;*/
    padding: 13px 50px;
    border-radius: 3px;
    font: bold 14px/1 'Open Sans', sans-serif;
    text-transform: uppercase;
    background-color:#F05283;

}

ul {
```

```css
    list-style: none;
    border-bottom: 1px solid #EAEAEA;
    background-color: #A9A9A9;
    padding: 20px;
    margin-top: 0;
    text-align: center;
    margin-bottom: 75px;
}

ul a{
    text-decoration: none;
    color: #FFF;
    text-align: left;
    background-color: #e74c3c;
    padding:  10px 16px;
    border-radius: 2px;
    opacity: 0.8;
    font-size: 16px;
    display: inline-block;
    margin: 4px;
    line-height: 1;
    outline: none;

    transition: 0.2s ease;
}

ul li a.active{
    background-color: #e74c3c;
    pointer-events: none;
}

ul li a:hover {
    opacity: 1;
}


ul li{
    display: inline-block;
}


@media (max-width: 1000px) {


    header h1{
        float: none;
```

```css
        }

    header a{
        margin-top: 25px;
        float: none;
    }

}

.main-content{
    margin-bottom: 75px;
}

/* -- Demo ads -- */

@media (max-width: 1200px) {
        #bsaHolder{ display:none;}
}

/* -- Link to Tutorialzine -- */

.tz-link{
        text-decoration: none;
        color: #fff !important;
        font: bold 36px Arial,Helvetica,sans-serif !important;
}

.tz-link span{
        color: #da431c;
}
```

Login-Register.css

```css
html{
    background-color: #f3f3f3;
}

.form-register{
    max-width: 1000px;
    width: 100%;
    margin: 0 auto;

    font: bold 14px sans-serif;
    text-align: center;
```

```css
        }

    .form-register-with-email{
        position: relative;
        display: inline-block;
        vertical-align: top;
        margin-right: 30px;
        text-align: center;
    }

    .form-register-with-email .form-white-background{
        width: 570px;
        box-sizing: border-box;
        background-color: #ffffff;
        box-shadow: 0 1px 3px 0 rgba(0, 0, 0, 0.1);
        padding: 60px 45px;
        margin-bottom: 35px;
    }

    .form-register-with-email .form-row{
        text-align: left;
        margin-bottom: 23px;
    }

    .form-register-with-email .form-title-row{
        text-align: center;
        margin-bottom: 50px;
    }

    .form-register-with-email h1{
        display: inline-block;
        box-sizing: border-box;
        color: #4c565e;
        font-size: 24px;
        padding: 0 20px 15px;
        border-bottom: 2px solid rgb(0, 0, 255);
        margin: 0;
    }

    .form-register-with-email .form-row > label span{
        display: inline-block;
        box-sizing: border-box;
        color: #5f5f5f;
        width: 125px;
        text-align: right;
        padding-right: 25px;
```

```
        }

    .form-register-with-email input{
        color:  #5f5f5f;
        box-sizing: border-box;
        width: 230px;
        box-shadow: 1px 2px 4px 0 rgba(0, 0, 0, 0.08);
        padding:  12px 18px;
        border: 1px solid #dbdbdb;
    }

    .form-register-with-email .form-checkbox input{
        margin-left:  128px;
        margin-right:  10px;
        width: auto;
        vertical-align: top;
    }

    .form-register-with-email .form-row .form-checkbox span{
        font-size:  12px;
        font-weight: normal;
        display: inline-block;
        text-align: left;
        width: 220px;
        margin: 0;
    }

    .form-register-with-email .form-checkbox span a{
        text-decoration: none;
        color:  #6caee0;
    }

    .form-register-with-email button{
        display: block;
        border-radius: 2px;
        background-color: #6caee0;
        color: #ffffff;
        font-weight: bold;
        box-shadow: 1px 2px 4px 0 rgba(0, 0, 0, 0.08);
        padding:  15px 35px;
        border: 0;
        margin: 55px auto 0;
        cursor: pointer;
    }

    .form-register-with-email .form-log-in-with-existing{
```

```css
    text-decoration: none;
    padding: 15px 45px;
    font-weight: normal;
    color: #7b9d62;
    background-color: #d6f0c3;
}

/*.form-register-with-email:after{
    content: 'OR';
    position: absolute;
    bottom: 330px;
    right: -100px;

    border-radius: 50%;
    background-color: #edeca5;
    width: 50px;
    height: 50px;
    color: #93923b;
    font-size: 17px;
    line-height: 50px;
}*/


.form-sign-in-with-social{
    display: inline-block;
    max-width: 180px;
    box-sizing: border-box;
    vertical-align: top;
    text-align: center;
    margin-top: 100px;
}

.form-sign-in-with-social .form-title-row{
    margin-bottom: 50px;
}

.form-sign-in-with-social .form-title{
    box-sizing: border-box;
    color: #4c565e;
    font-size: 24px;
    padding: 15px 20px;
    border-bottom: 2px solid #6caee0;
}

.form-sign-in-with-social .form-google-button{
    color: #ffffff;
    display: block;
```

```css
    width: 145px;
    height: 40px;
    font-size: 12px;
    line-height: 40px;
    background-color: rgba(222, 110, 60, 0.9);
    box-shadow: 1px 2px 2px 0 rgba(0, 0, 0, 0.08);
    border-radius: 2px;
    margin: 8px auto;
    text-decoration: none;
}

.form-sign-in-with-social .form-facebook-button{
    color: #ffffff;
    display: block;
    width: 145px;
    height: 40px;
    font-size: 12px;
    line-height: 40px;
    background-color: rgba(75, 136, 194, 0.9);
    box-shadow: 1px 2px 2px 0 rgba(0, 0, 0, 0.08);
    border-radius: 2px;
    margin: 8px auto;
    text-decoration: none;
}

.form-sign-in-with-social .form-twitter-button{
    color: #ffffff;
    display: block;
    width: 145px;
    height: 40px;
    font-size: 12px;
    line-height: 40px;
    background-color: rgba(123, 195, 226, 0.9);
    box-shadow: 1px 2px 2px 0 rgba(0, 0, 0, 0.08);
    border-radius: 2px;
    margin: 8px auto;
    text-decoration: none;
}

/*    Making the form responsive. Remove these media queries
   if you don't need the form to work on mobile devices. */

@media (max-width: 900px) {

    .form-register{
        margin: 20px auto;
```

```css
    }

    .form-register-with-email{
        position: relative;
        display: block;
        margin: 0;
    }

    .form-register-with-email .form-white-background{
        margin: 0 auto 32px;
    }

    .form-register-with-email:after{
        bottom: -80px;
        left: 50%;
        margin-left: -25px;
    }

    .form-sign-in-with-social {
        margin-top: 105px;
    }

}

@media (max-width: 600px) {

    .form-register-with-email .form-white-background{
        width: 300px;
        padding-left: 35px;
        padding-right: 35px;
    }

    .form-register-with-email .form-row > label span{
        display: block;
        text-align: left;
        padding: 0 0 10px;
    }

    .form-register-with-email input{
        display: block;
        margin: 0 auto;
    }

    .form-register-with-email .form-checkbox input{
        display: inline-block;
        margin-left: 0;
```

```css
    }

    .form-register-with-email .form-checkbox span{
        width: 200px !important;
    }

    .form-register-with-email:after{
        bottom: -80px;
        left: 50%;
        margin-left: -25px;
    }

}
```

9. <u>ACKNOWLEGMENTS</u>

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