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Abstract

Mobile App for general Public to Submit their complain regarding streetlights and power cuts. New application and feedback for optimal use of energy.

About Me

Myself Aum Sahayata, A student from GANPAT UNIVERSITY [SEM 3] currently pursuing Computer Science Engineering with Specialization in Big Data & Analytics.

Name: Aum Sahayata
Section: A
Branch: BDA
Batch: 33
Sem: III

Tools Used

Programming language

Java

API

JDBC

IDE

VS code

Database

MYSQL + Workbench

Wireframe

Figma

Github

Wireframe

Wireframe helps us to understand the flow and user experience of the app.

Link to wireframe

```java
try{

            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/project",
"test","JDBC@test1908");
            Statement stm = con.createStatement();
            System.out.println("\n"+WHITE_BG+"------------------------------User
Login-----------------------------"+RESET+"\n");
            System.out.print("\nEnter your phone number: ");
            Long phoneNo = in.nextLong();
            System.out.print("\nEnter your Password: ");
            String passwd = in.next();
            ResultSet rs = stm.executeQuery("select id from user where
phone_no="+phoneNo+" and password='"+passwd+"'");

            |

            |

            |
catch(Exception e){ System.out.println(e); }
```

Here this is the block of code which acts as a bridge between the database and java application.

Please refer to the source code for full code

This is main driver code of the application.

It call different functions from different classes to perform operations

```java
package com.project;
public class App {


    public static void
main(String[] args){
        login.loginChoice();
        if(login.loginType=='u'){


complain.action(login.ID);
        }
        else
if(login.loginType=='a'){
            manage.menu();
        }
    }
}
```

```java
private static void newcomp(){

        Scanner in = new Scanner(System.in);
        System.out.println("\n"+GREEN_BG+"----------------------------New
Complaint----------------------------"+RESET+"\n");
        System.out.println("\nNote:Your contact information will be take from your account.");
        System.out.println("\n"+RED+"Subject/Title:"+RESET);
        String subject = in.nextLine();
        System.out.println("\n"+RED+"Describe your problem:"+RESET);
        String detail = in.nextLine();
        System.out.println("\n"+RED+"Address/Location:"+RESET);
        String addr = in.nextLine();

System.out.println("\n"+GREEN_BG+"------------------------------------------------------------------------"+RESET);

        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/project",
"test","JDBC@test1908");
            PreparedStatement pstm = con.prepareStatement("insert into complaint
(uid,subject,details,location)"+"values(?,?,?,?)");

            pstm.setInt(1, ID);
            pstm.setString(2, subject);
            pstm.setString(3, detail);
            pstm.setString(4, addr);
            pstm.executeUpdate();
            con.close();
            System.out.println("\nNew complaint registered you can check status from your account.");
            System.out.println("\n------------------------------------------------------------------------\n");
        } catch (Exception e) {
            System.out.println(e);
        }
    }
```

This is the block where new complaints are registered

Please refer to the source code for full code

Output

Here we will start by logging into user account (We have used switch case to achieve this)

```
-----------------------------------------

1.User Login
2.User Register
-----------------------------------------

3.Admin Login
4.Admin Register

5.Exit

-----------------------------------------
```

```
Enter your choice: 1

-----------------------------User Login-----------------------------


Enter your phone number: 9725621661

Enter your Password: user_Aum

===========Logged in===========

-----------------------------------------


=========================================


1.Register a new complaint
2.Check status of previous complaints
3.Exit

=========================================

Enter your choice:
```

```
Enter your choice: 2

------------------------------------------------------------

N - means your complaint is not yet assigned to anyone (Please be patient)
U - means your complaint is being resloved
D - means your complaint resloved


Subject: iufgi
Details: j wvfgiwfuiwbiufuweb ifb webf wi w f9w w
Status: N

------------------------------------------------------------

Subject: Hello world
Details: nfabnf  fwfwefsvsvibvsib  w f wbwfwi wfw w bfwbfuiwebiw bw fwb fiwfbiubsdbvsiuvbuisvsv
dgb  fiuwbvbviu bgei b ui wb gi v rniu  uv v e euigb ege gbdnvoeiniertheruiuhhgut  geruhg  giu
bo gie
Status: U

------------------------------------------------------------

Subject: Hello
Details: World
Status: U

------------------------------------------------------------

============================================================

1.Register a new complaint
2.Check status of previous complaints
3.Exit

============================================================

Enter your choice: ▮
```
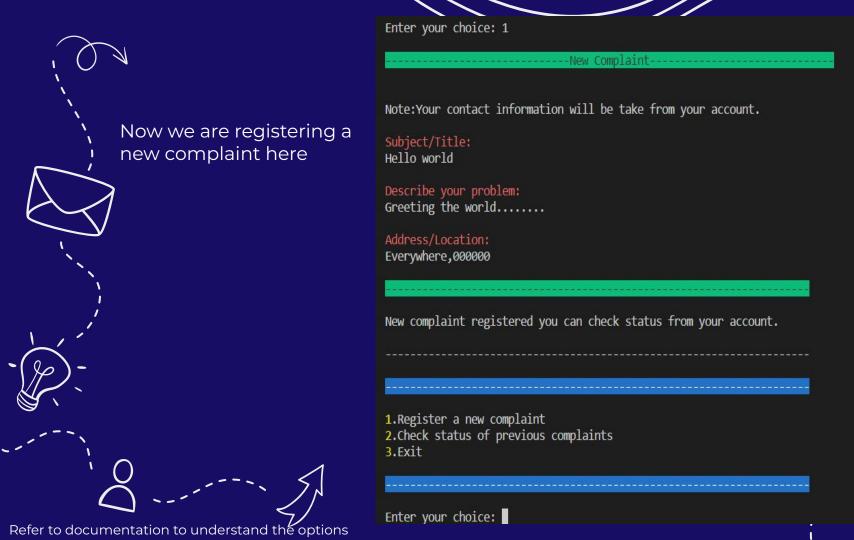
Then we choose to see all our old complaints

We can also register new complaints

Now we are registering a new complaint here

Refer to documentation to understand the options

```
Enter your choice: 1

----------------------------New Complaint----------------------------

Note:Your contact information will be take from your account.

Subject/Title:
Hello world

Describe your problem:
Greeting the world........

Address/Location:
Everywhere,000000

New complaint registered you can check status from your account.

--------------------------------------------------------------------

1.Register a new complaint
2.Check status of previous complaints
3.Exit

Enter your choice:
```

THANK YOU

By Aum Sahayata