

# |OOP Project

Aum Sahayata



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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



# Wireframe

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

[Link to wireframe](#)



```

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

```
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();
    }
}
}
```





```

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 pstmt = con.prepareStatement("insert into complaint
(uid,subject,details,location)"+values(?,?,?,?)"");

        pstmt.setInt(1, ID);
        pstmt.setString(2, subject);
        pstmt.setString(3, detail);
        pstmt.setString(4, addr);
        pstmt.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 resolved  
D - means your complaint resolved

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

Subject: Hello world  
Details: nfabnf fwfwefsvsvibsvb w f wbwfwf wfw w bfwbfuiwebiw bw fwb fiwfbiusdbvsiuvbuisvsv  
dgb fiuwbvbiu bgei b ui wb gi v rniu uv v e euigb ege gbdnvoeiniertheruiuhgut geruhg giu  
bo gie  
Status: U

Subject: Hello  
Details: World  
Status: U

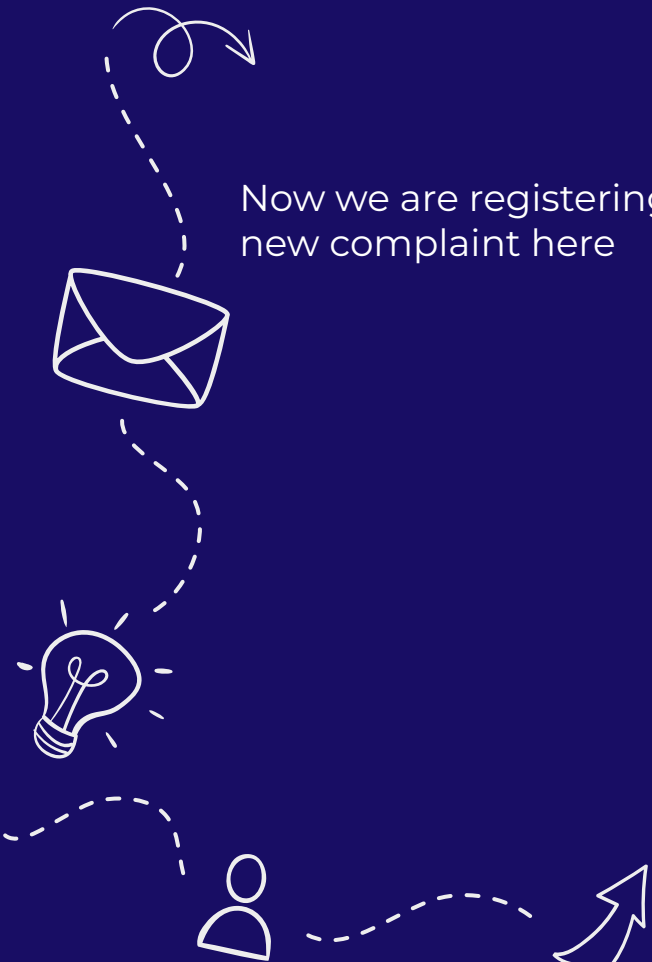
1.Register a new complaint  
2.Check status of previous complaints  
3.Exit

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

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: █

Refer to documentation to understand the options

# THANK YOU

By Aum Sahayata

