DA1001-EXPERIENTAL LEARNING

Project- Electricity Billing System

Project name- Bijli

Submitted by- Kashish Jaiswal

Yash Turambekar

INTRODUCTION

01

In this project, we build a desktop application to digitally manage electricity billing

02

It will help store and manage customers' profile and calculate their electricity bill

03

User will be able to view and edit their profile and check payment status of all their billing cycles
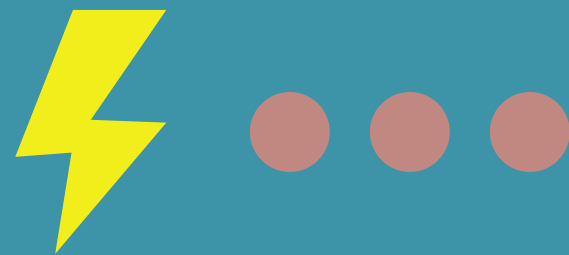
04

Admin will be responsible for data entry

BIJLI

Electricity Billing System

TECHNOLOGIES USED IN THE PROJECT

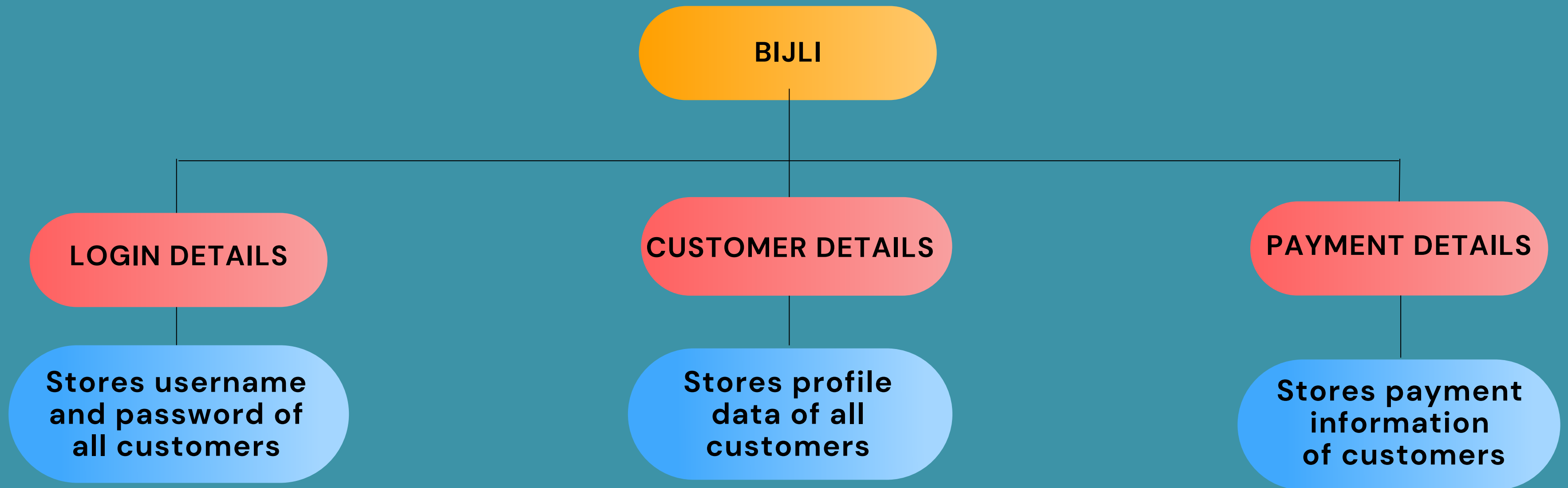## Frontend

We use Java Swing API
to create the GUI

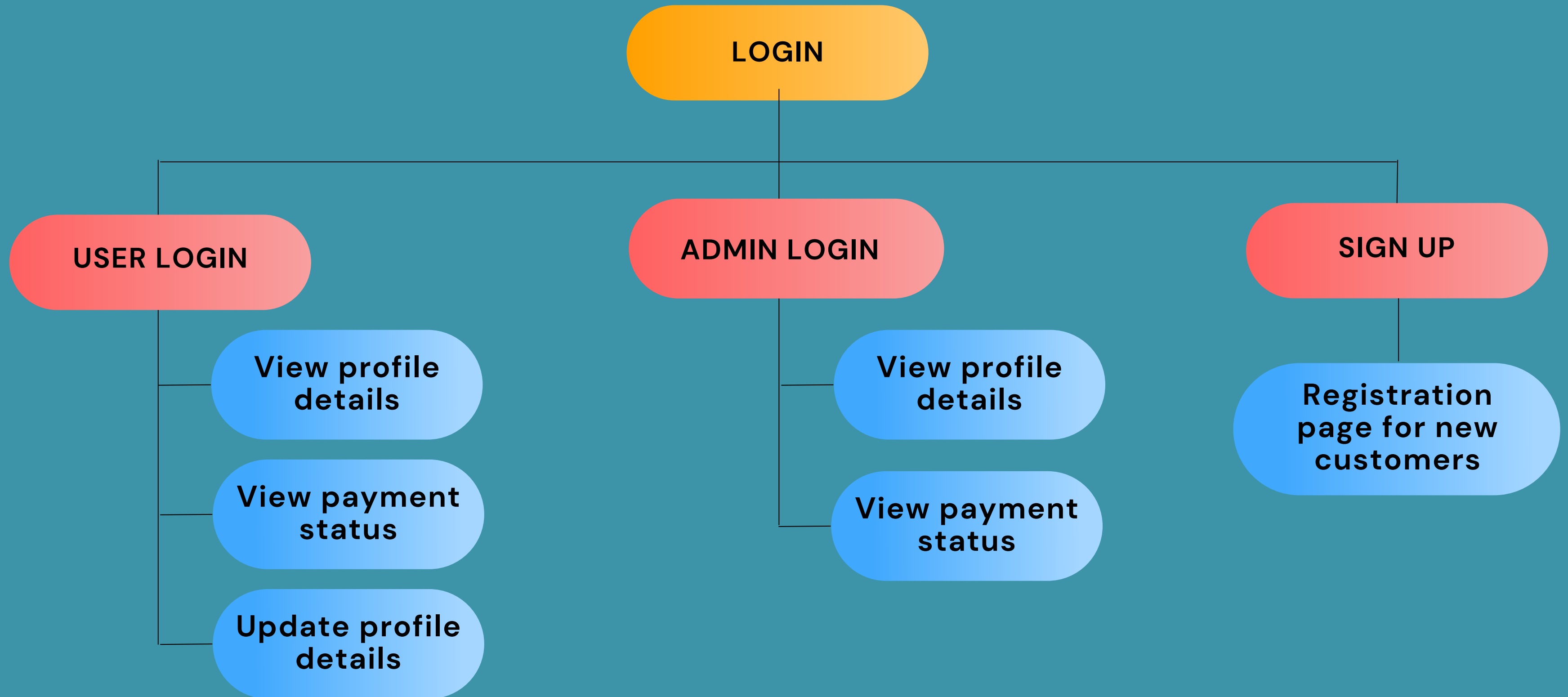## Backend

We use Java along with
JDBC API

Database

We use PostgreSQL to
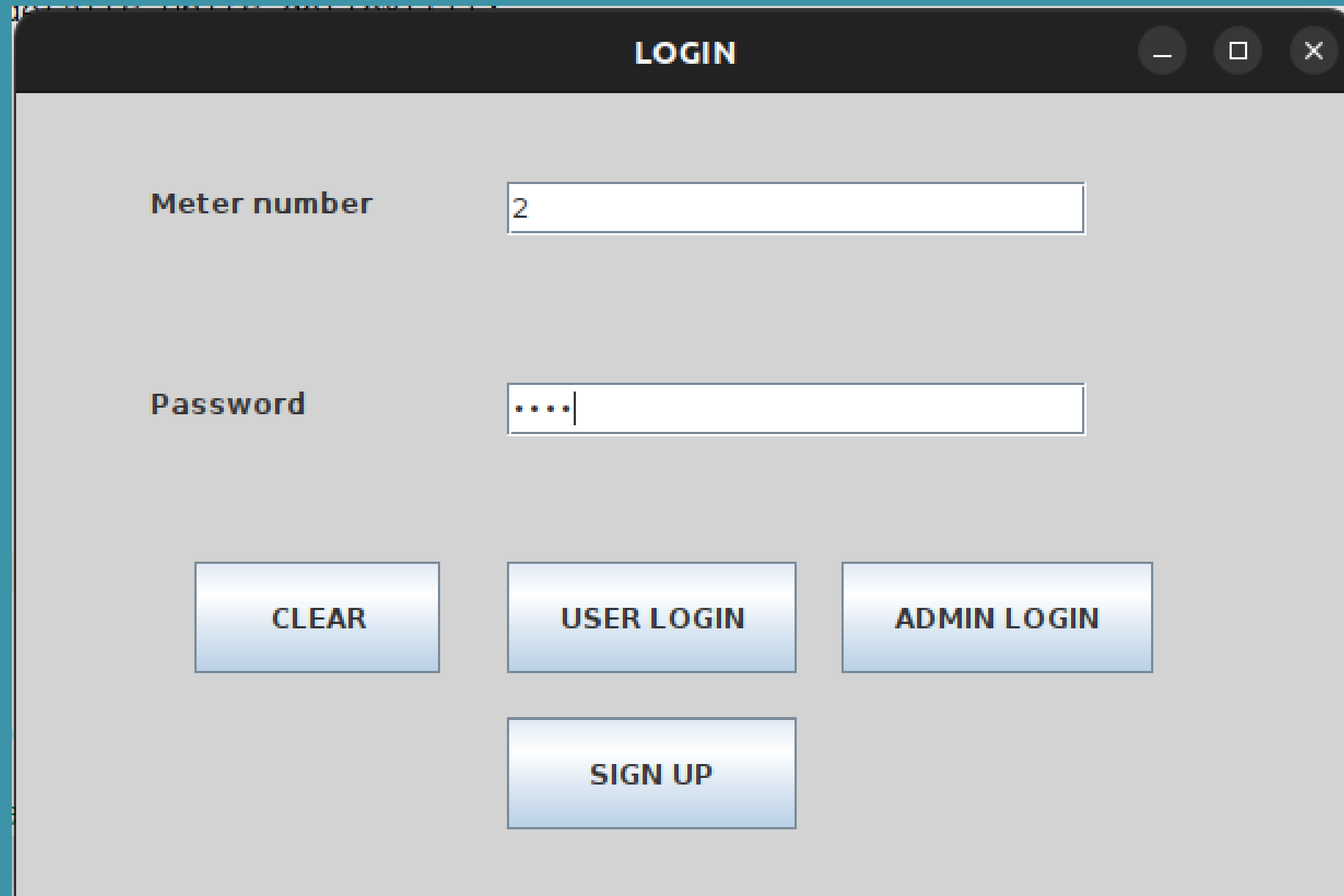store application data

Database Model and schema

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LOGIN DETAILS

CUSTOMER DETAILS

PAYMENT DETAILS

Stores username and password of all customers

Stores profile data of all customers

Stores payment information of customers

GUI MODEL

LOGIN

USER LOGIN

ADMIN LOGIN

SIGN UP

View profile details

View payment status

Update profile details

View profile details

View payment status

Registration page for new customers

LOGIN PAGE

LOGIN

Meter number   2

Password   ••••

[CLEAR]   [USER LOGIN]   [ADMIN LOGIN]

[SIGN UP]

Customer will login with their respective login credentials

For new registration, go to sign up page

Admin will have special rights and login credentails

SIGN UP PAGE

SIGN UP

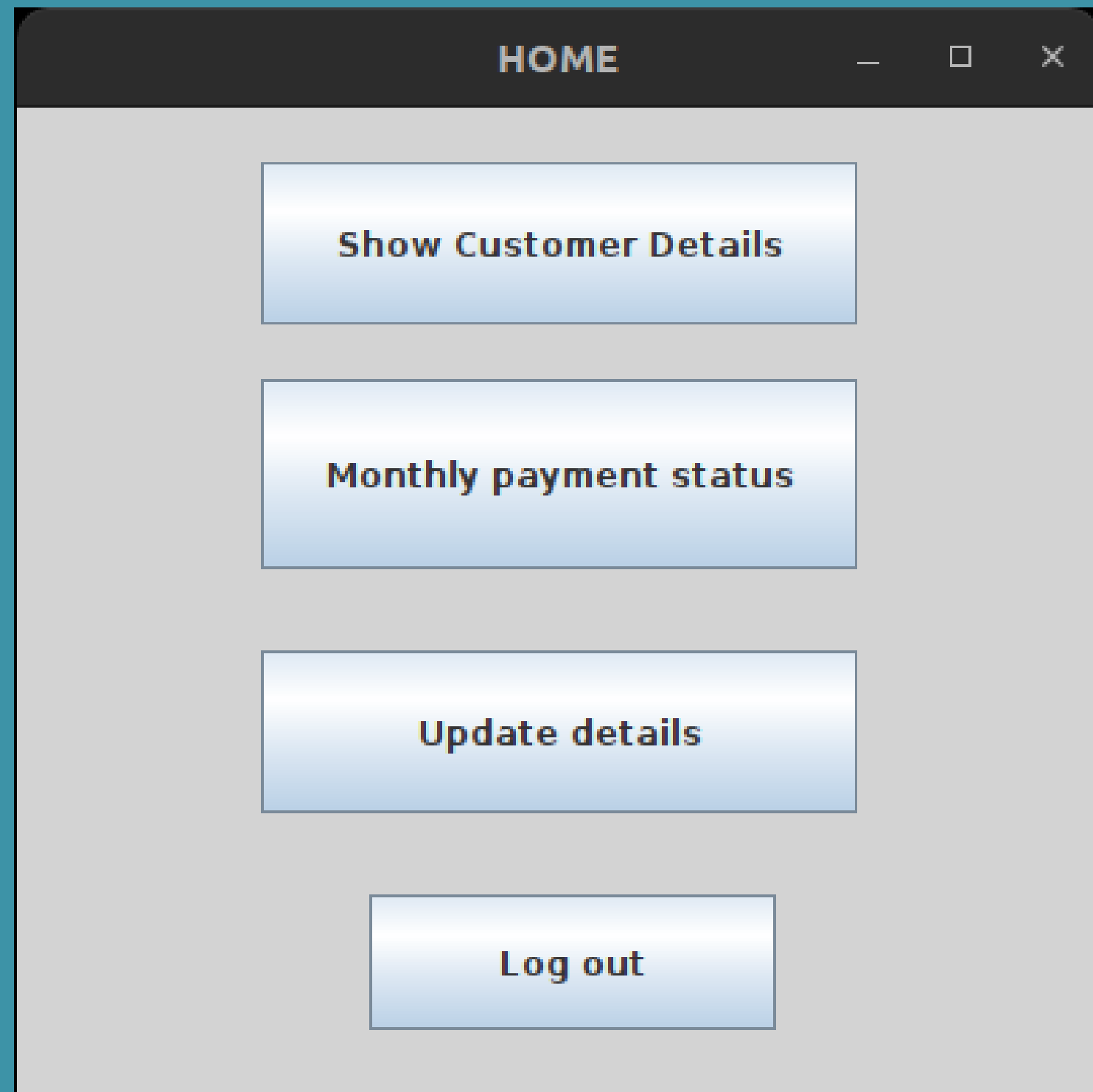| Name | Yash Turambekar |
Address	Swarviahr, Hadapsar, Pune
Zipcode	411028
email	yash@gmail.com
Phone no.	8786753652
Joining date	2019-07-15
New Password	....

CLEAR   SIGN UP

Enter all details to register as a new customer

Entered details will be stored in database

HOME PAGE

HOME

Show Customer Details

Monthly payment status

Update details

Log out

A portal to different features available to customer

FEATURES FOR USER

CUSTOMER DETAILS

Meter ID	2
Customer N...	Yash Turambekar
Address	Swarvihar, Hadapsar, Pune
Zipcode	411028
Emai...	yash@gmail.com
Phone Num...	8786753652
Joining D...	2019-07-15

BACK · SHOW DETAILS · CLEAR

UPDATE DETAILS

Name	
Address	
Zipcode	
email	
Phone no.	

BACK · UPDATE DETAILS · CLEAR

PAYMENT STATUS

Month 6 · Year 2020
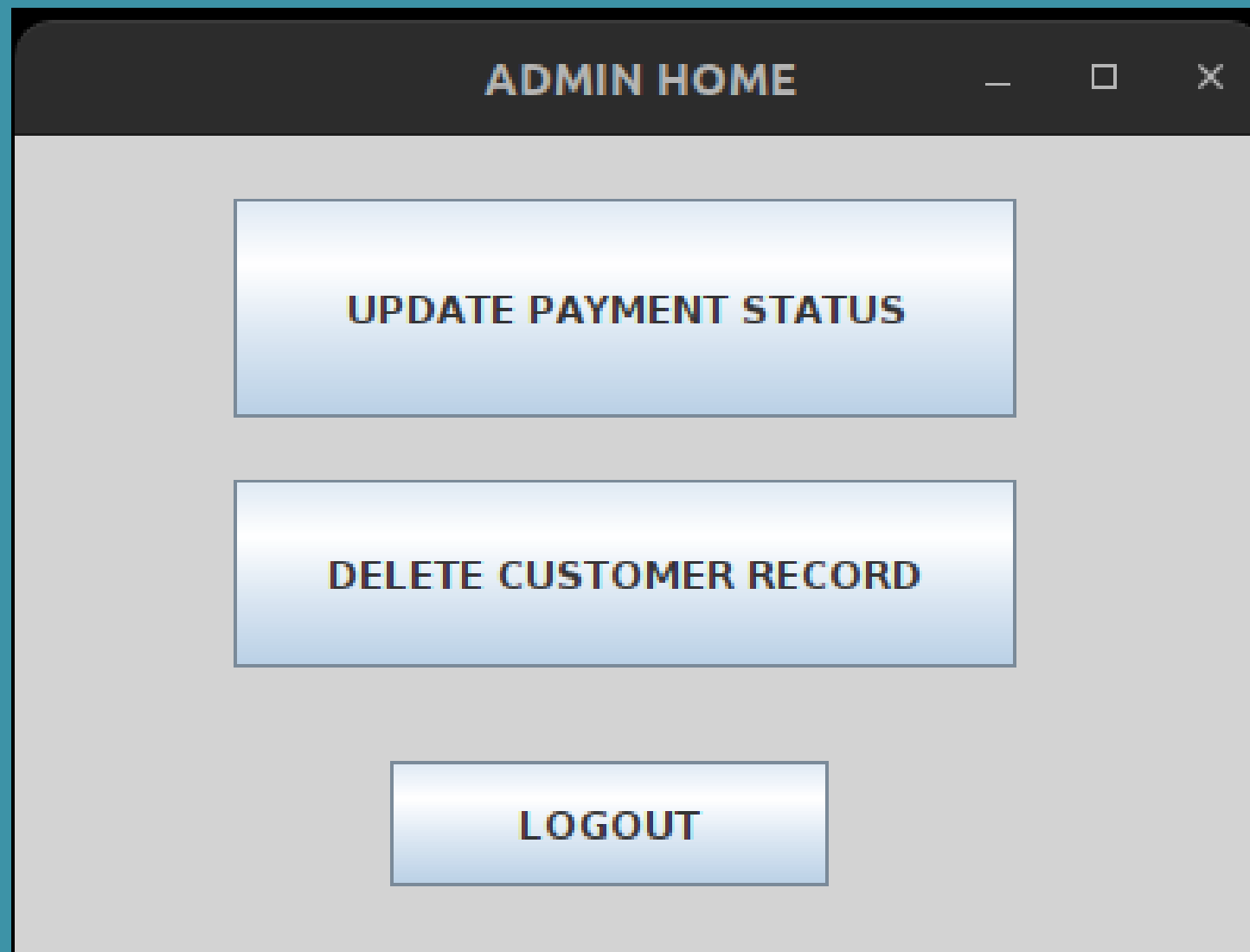
DISPLAY

Units 300 · Bill 100.0

Status Not paid

BACK · CLEAR

View profile details

Update profile details

View payment status

ADMIN PAGE

ADMIN HOME

UPDATE PAYMENT STATUS

DELETE CUSTOMER RECORD

LOGOUT

A portal to functions available to admin

FUNCTIONS OF ADMIN

Data entry

Delete records

Conclusion

- Convenient to use

- Freely available on github

- Made using java, so can run on multiple platforms

- Main goal of the application is to make it easy to manage electricity billing by providing a digital solution

Members

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Thank you for listening!