



Electricity Billing System

Project done by :

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INTRODUCTION :-

THE ELECTRICITY BILLING SYSTEM HAS BEEN DEVELOPED TO OVERRIDE THE PROBLEMS PREVAILING IN THE PRACTICING MANUAL SYSTEM. THIS SOFTWARE IS SUPPORTED TO ELIMINATE AND IN SOME CASES REDUCE THE HARDSHIP FACED BY THIS EXISTING SYSTEM. MOREOVER THIS SYSTEM IS DESIGNED FOR THE PARTICULAR NEED OF THE COMPANY TO CARRY OUT OPERATIONS IN A SMOOTH AND EFFECTIVE MANNER.

THE APPLICATION IS REDUCED AS MUCH AS POSSIBLE TO AVOID ERRORS WHILE ENTERING THE DATA IT ALSO PROVIDES ERROR MESSAGE WHILE ENTERING INVALID DATA. NO FORMAL KNOWLEDGE IS NEEDED FOR THE USER TO USE THIS SYSTEM. THUS BY THIS ALL IT PROVES IT IS USER FRIENDLY . ELECTRICITY BILLING SYSTEM, AS DESCRIBED ABOVE , CAN LEAD TO ERROR FREE, SECURE , RELIABLE AND FAST MANAGEMENT SYSTEM . IT CAN ASSIST THE USER TO CONCENTRATE ON THEIR OTHER ACTIVITIES RATHER TO CONCENTRATE ON THE RECORD KEEPING THUS IT WILL HELPS ORGANISATION IN BETTER UTILISATION OF RESOURCES.

EVERY ORGANISATION , WHETHER BIG OR SMALL HAS CHALLENGES TO OVER COME AND MANAGING THE INFORMATION OF UNIT OF ENERGY , ELECTRICITY , STORE RECORD, CONNECTION, ELECTRICITY BOARD, EVERY ELECTRICITY BILLING SYSTEM .

TECHNOLOGY AND LANGUAGE USE

1.HARDWARE SPECIFICATION :

PROCESSOR	:	INTEL CORE I5
SYSTEM PROCESSOR SPEED	:	1.70GHZ TO 2.40GHZ
RAM	:	4GB
HARD DISK	:	4GB TO 30GB
KEYBOARD	:	104 KEYS

SOFTWARE REQUIREMENTS :-

LANGUAGE	:	JAVA
DATABASE	:	MYSQL
OPERATING SYSTEM	:	WINDOWS 8/10

SCOPE OF WORK :-

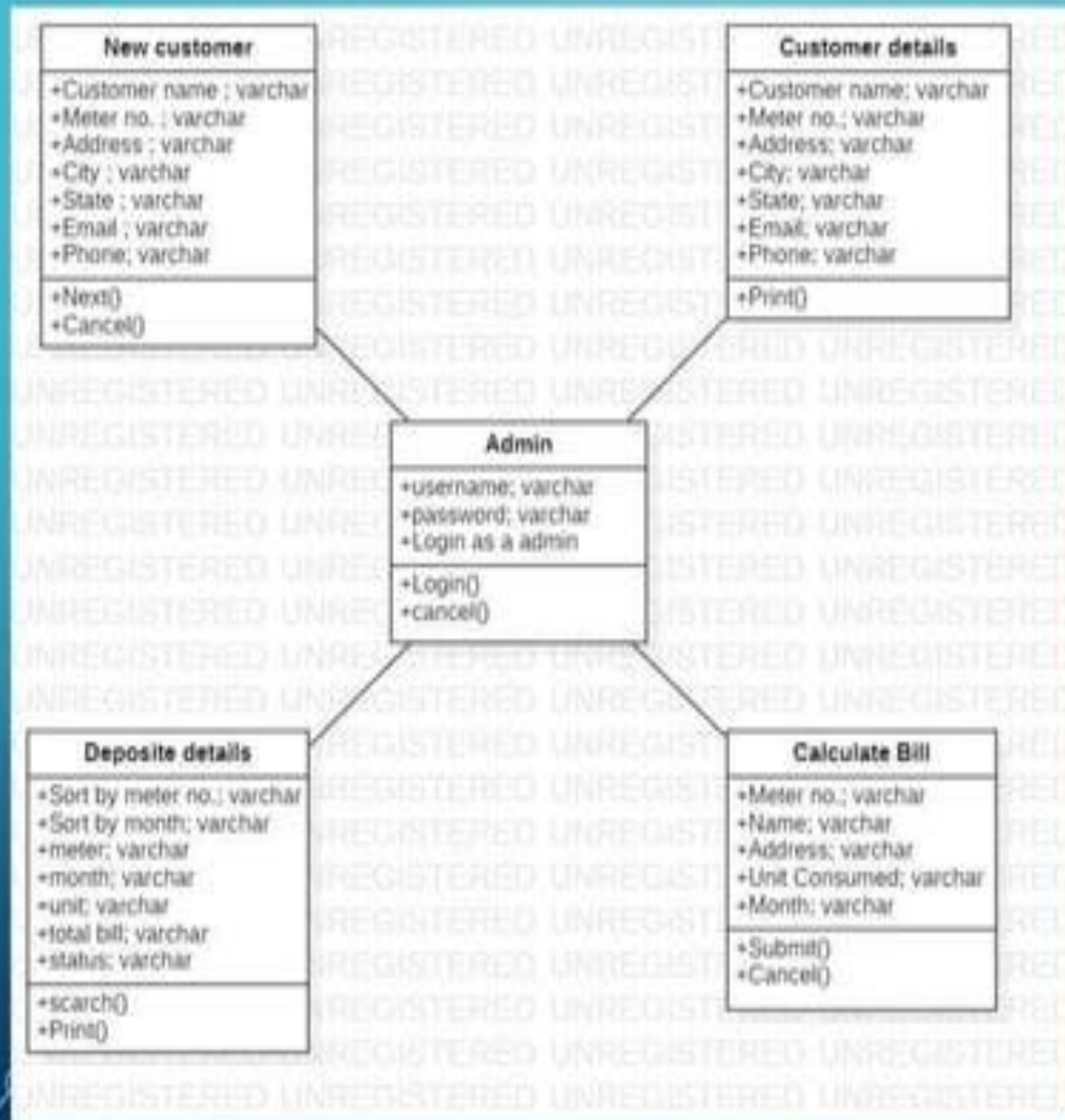
OUR PROJECT AIMS AT BUSINESS PROCESS AUTOMATION, I.E. WE HAVE TRIED TO COMPUTERIZE VARIOUS PROCESSES OF ELECTRICITY BILLING SYSTEM. IN THE SECTOR OF ELECTRICITY BOARD WE HAVE COMPUTERIZES THEIR DEPARTMENT AND STOCK MAINTENANCE.

SCOPE OF ANY SOFTWARE DEPENDS UPON THE FOLLOWING THINGS:

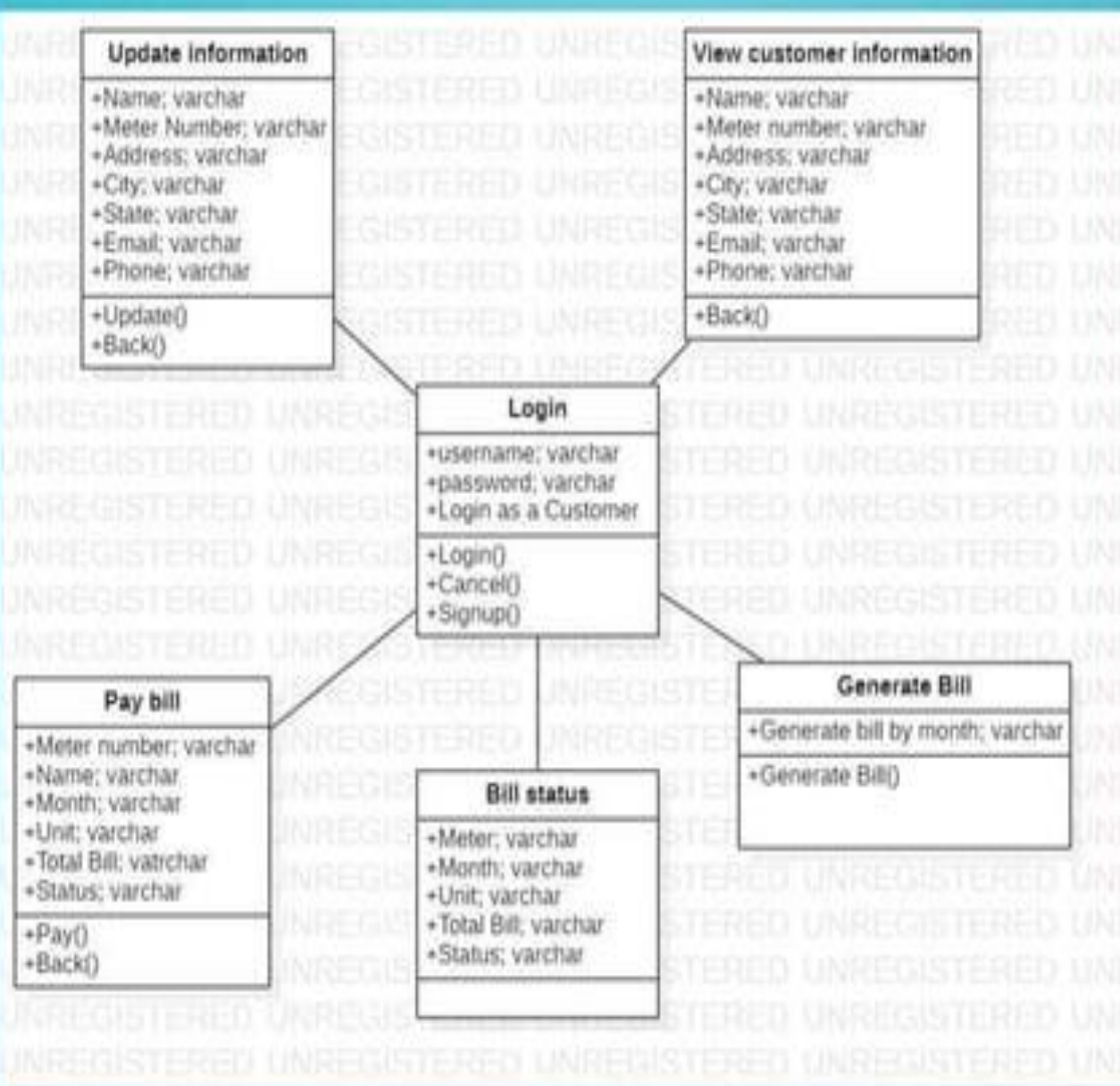
1. IT SATISFY THE USER REQUIREMENT
2. BE EASY TO UNDERSTAND BY THE USER AND OPERATOR
3. BE EASY TO OPERATE
4. HAVE A GOOD USER INTERFACE
5. BE EXPANDABLE
6. DELIVERED ON SCHEDULE WITHIN THE BUDGET.

WE HAVE TRIED TO MAKE SUCH TYPE OF SOFTWARE, WHICH SATISFY THE ABOVE GIVEN REQUIREMENT.

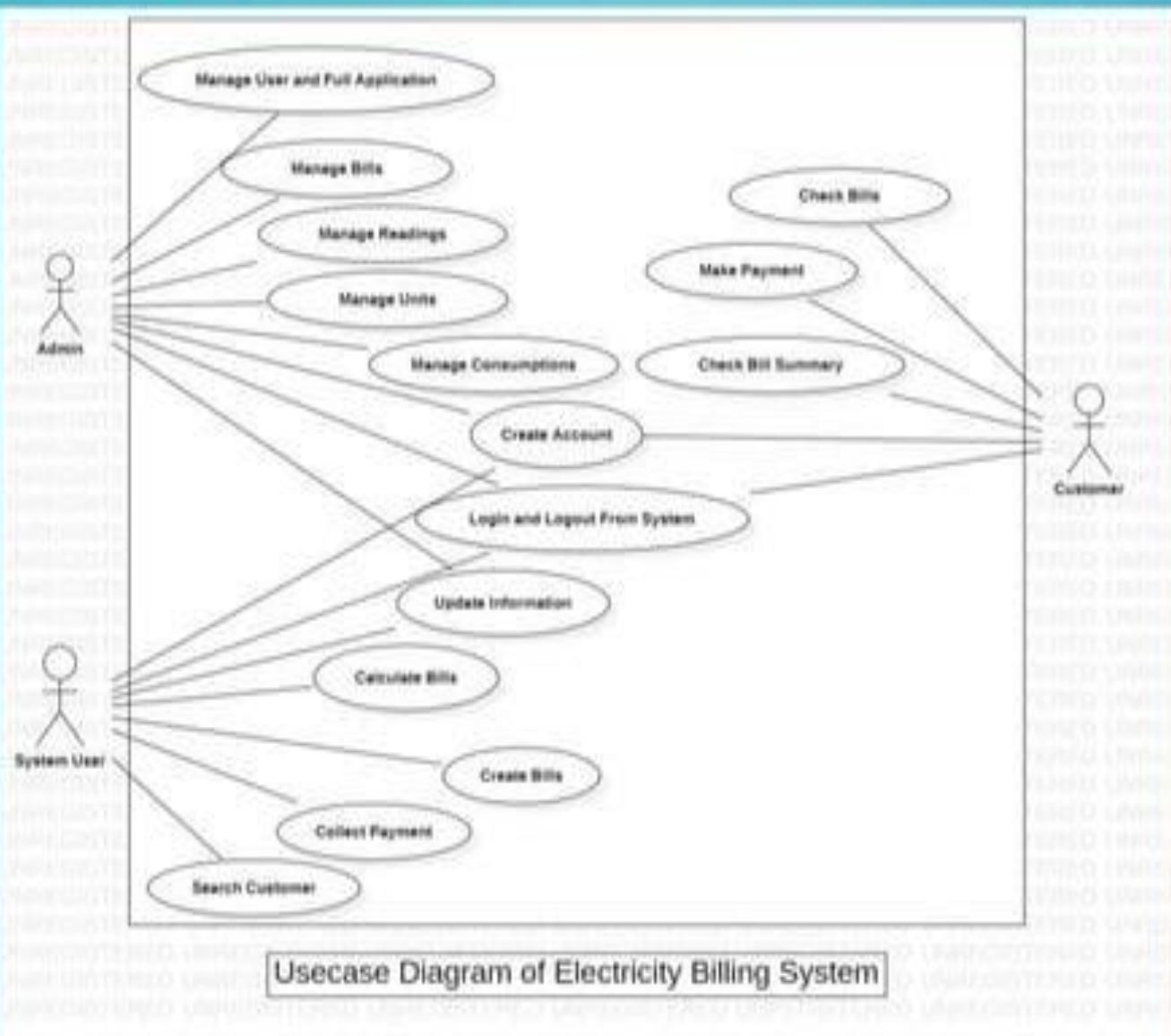
ADMIN CLASS DIAGRAM



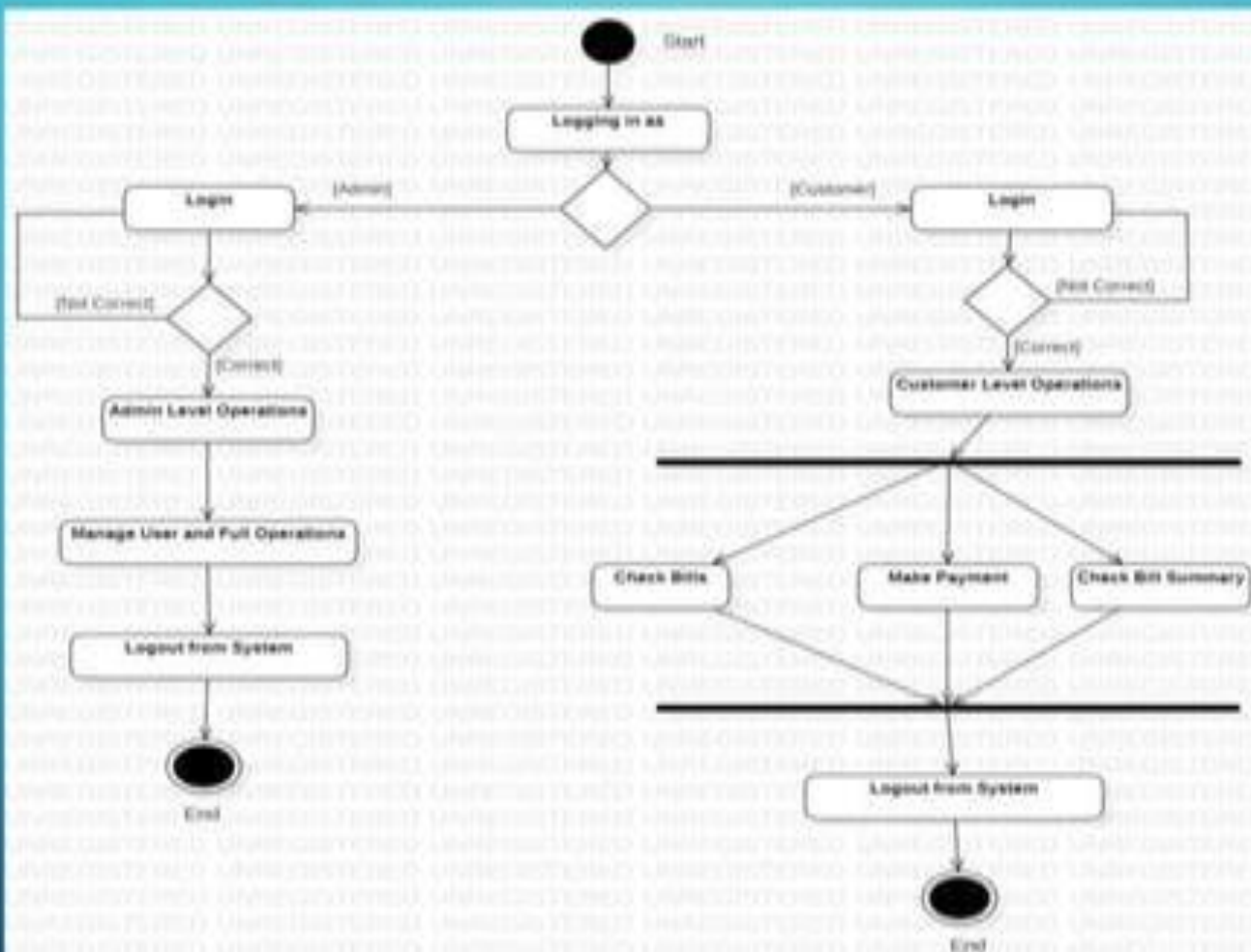
CUSTOMER CLASS DIAGRAM



USECASE DIAGRAM

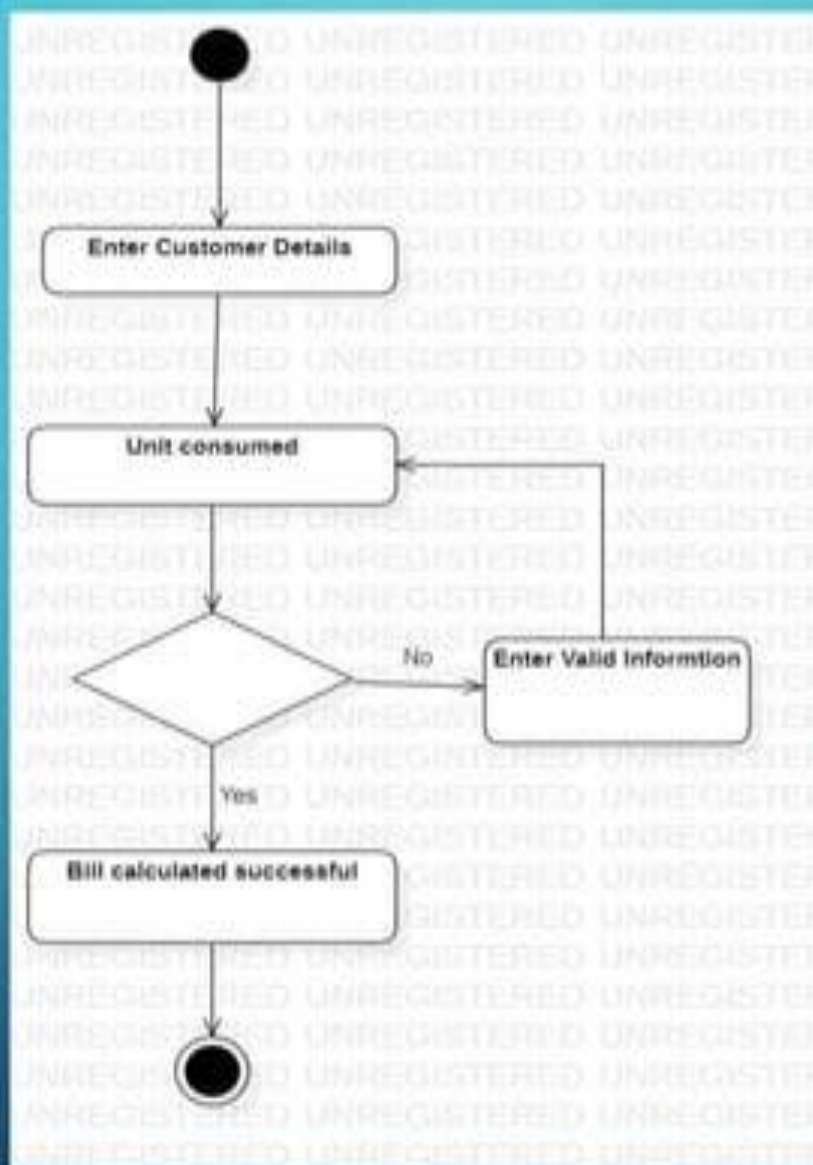


ACTIVITY DIAGRAM

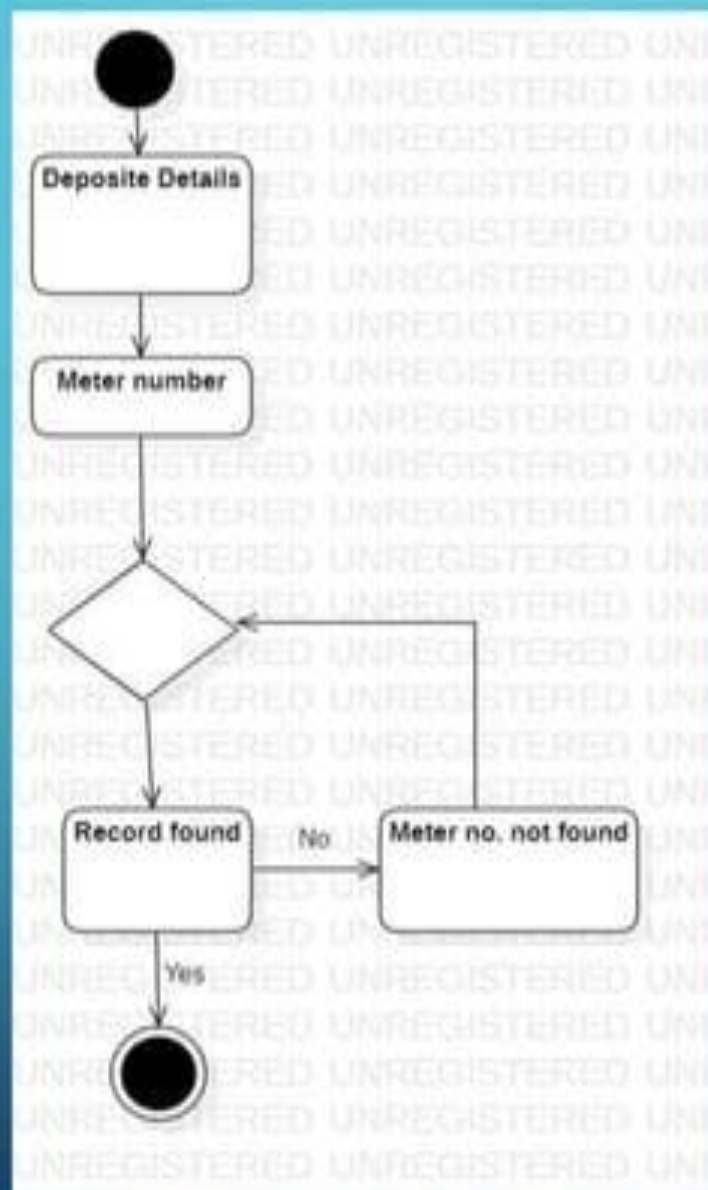


Activity Diagram for Electricity Billing System

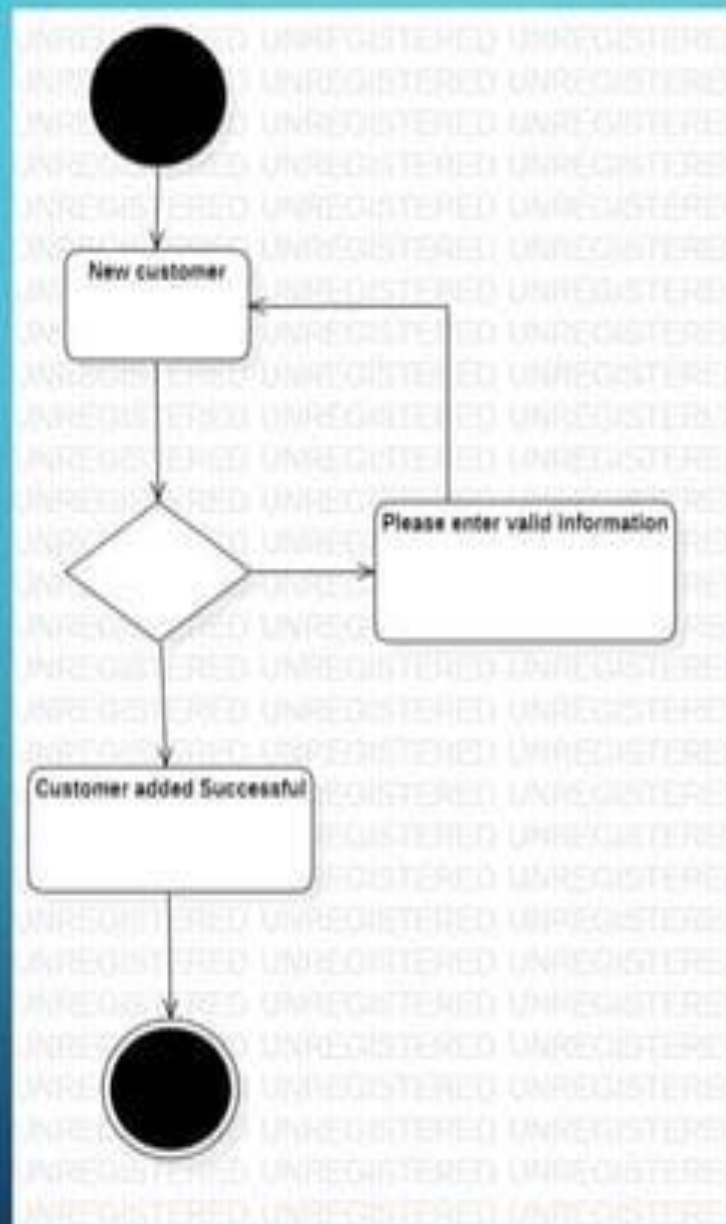
CUSTOMER DETAILS ACTIVITY DIAGRAM



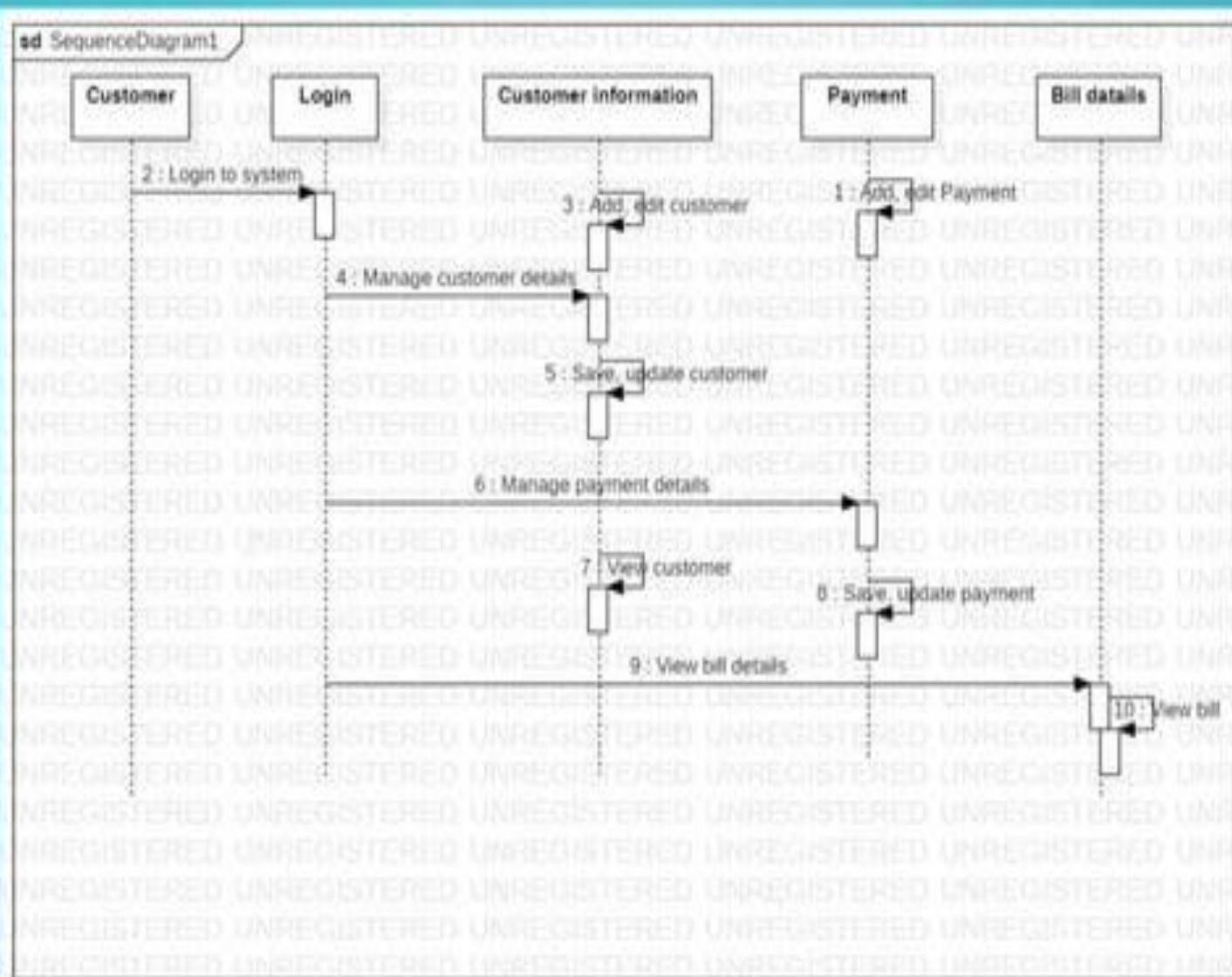
DEPOSITE DETAILS ACTIVITY DIAGRAM



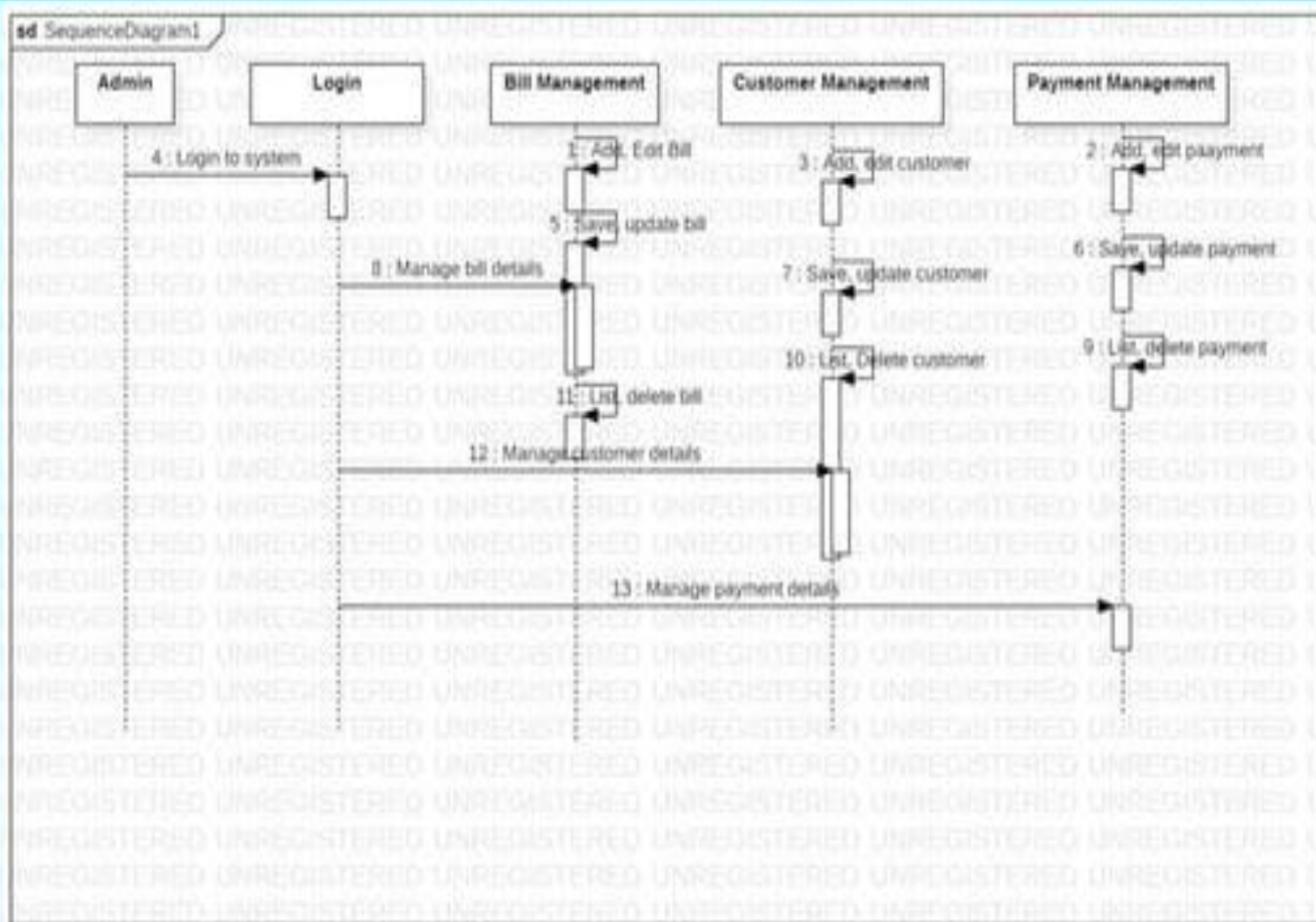
ADD NEW CUSTOMER ACTIVITY DIAGRAM



CUSTOMER SEQUENCE DIAGRAM



ADMIN SEQUENCE DIAGRAM



WELCOME SCREEN



ADMIN LOGIN PAGE



Username

Password

Logging in as

ADMIN HOME SCREEN



ADD NEW CUSTOMER

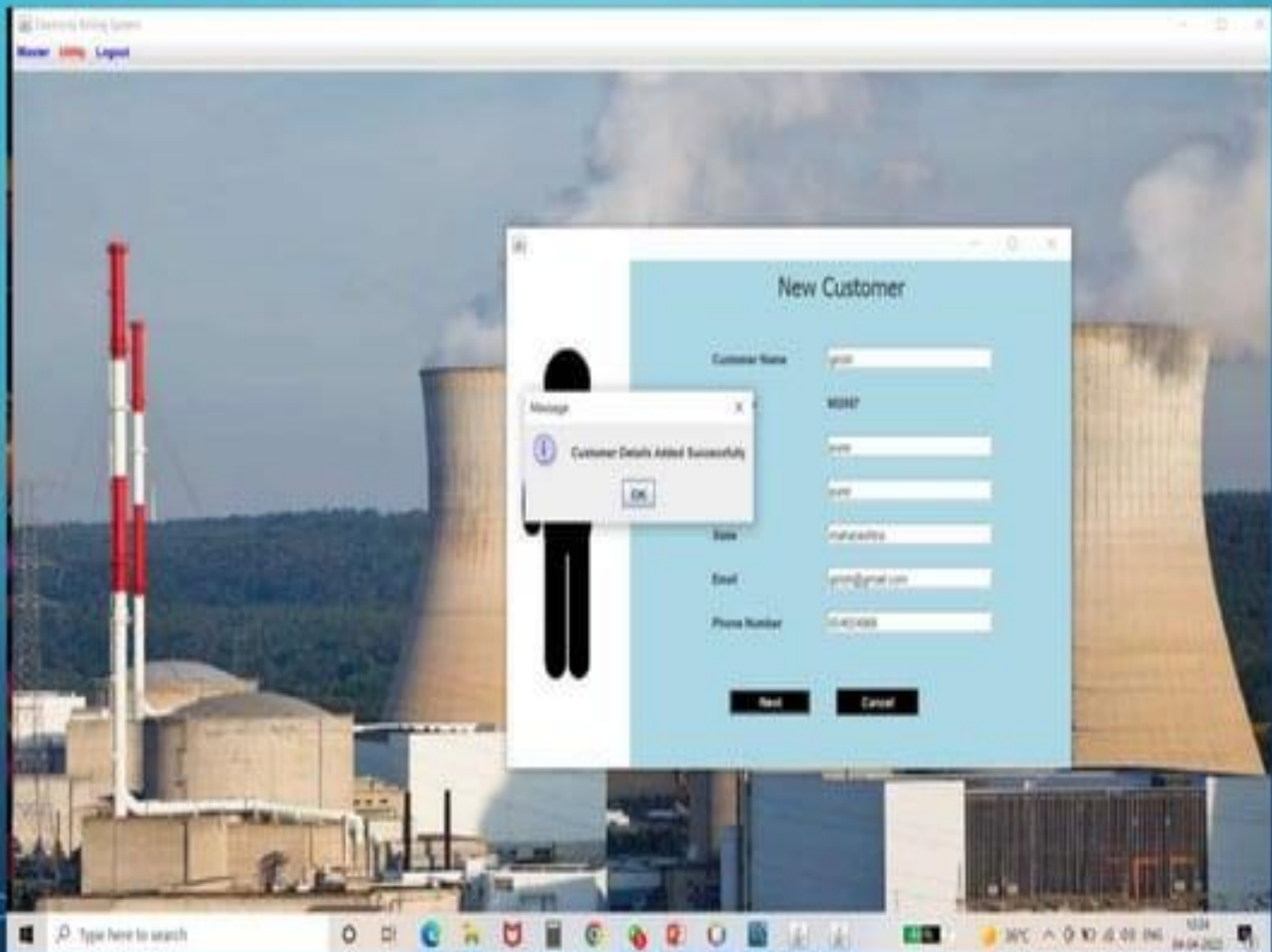
The screenshot displays a web application interface for adding a new customer. The background is a photograph of a power plant with large cooling towers. A white window titled 'New Customer' is centered on the screen, featuring a black silhouette of a person on the left and a light blue form on the right. The form contains the following fields:

- Customer Name:
- Water No:
- Address:
- City:
- State:
- Email:
- Phone Number:

At the bottom of the form are two buttons: 'Next' and 'Cancel'.

The browser's address bar shows 'Electricity Billing System' with links for 'Home', 'Login', and 'Logout'. The Windows taskbar at the bottom includes a search bar, application icons, and a system clock showing 12:28 on 24-04-2022.

ADD CUSTOMER SUCCESSFUL



ADD METER INFORMATION



Powerline Billing System

Home Utility Logout

Meter Information



Meter Number: M0007

Meter Location:

Meter Type:

Phase Code:

Bill Type:

Days: 30 Days

Note: By Default Bill is calculated for 30 days only

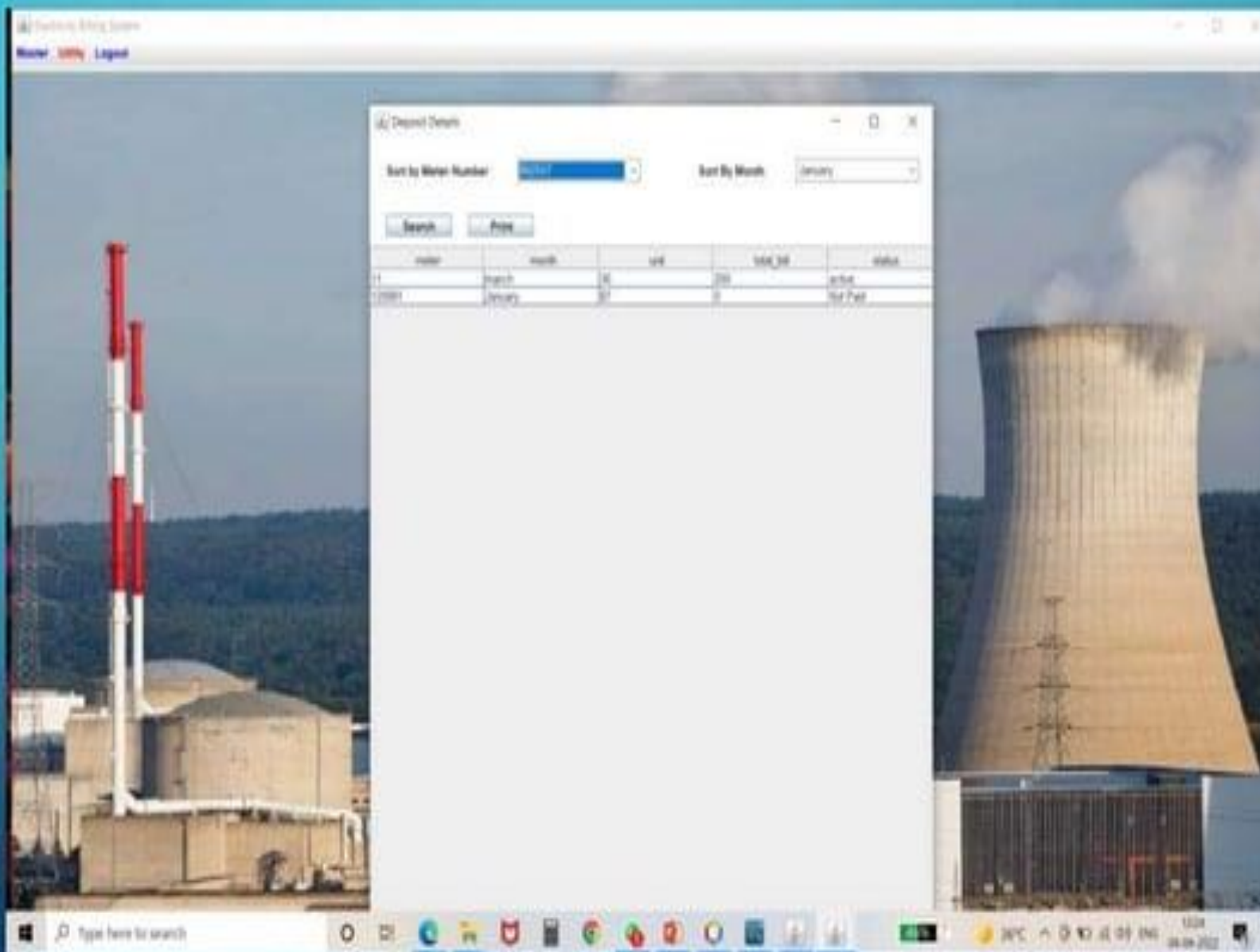
Type here to search

36°C 10:24 04/04/2022

METER INFORMATION ADD SUCCESSFUL



DEPOSIT DETAILS



The screenshot shows a web application interface for a 'Water Supply System'. The main window is titled 'Deposit Details' and features a search bar with 'Deposit' entered. Below the search bar is a table with the following data:

month	month	year	bill_id	status
March	March	20	200	active
April	April	20	0	Not Paid

The background image shows a large industrial cooling tower emitting steam, with a red and white striped chimney in the foreground. The Windows taskbar at the bottom indicates the system date is 24-04-2022 and the temperature is 26°C.

CALCULATE BILL

Factory Billing System

Home [Utility](#) [Logout](#)

Calculate Electricity Bill

Meter No.

Name

Address

Units Consumed

Month



CUSTOMER ELECTRICITY BILL UPDATE SUCCESSFUL



CUSTOMER LOGIN

Login Page



Username

Password

Logging in as

CUSTOMER HOME PAGE



UPDATE CUSTOMER INFORMATION



Information User Report Utility Logout

UPDATE CUSTOMER INFORMATION

Name

Water Number

Address

City

State

Email

Phone



VIEW CUSTOMER INFORMATION

Electricity Billing System

Information User Report Utility Logout

VIEW CUSTOMER INFORMATION

Name	Email
Meter Number	Phone
Address	
City	

Back

Type here to search

36°C 12:31 04-04-2022

PAY ELECTRICITY BILL

Electricity Billing System

Information User Report Utility Logout

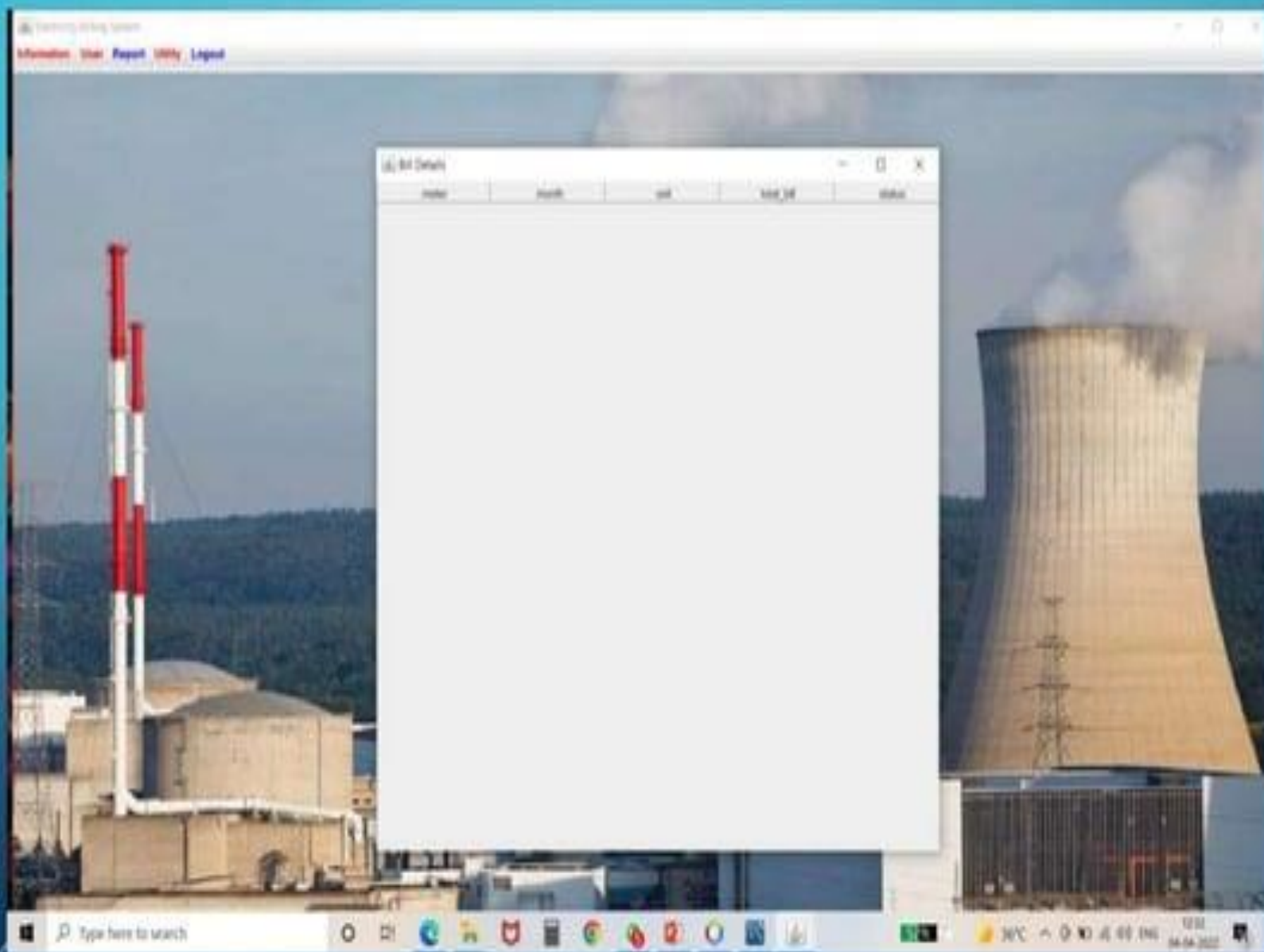
Electricity Bill

Meter No.	
Name	
Month	October
Units	
Total Bill	
Status	

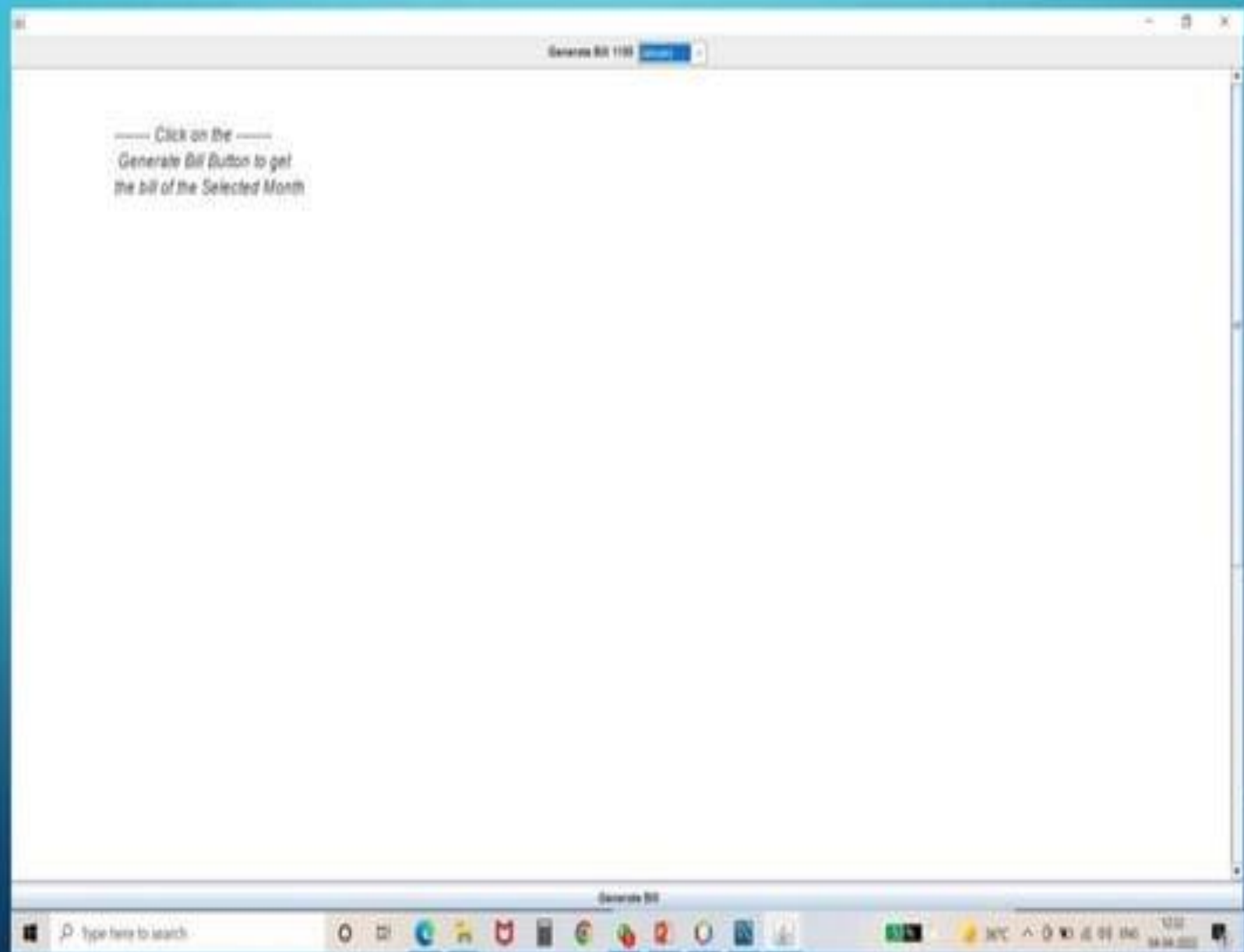
Pay Back



The image shows a web application for paying electricity bills. The background is a photograph of an industrial facility with tall smokestacks and a large cooling tower. Overlaid on this is a white rectangular window titled 'Electricity Bill'. Inside the window, there is a form with several input fields: 'Meter No.', 'Name', 'Month' (which has 'October' selected in a dropdown menu), 'Units', 'Total Bill', and 'Status'. Below the form are two buttons labeled 'Pay' and 'Back'. To the right of the form, there is a large icon representing a bill with a red checkmark inside a circle, indicating a successful payment or confirmation. The entire application is displayed within a browser window with a standard Windows taskbar at the bottom.



GENERATE BILL



THANK YOU...