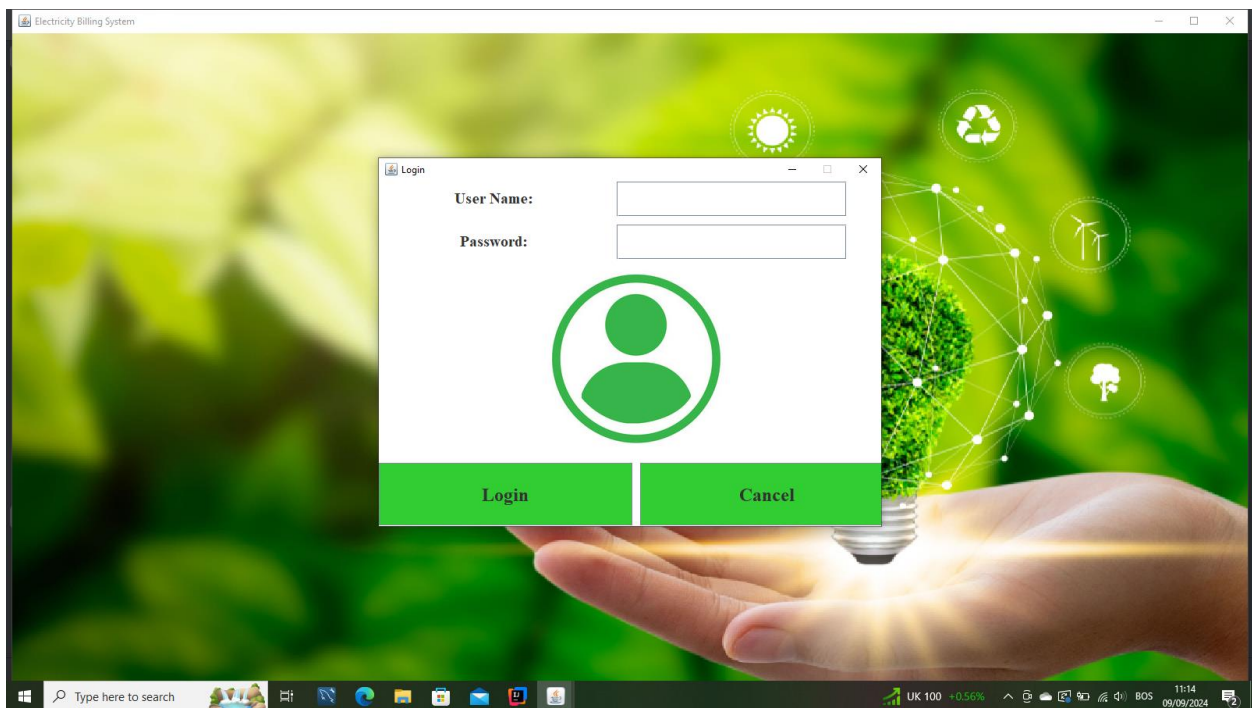


EBS Instructions

(for user)

1. Login window

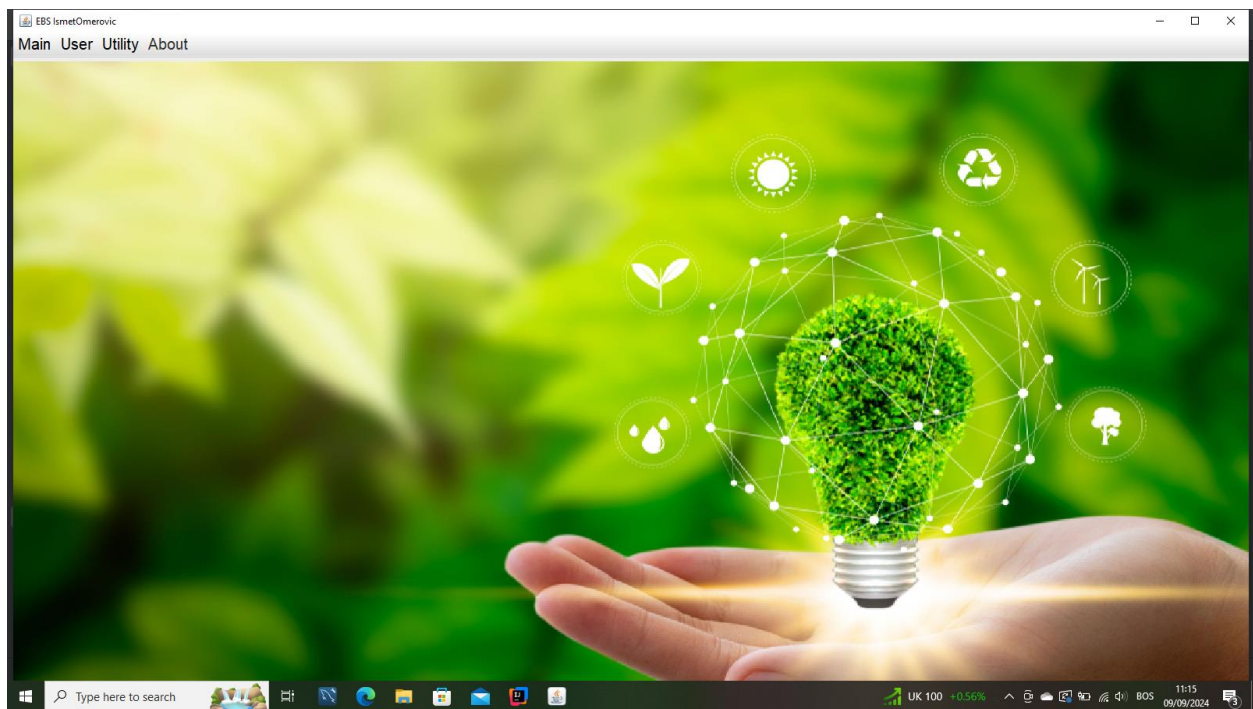


When application starts Login window is displayed.

In the Login window entering username, password and pressing Login button Main window is displayed.

Cancel button closes application.

2. Main window



In the *Main* window there is *menu-bar* in the top left corner.

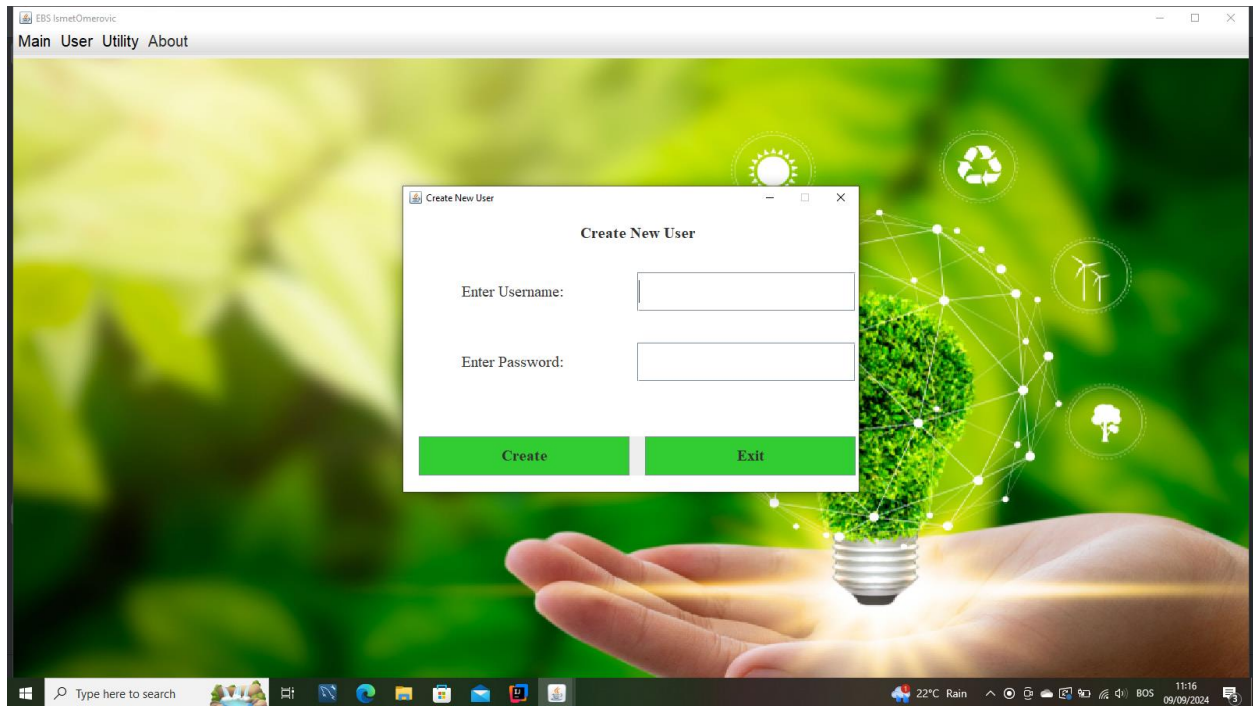
Menu-Bar enables navigation in the application.

3.Create New Customer window

The screenshot displays a software application window titled "EBS IsmetOmerovic" with a menu bar containing "Main", "User", "Utility", and "About". The main content area features a "New Customer" dialog box. This dialog box has a title bar and a list of input fields on the right, each preceded by a label on the left: "Name", "Address:", "City:", "Country", "Email:", "Phone:", "Contract No", "Meter No", "Debt Balance", and "Tax Id". To the left of these fields is a black silhouette of a person holding a document. At the bottom of the dialog box are two green buttons labeled "Create" and "Exit". The background of the application window is a vibrant green image of a hand holding a glowing lightbulb, with several circular icons floating around it, including a recycling symbol, a wind turbine, and a tree. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including the date and time (11:16, 09/09/2024).

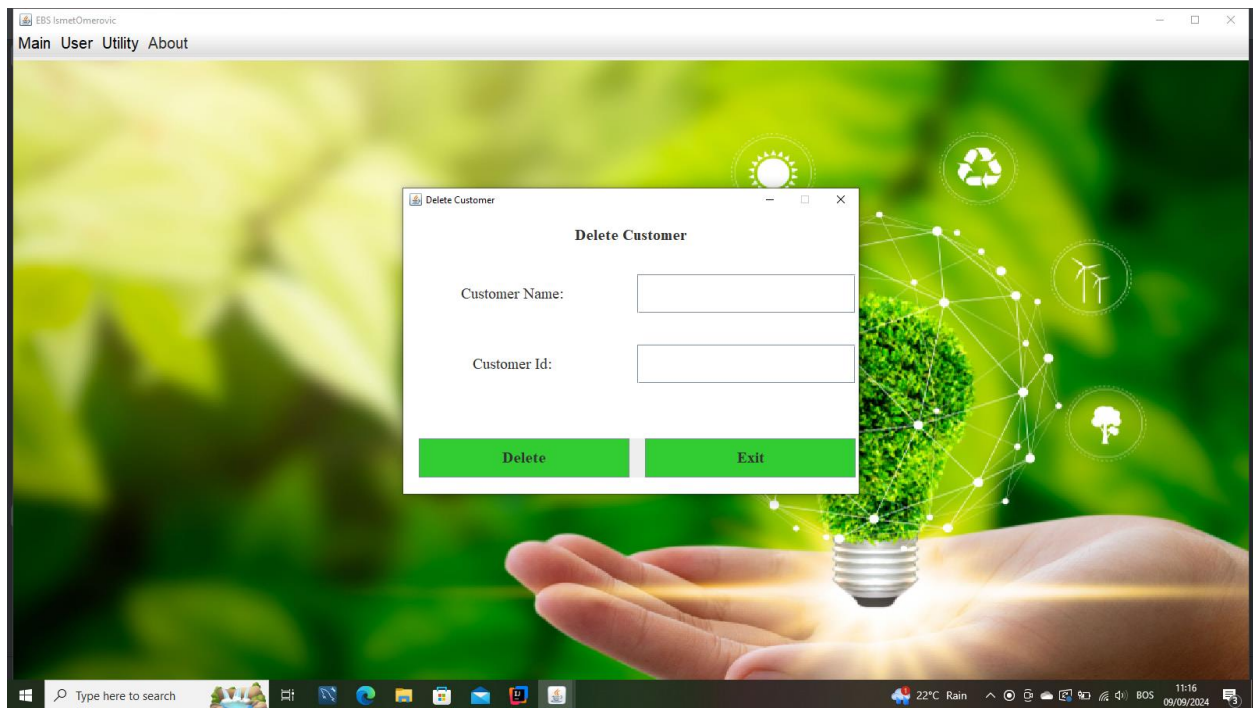
New customer window offers an option to create new customer.

4. Create New User



Create New User offers option to create new user.

5. Delete Customer



Delete customer offers option to delete customers.

6. Gui Bill window

The screenshot shows a Windows application titled "Generate Bill". The main window has a green header with "ELECTRICITY BILL" and two lightning bolt icons. Below the header, there are fields for "Issue Date" (09-09-2024) and "For month" (January). The window is divided into several sections:

- PRINCIPAL:** Fields for Name (Ismet Omerovic), Address (Gradacacka bb), and two BANK fields with masked numbers.
- RECEIVER:** Fields for Transaction account number (00000000000001), Reference number (151), Amount (55.34), Area of supply (Sarajevo), and Address and Place (Gradacacka bb, Sarajevo).
- Customer Details:** A section with fields for Name, Address, City, Country, Email, Phone, Meter No, Tax type, Read Date, Issue Date, Deadline Date, and Payment Date.
- Electricity:** A table showing item types, quantities, prices, and amounts.
- Summary:** Fields for Amount without tax, Tax 17.00%, and Total.
- Find Customer:** A section with fields for Customer Id (20) and Customer name (Ismet Omerovic), and a "Find" button.
- Buttons:** A row of buttons at the bottom: "<< January >>", "PayBill", "PayAmount", "<<<SetBill", "PrintBill", "GenBill", and "Exit".

Item type	Quantity	Price (KM)	Amount (KM)
Energy off-peak	100	0.17	17.00
Energy on-peak	100	0.21	21.00
Meter rent			3.00
Service rent			7.00
Tier rate			-3.8

Amount without tax:	38.00
Tax 17.00%:	9.4078
Total :	55.34

Gui Bill offers many options.

First few are *viewing*, *setting* bill, finding customer details.

Buttons in the bottom left are for for opening other windows en exiting from this one.

7. Customer Details

Find Customer

Customer's Id:

Name:

Customer Details

Customer's Id:

Name:

Address:

City:

Country:

Email:

Phone:

Contract No:

Meter No:

Debt Balance:

This option is for review customer details.

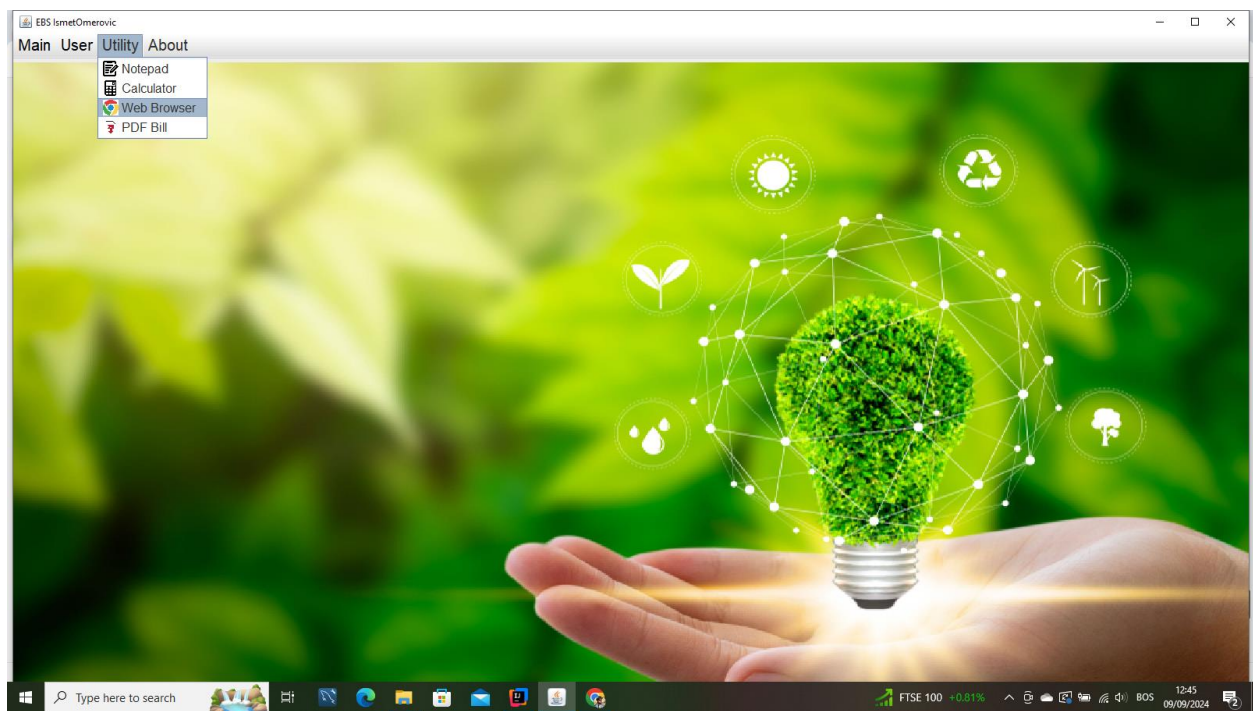
8. Bill Table

units_off/Peak	units_On/Peak	read_date	issue_date	payment_date	deadline_date	month	offPeakAmo...	onPeakAmo...	amount	invoice_status	customerName
100	100	05.01.2024	15.01.2024	08-09-2024	25.01.2024	January	17.00	21.00	55.34	true	Ismet Omerovic
200	200	05.02.2024	15.02.2024	09-09-2024	25.02.2024	February	34.00	42.00	99.16	true	Ismet Omerovic
200	200	05.03.2024	15.03.2024	--	25.03.2024	March	34.00	42.00	99.16	false	Ismet Omerovic
100	100	05.04.2024	15.04.2024	--	25.04.2024	April	17.00	21.00	55.34	false	Ismet Omerovic
0	0	05.05.2024	15.05.2024	--	25.05.2024	May	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.06.2024	15.06.2024	--	25.06.2024	June	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.07.2024	15.07.2024	--	25.07.2024	July	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.08.2024	15.08.2024	--	25.08.2024	August	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.09.2024	15.09.2024	--	25.09.2024	September	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.10.2024	15.10.2024	--	25.10.2024	October	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.11.2024	15.11.2024	--	25.11.2024	November	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.12.2024	15.12.2024	--	25.12.2024	December	0.00	0.00	0.00	false	Ismet Omerovic
0	0	05.01.2024	15.01.2024	--	25.01.2024	January	0.00	0.00	0.00	false	Alen Botic
0	0	05.02.2024	15.02.2024	--	25.02.2024	February	0.00	0.00	0.00	false	Alen Botic
0	0	05.03.2024	15.03.2024	--	25.03.2024	March	0.00	0.00	0.00	false	Alen Botic
0	0	05.04.2024	15.04.2024	--	25.04.2024	April	0.00	0.00	0.00	false	Alen Botic
0	0	05.05.2024	15.05.2024	--	25.05.2024	May	0.00	0.00	0.00	false	Alen Botic
0	0	05.06.2024	15.06.2024	--	25.06.2024	June	0.00	0.00	0.00	false	Alen Botic
0	0	05.07.2024	15.07.2024	--	25.07.2024	July	0.00	0.00	0.00	false	Alen Botic
0	0	05.08.2024	15.08.2024	--	25.08.2024	August	0.00	0.00	0.00	false	Alen Botic
0	0	05.09.2024	15.09.2024	--	25.09.2024	September	0.00	0.00	0.00	false	Alen Botic
0	0	05.10.2024	15.10.2024	--	25.10.2024	October	0.00	0.00	0.00	false	Alen Botic
0	0	05.11.2024	15.11.2024	--	25.11.2024	November	0.00	0.00	0.00	false	Alen Botic
0	0	05.12.2024	15.12.2024	--	25.12.2024	December	0.00	0.00	0.00	false	Alen Botic

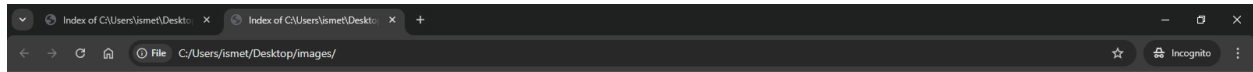
Bill Table option displays bills from customers.

9. Utility (options Notepad, Calculator, Web Browser)

From here is possible to open tools.



10. Utility PDF bill



Index of C:/Users/ismet/Desktop/images/

[\[parent directory\]](#)

Name	Size	Date modified
jan.pdf	356 kB	09/09/2024, 11:18:41




PrintBill 1 / 1 125% + -

C:/Users/ismet/Desktop/images/jan.pdf


1

ELECTRICITY BILL

**ELECTRICITY COMPANY**

Date of payment

Signature of the principal

**ELECTRICITY COMPANY**

BASE
Issue Date: 09-09-2024 Form month: January

PRINCIPAL
Name: IsmetOmerovic
Address: Gradacacka bb
BANK1: XXXXXXXXXXXX1
BANK2: XXXXXXXXXXXX2

RECEIVER
Transaction account number: 0000000000001
Reference number: 151
Amount: 55.34
Area of supply: Sarajevo
Address and Place: Gradacacka bb, Sarajevo

BASE
Issue Date: 09-09-2024 For month: January
AMOUNT: 55.34
Reference number: 151
Name: Ismet Omerovic
Address: Gradacacka bb
Address and place: Gradacacka bb, Sarajevo

Customer Details
Name: Ismet Omerovic
Address: Gradacacka bb
City: Sarajevo
Country: BiH
Email: ismet.omerovic1988@gmail.com
Phone: +387 61 634938
Meter No: 2
Tax type: private
Read Date: 05.01.2024
Issue Date: 15.01.2024
Deadline Date: 25.01.2024
Payment Date: 08-09-2024

Electricity

Item type	Quantity	Price (KM):	Amount (KM)
Energy off-peak	100	0.17	17.00
Energy on-peak	100	0.21	21.00
Meter rent			3.00
Service rent			7.00
Tier rate			-3.8

Amount without tax: 38.00
Tax 17.00%: 9.4078
Total: 55.34

PrintBill option in the gui bill will enable opening in browser, printing bill and viewing same from Utility-Menu Bar-PDF bill

Technologies used in project:

- Java Programming language (javaSwing Library, java AWT)
- MySql database
- Jakarta Persistence
- ORM Hibernate
- IntelliJ IDE with Apache Maven