

Assignment 04

You have to develop Electricity Bill Calculator in java with the help of java AWT/Swing. Let's see the screenshot of this GUI application.

The screenshot shows a Java Swing window titled "ECB | Bill Calc App". The window contains a form titled "Electricity Bill Calculator". The form is divided into three main sections: "ECB Customer", "Bill Data", and "ECB Bill Summary".

ECB Customer section includes:

- Customer Id: A dropdown menu with "--Select Customer's Id--".
- Full Name: A text input field.
- Address: A text input field.
- Customer Type: A dropdown menu with "--Select Customer Type--".

Bill Data section includes:

- No of Units: A text input field.
- A "Calculate Bill Summary" button.

ECB Bill Summary section includes:

- Total Unit Charges
- Fuel Adjustments
- Fixed Charge
- Total Bill

*.You have to insert all these Java Swing Components. (JButton, JTextField, JTextArea, JCheckbox,etc.).

*.You can insert any number of customer's id.

*.you have to insert three types of customers. (Domestic, Business and Public customers)

ECB | Bill Calc App

Electricity Bill Calculator

ECB Customer
Customer Id: 1
Full Name: Jayasena Hettihewa
Address: No 22, RiverSide Road, Badulla
Customer Type: Domestic

Bill Data
No of Units: 220
Calculate Bill Summary

ECB Bill Summary
Total Unit Charges
Fuel Adjustments
Fixed Charge
Total Bill

*.Next you have to get customer details like this way and also you have to display ECB bill summary under this text area.

ECB | Bill Calc App

Electricity Bill Calculator

ECB Customer

Customer Id

3

Full Name

Thilan Navindra

Address

No 102, Kailagoda, Badulla

Customer Type

Business

Bill Data

No of Units

220

Calculate Bill Summary

ECB Bill Summary

Total Unit Charges	Rs. 2376.00
Fuel Adjusments	10%
Fixed Charge	Rs. 200.00
Total Bill	Rs. 2813.60

ECB | Bill Calc App

Electricity Bill Calculator

ECB Customer

Customer Id

1

Full Name

Jayasena Hettihewa

Address

No 22, RiverSide Road, Badulla

Customer Type

Domestic

Bill Data

No of Units

220

Calculate Bill Summary

ECB Bill Summary

Total Unit Charges

Rs. 5323.50

Fuel Adjusments

0%

Fixed Charge

Rs. 540.00

Total Bill

Rs. 5863.50

When you calculate ECB Bill you have to follow these conditions

01. Per unit charge is like these way,
 - To Domestic customers - Rs.24.20
 - To Business customers – Rs.10.80
 - To public customers—Rs.12.40
02. Fuel Adjustment is added to bill payment like these way,
 - To Domestic customers – 0%
 - To Business customers –10%
 - To public customers—5%
03. Fixed charge is added to bill payment like these way,
 - To Domestic customers - Rs.540.00
 - To Business customers – Rs.200.00
 - To public customers—Rs.350.00
04. Total bill is added these three things together above mentioned.