

Rapid Application Development

Practical Exercise - 05

1. Implement the following application using NetBeans IDE

Figure 1: New Order Interface for English

In the “New Order” interface, “Back to Menu” is a button and by clicking it, user can disappear current window and open the “Main Menu” interface again and “Customer Information”, “Product Details” and “Order Details” are different sections which can be implemented using Panel Swing Container.

The functionalities of those sections are as follows,

- “Customer Information” panel:
 - In this panel, “Select a Customer” is a combo box and values for that combo box should be loaded from the given database. Here, it will be the “CustomerId” in “Customer” table.
 - “Name”, “Address” and “Customer Type” are read-only text fields.
 - After user selects a customer id, the text field values should be loaded automatically from the database.
- “Product Details” panel:
 - In this panel, “Select a Product” is a combo box and values for that combo box should be loaded from the given database. Here, it will be the “ProductId” in “Product” table.
 - “Product Name”, “Stock Quantity” and “Price per Unit” are read-only text fields and after user selects a product id, the text field values should be loaded automatically from the database.

- “Order Details” panel:
 - User can enter the quantity in to the text field available in this panel and click on the “Create Order” button.
 - If the user entered quantity exceeds the quantity in the stock, the application should show a message like “Sorry, the quantity ordered exceeds our inventory” . ‘
 - Else, application should show a message like, “Your order is processed successfully” to the user and store order details to the “order” table in the given database (You can download the database table creation query file (shop.txt) from the CMS).

Now Internationalize your application using Java Internationalization concepts. After Internationalizing your application, add Sinhala or Tamil locale into your application to localize it into Sinhala or Tamil. Following is the Sinhala application interface after doing the localization.

Figure 2: New Order Interface for Sinhala