



Cash Register Application

SOFE 3650U: Software Design and Architecture

Fall 2022

Assignment 2

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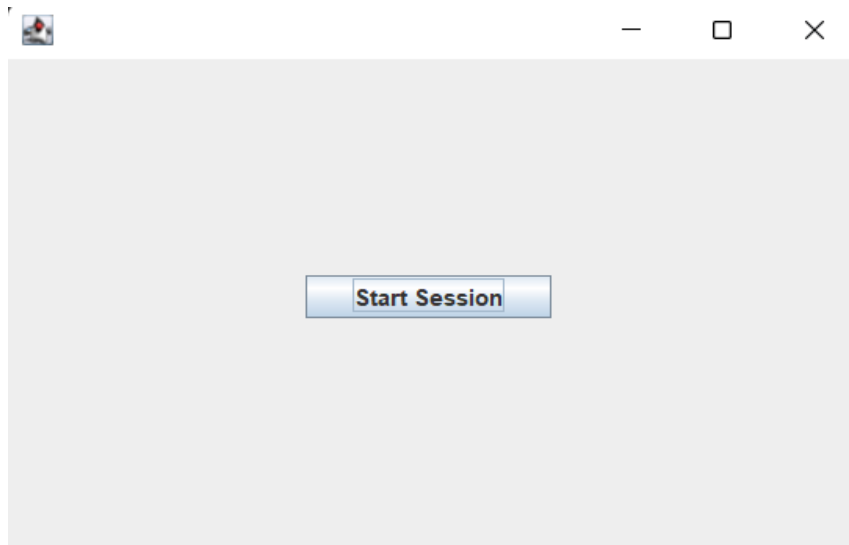
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Monday, October 31st, 2022

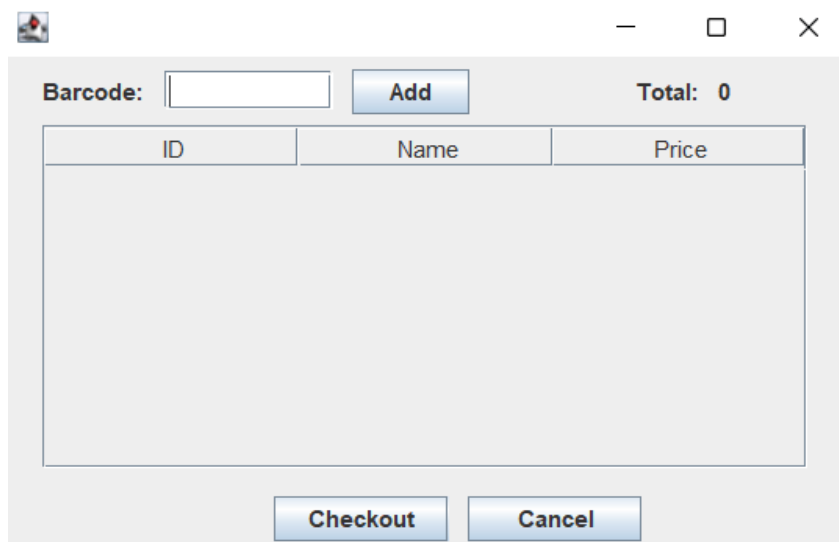
Execution Instructions:

1. Download eclipse and download the project
2. After successful install, click on 'File' > 'Import' > 'General' > 'Existing Projects into Workspace'
3. Select the 'code' directory from the project
4. Run the 'Display.java' file which contains the main method

Initial Screen/ Start Session:

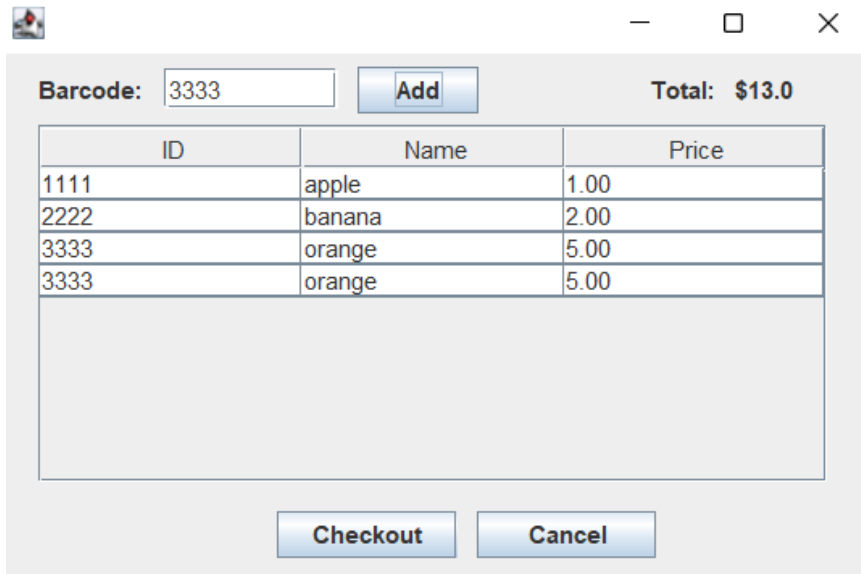


Cash register:

A screenshot of a Java Swing window titled "Cash register". The window has a standard title bar with a small icon on the left and minimize, maximize, and close buttons on the right. The main content area is a light gray rectangle. At the top left, there is a label "Barcode:" followed by a text input field. To the right of the input field is a button labeled "Add". At the top right, there is a label "Total: 0". Below these elements is a table with three columns: "ID", "Name", and "Price". The table is currently empty. At the bottom of the window, there are two buttons: "Checkout" and "Cancel".

ID	Name	Price
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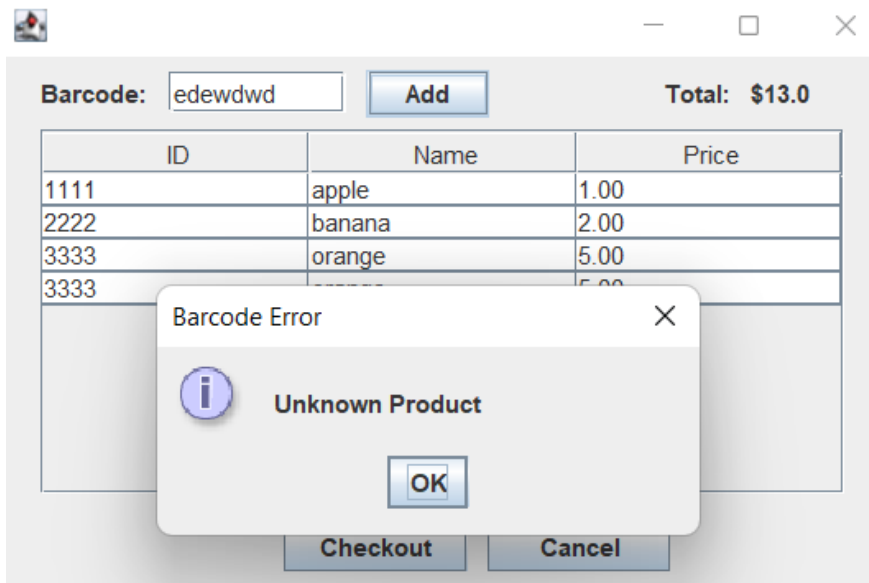
Cash Register with sample items:



A screenshot of a cash register application window. At the top, there is a 'Barcode:' label followed by a text input field containing '3333' and an 'Add' button. To the right, the 'Total: \$13.0' is displayed. Below this is a table with three columns: 'ID', 'Name', and 'Price'. The table contains four rows of data: (1111, apple, 1.00), (2222, banana, 2.00), (3333, orange, 5.00), and (3333, orange, 5.00). Below the table is a large empty rectangular area. At the bottom of the window are two buttons: 'Checkout' and 'Cancel'.

ID	Name	Price
1111	apple	1.00
2222	banana	2.00
3333	orange	5.00
3333	orange	5.00

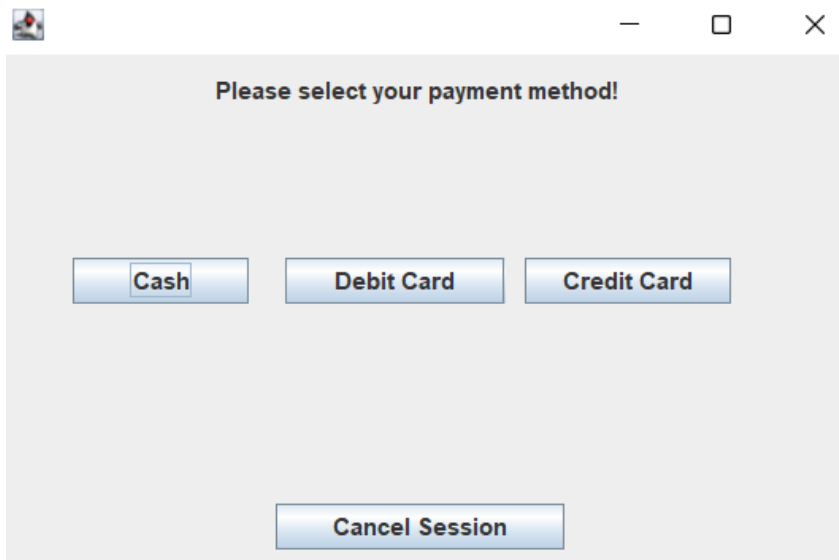
Error displayed when unknown product entered:



A screenshot of the same cash register application window, but with an error dialog box overlaid. The 'Barcode:' input field now contains 'edewdwd'. The error dialog box is titled 'Barcode Error' and has a close button (X). It contains an information icon (i) and the text 'Unknown Product'. At the bottom of the dialog is an 'OK' button. The background application window shows the same table as before, but the 'Total: \$13.0' is still displayed. The 'Checkout' and 'Cancel' buttons are visible at the bottom of the window.

ID	Name	Price
1111	apple	1.00
2222	banana	2.00
3333	orange	5.00
3333	orange	5.00

Select payment method screen:

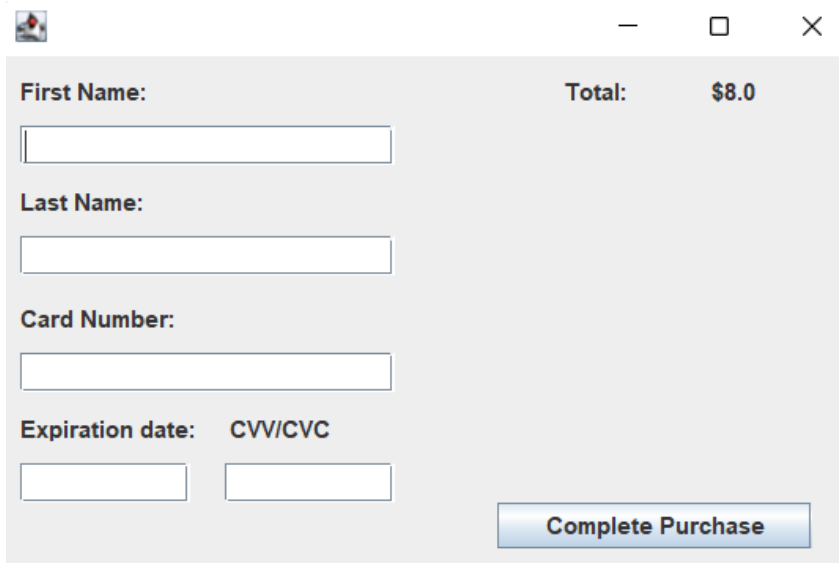


Please select your payment method!

Cash Debit Card Credit Card

Cancel Session

Third Party payment system for credit/debit card:



First Name: Total: \$8.0

Last Name:

Card Number:

Expiration date: CVV/CVC

Complete Purchase

Payment method successful screen:

