



# Cash Register Application

SOFE 3650U: Software Design and Architecture

Fall 2022

Assignment 2

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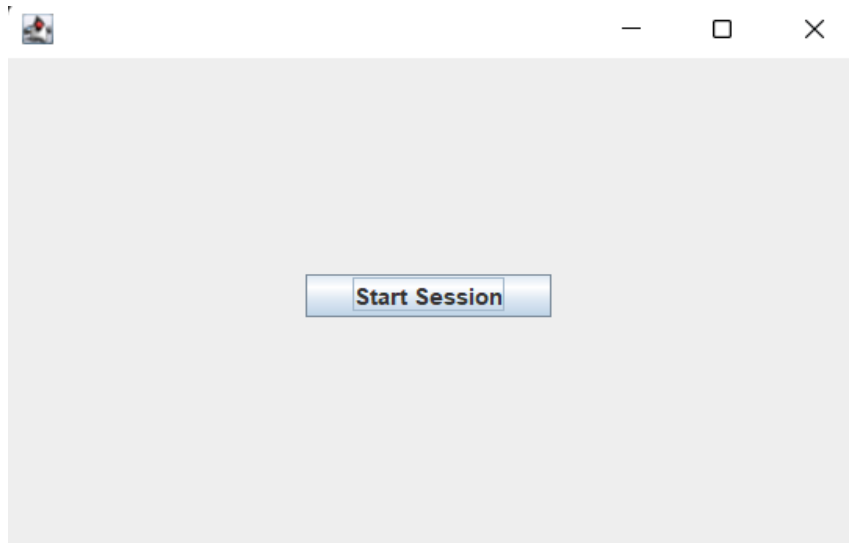
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Monday, October 31st, 2022

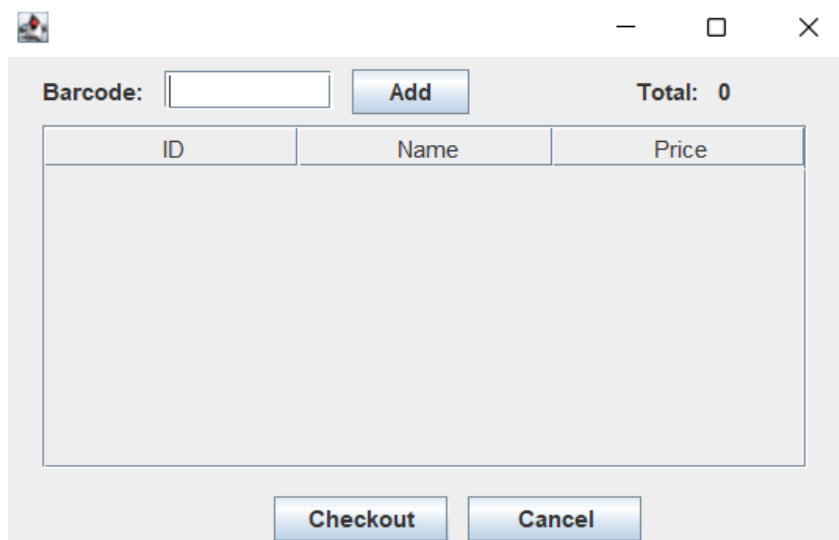
## Execution Instructions:

To execute the program, first download the zipped file from the Github Link. Then, open the file in an IDE and open the display.java file. Run the file using the green play button (Will differ depending on what IDE you are using). The application will open in a separate window and is ready to be used.

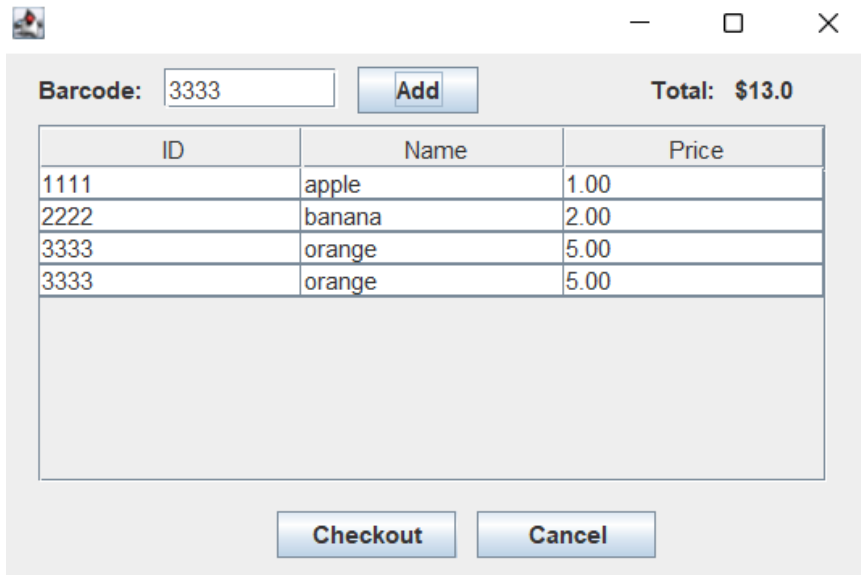
Initial Screen/ Start Session:



Cash register:



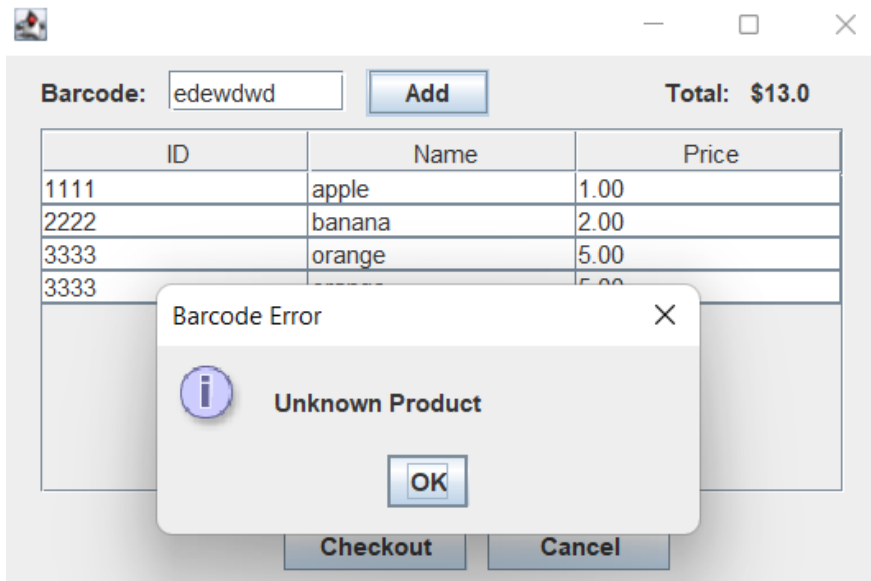
Cash Register with sample items:



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

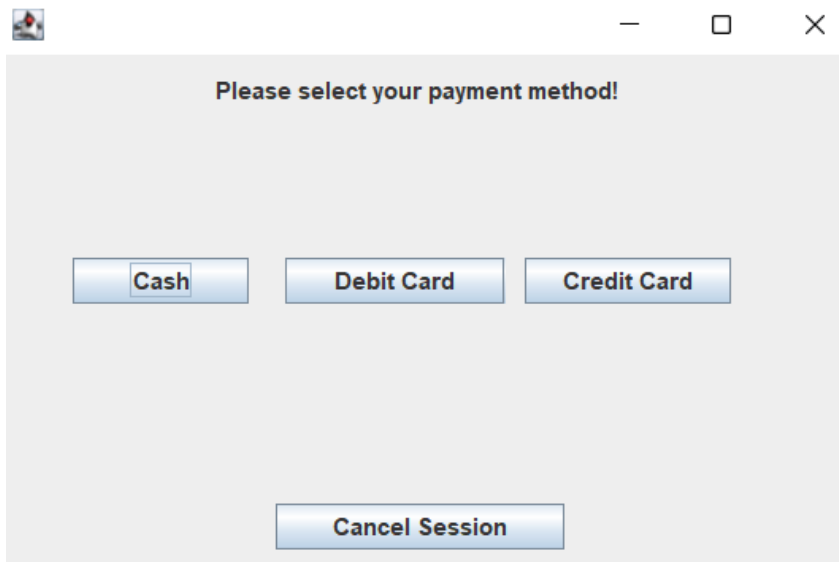
Error displayed when unknown product entered:



A screenshot of the same cash register application window, but with an error dialog box overlaid. The 'Barcode:' input field now contains 'edewdwd'. The 'Total: \$13.0' remains the same. The table below still shows the same four rows of data. 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 'Checkout' and 'Cancel' buttons are still visible at the bottom of the main window.

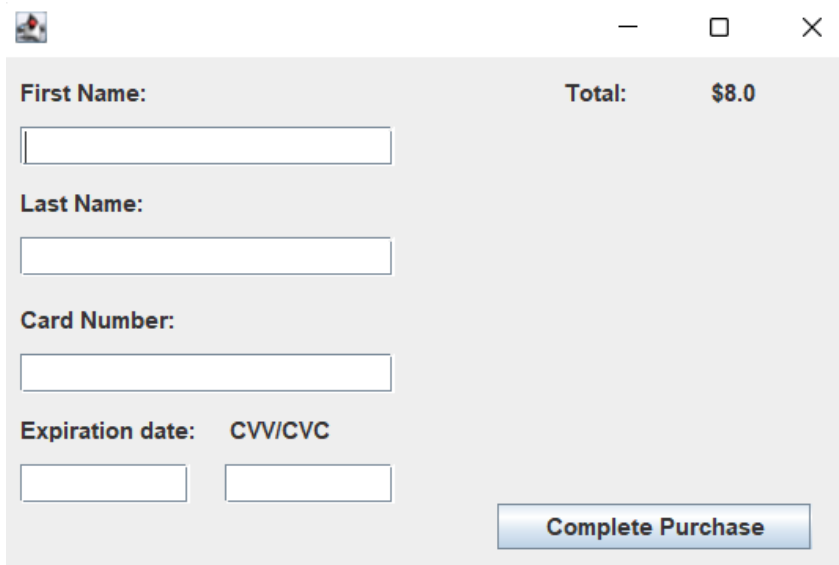
ID	Name	Price
1111	apple	1.00
2222	banana	2.00
3333	orange	5.00
3333	orange	5.00

Select payment method screen:



A screenshot of a software window titled "Please select your payment method!". The window has a standard Windows-style title bar with a small icon on the left and minimize, maximize, and close buttons on the right. The main content area is light gray and contains three buttons arranged horizontally: "Cash", "Debit Card", and "Credit Card". Below these buttons, centered at the bottom, is a button labeled "Cancel Session".

Third Party payment system for credit/debit card:



A screenshot of a software window for a third-party payment system. The window has a title bar with a small icon and standard minimize, maximize, and close buttons. The main content area is light gray and contains the following elements: "First Name:" followed by a text input field; "Last Name:" followed by a text input field; "Card Number:" followed by a text input field; "Expiration date:" followed by two text input fields, with "CVV/CVC" written above the second field; "Total: \$8.0" displayed in the top right corner; and a "Complete Purchase" button at the bottom right.

Payment method successful screen:

