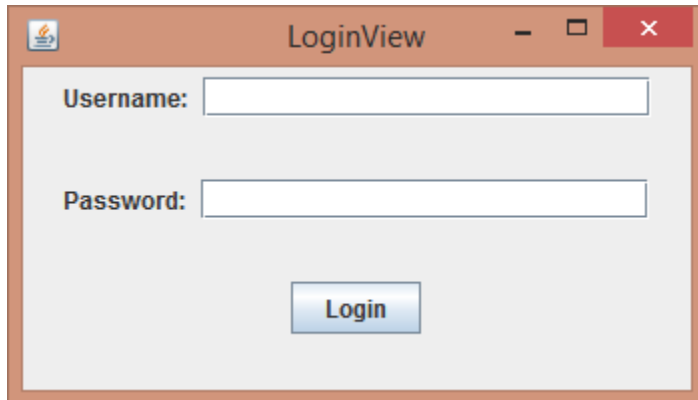


Use Case 1: Login

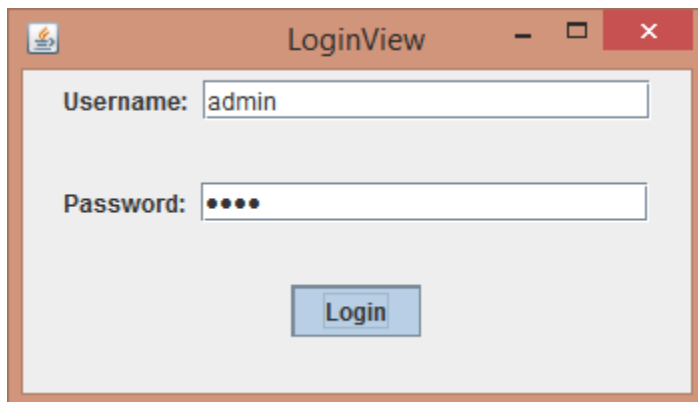
As a user, I want to log into the system.

Welcome to the Store Management System!



The screenshot shows a window titled "LoginView" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there are two text input fields. The first is labeled "Username:" and is empty. The second is labeled "Password:" and is also empty. Below these fields is a blue button with the text "Login".

To log in, type in a valid username and password and click Login. The default user in the system will have the username "admin" and password "0000."



This screenshot shows the same "LoginView" window, but now the "Username:" field contains the text "admin". The "Password:" field contains four black dots, representing a masked password. The "Login" button remains visible below the fields.

After logging in, you will be brought to the Manager Main Screen.

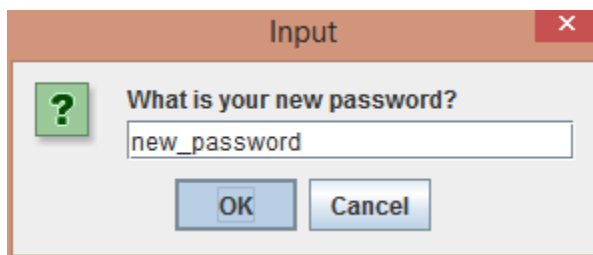
Use Case 2: Change Password

As a user, I want to change my login password.

To change your password, click "Change Password" on the Manager Main Menu. Cashiers can also change their password with the same method.



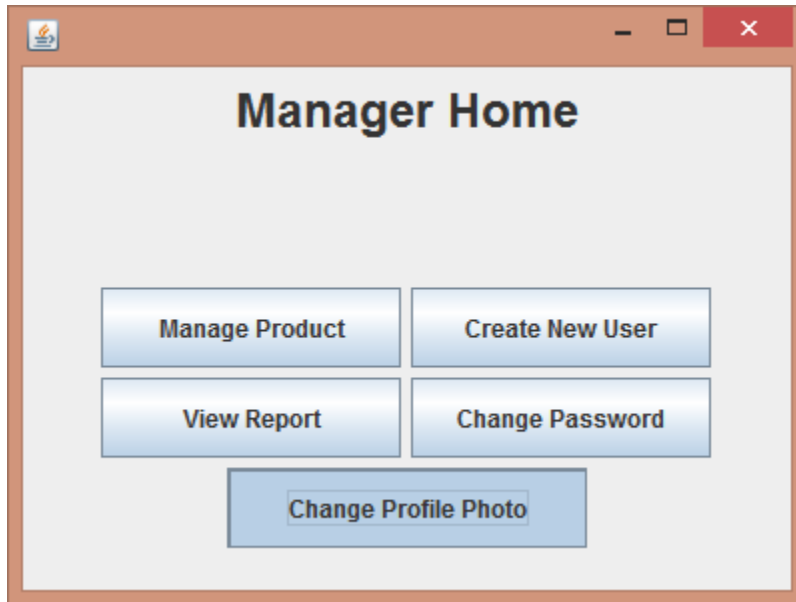
An input dialog will appear. Input your new password into the box and click OK.



Use Case 3: Change Profile Photo

As a user, I want change my profile photo

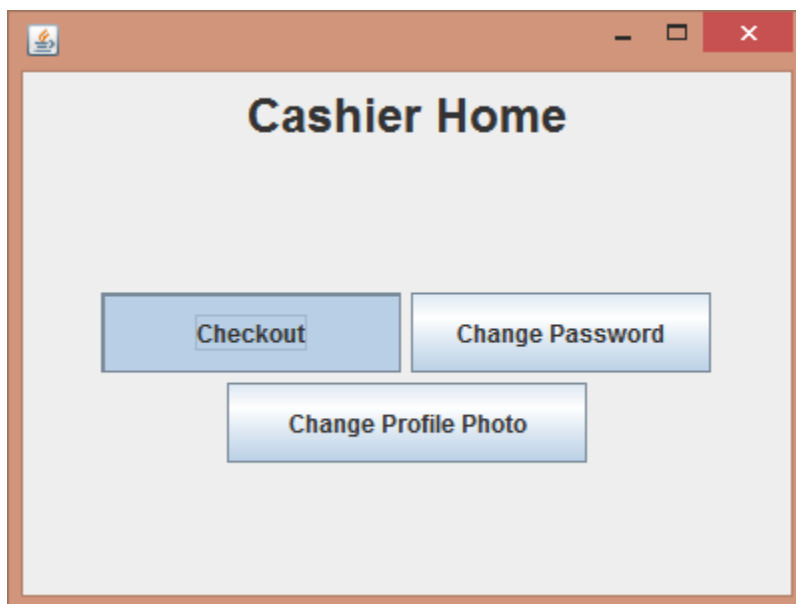
To change your profile photo, click "Change Profile Photo" on the Manager Main Menu. Cashiers can also change their profile photo with the same method.



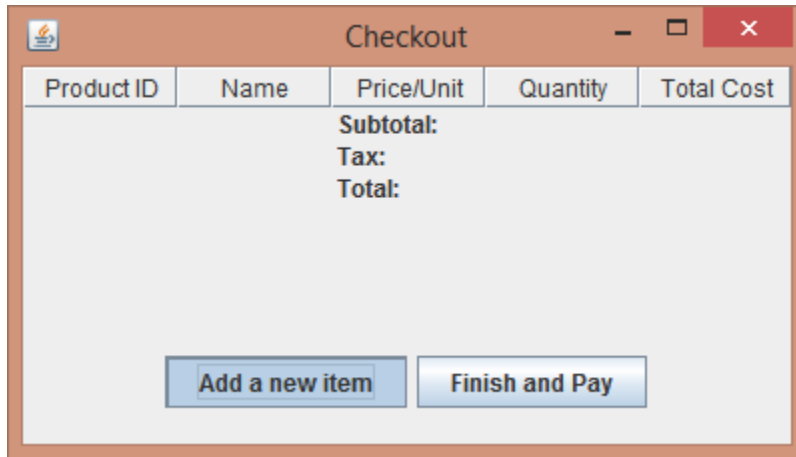
Use Case 4: Checkout

As a cashier, I want to check out an order.

To check out an order for a customer, click "Checkout" on the Cashier Main Screen. You must be logged in as a cashier to complete this task.



This will bring you to the Checkout page where you can view the order and add items to the list. To add a new item, select "Add a new item." This will bring up a window to input the ID of an item.



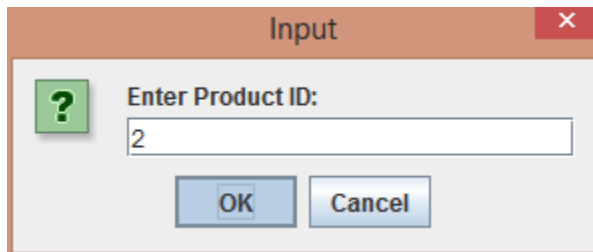
A screenshot of a 'Checkout' window. It features a table with five columns: 'Product ID', 'Name', 'Price/Unit', 'Quantity', and 'Total Cost'. Below the table, there are labels for 'Subtotal:', 'Tax:', and 'Total:'. At the bottom, there are two buttons: 'Add a new item' and 'Finish and Pay'.

Product ID	Name	Price/Unit	Quantity	Total Cost
------------	------	------------	----------	------------

Subtotal:
Tax:
Total:

Add a new item Finish and Pay

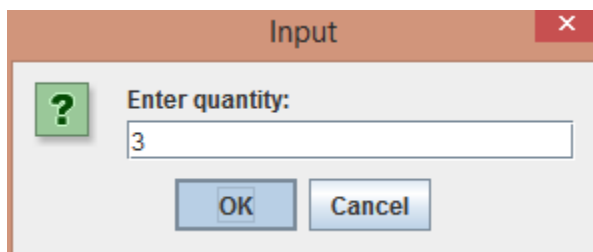
Input the ID of Milk (2) and click OK.



A screenshot of an 'Input' dialog box. It contains a green square with a question mark, the text 'Enter Product ID:', a text box with the value '2', and 'OK' and 'Cancel' buttons.

Enter Product ID:
2
OK Cancel

A new text box will appear and ask you to input the desired quantity of the item that you are purchasing. Input a quantity of 3 and click OK.



A screenshot of an 'Input' dialog box. It contains a green square with a question mark, the text 'Enter quantity:', a text box with the value '3', and 'OK' and 'Cancel' buttons.

Enter quantity:
3
OK Cancel

You will be brought back to the main checkout screen. The screen has been updated with the ID, name, price, quantity, and total cost of your first item. Additionally, the subtotal, tax, and total are now displayed. To add to the order, select "Add a new item" once again.

The 'Checkout' window displays a table with the following data:

Product ID	Name	Price/Unit	Quantity	Total Cost
2	Milk	\$2.99	3	\$8.97

Below the table, the summary is shown:

Subtotal: \$8.97
Tax: \$0.90
Total: \$9.87

At the bottom, there are two buttons: 'Add a new item' and 'Finish and Pay'.

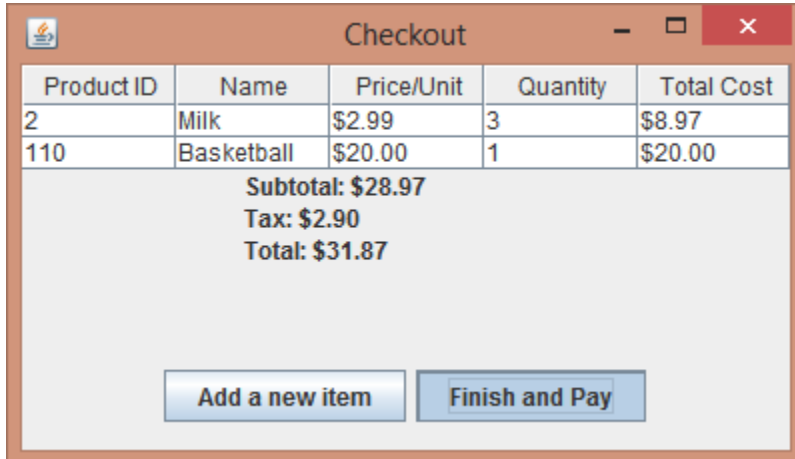
This time, input the ID of Basketball (110) and click OK.

The 'Input' dialog box prompts the user to 'Enter Product ID:'. The text '110' is entered in the input field. There are 'OK' and 'Cancel' buttons at the bottom.

Input a quantity of 1 and click OK.

The 'Input' dialog box prompts the user to 'Enter quantity:'. The number '1' is entered in the input field. There are 'OK' and 'Cancel' buttons at the bottom.

The main checkout screen will once again be updated. The subtotal, tax, and total values now represent the combination of the items on the screen. Now select "Finish and Pay." The next screen will prompt you to enter a payment type.

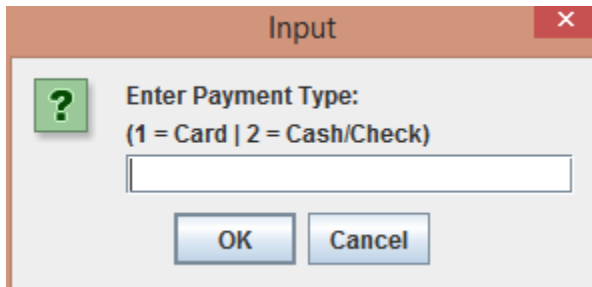


Checkout

Product ID	Name	Price/Unit	Quantity	Total Cost
2	Milk	\$2.99	3	\$8.97
110	Basketball	\$20.00	1	\$20.00

Subtotal: \$28.97
Tax: \$2.90
Total: \$31.87

Input 1 for a card payment or 2 for a cash/check payment and click OK.

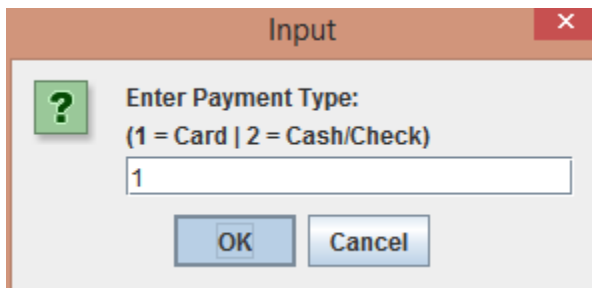


Input

Enter Payment Type:
(1 = Card | 2 = Cash/Check)

4.1) Paying with Card:

To pay with a card, input 1 and then press OK.

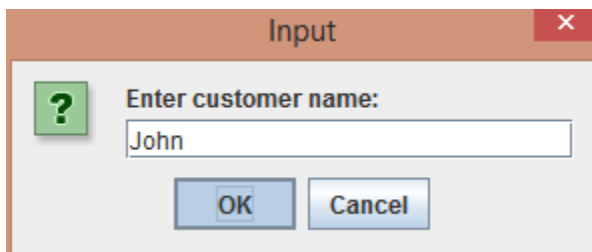


Input

Enter Payment Type:
(1 = Card | 2 = Cash/Check)

1

You will be prompted to input a customer name. It can be up to 30 characters in length. If it exceeds the length, you will receive an error message. Enter the name "John" and click OK.

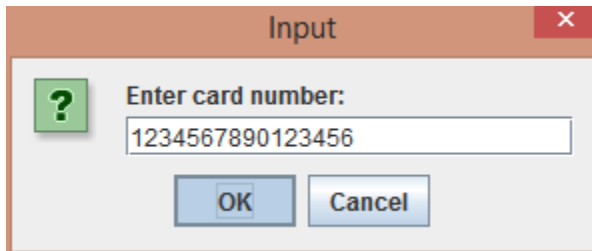


Input

Enter customer name:

John

Now you will be prompted to input a card number. The card number needs to be exactly 16 digits in length; otherwise, you will receive an error message. Enter the number “1234567890123456” and click OK.

An "Input" dialog box with a red title bar and a close button. It contains a green question mark icon, the text "Enter card number:", a text input field containing "1234567890123456", and "OK" and "Cancel" buttons at the bottom.

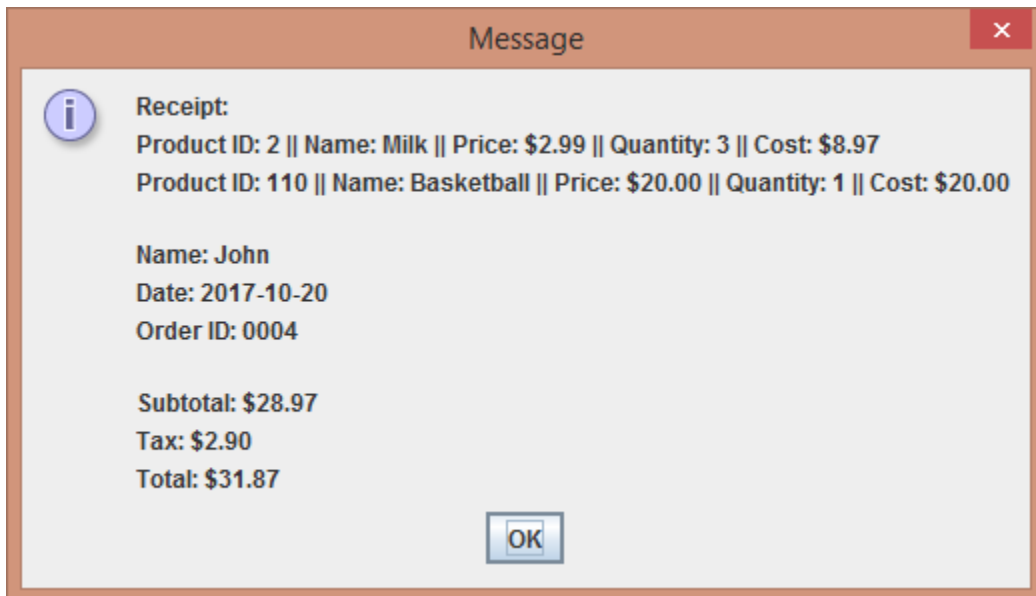
Input

Enter card number:

1234567890123456

OK Cancel

You will now be able to view a receipt of your order. The receipt lists the information of all the products in the order. In addition, it will list the name of the customer, the date of the transaction, the order ID, the subtotal, the tax, and the total amount paid. Note that the date and order ID will vary per order.

A "Message" dialog box with a red title bar and a close button. It contains an information icon, the text "Receipt:", two lines of product information, customer information, and financial totals. An "OK" button is at the bottom right.

Message

Receipt:

Product ID: 2 || Name: Milk || Price: \$2.99 || Quantity: 3 || Cost: \$8.97

Product ID: 110 || Name: Basketball || Price: \$20.00 || Quantity: 1 || Cost: \$20.00

Name: John

Date: 2017-10-20

Order ID: 0004

Subtotal: \$28.97

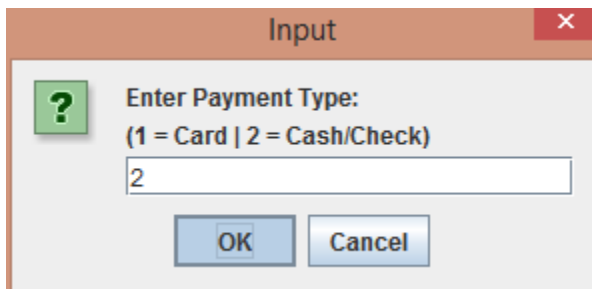
Tax: \$2.90

Total: \$31.87

OK

4.2) Paying with cash or check:

To pay with cash/check, input 2 and then press OK.

An "Input" dialog box with a red title bar and a close button. It contains a green question mark icon, the text "Enter Payment Type:", a subtext "(1 = Card | 2 = Cash/Check)", a text input field containing "2", and "OK" and "Cancel" buttons at the bottom.

Input

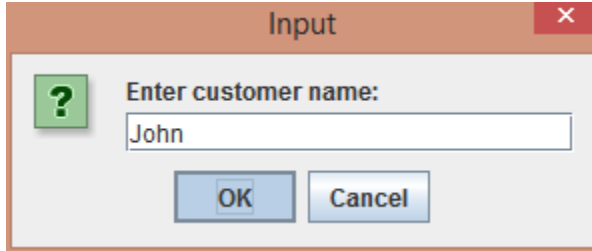
Enter Payment Type:

(1 = Card | 2 = Cash/Check)

2

OK Cancel

You will be prompted to input a customer name. It can be up to 30 characters in length. If it exceeds the length, you will receive an error message. Enter the name “John” and click OK.

A dialog box titled "Input" with a red close button in the top right corner. It contains a green question mark icon, a label "Enter customer name:", a text input field containing the name "John", and two buttons at the bottom: "OK" and "Cancel".

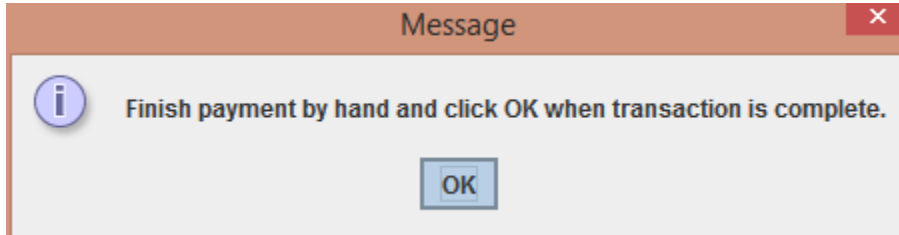
Input

Enter customer name:

John

OK Cancel

A message will appear stating that the transaction is to be completed by hand. Click OK.

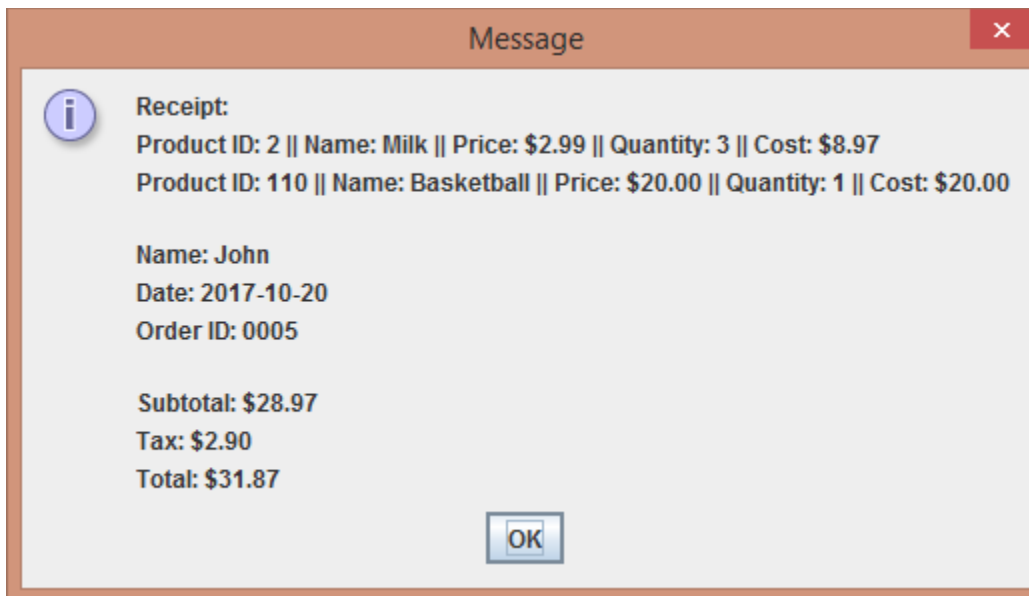
A dialog box titled "Message" with a red close button in the top right corner. It contains a blue information icon, a message text, and an "OK" button at the bottom.

Message

Finish payment by hand and click OK when transaction is complete.

OK

You will now be able to view a receipt of your order. The receipt lists the information of all the products in the order. In addition, it will list the name of the customer, the date of the transaction, the order ID, the subtotal, the tax, and the total amount paid. Note that the date and order ID will vary per order.

A dialog box titled "Message" with a red close button in the top right corner. It contains a blue information icon, a receipt text, and an "OK" button at the bottom.

Message

Receipt:

Product ID: 2 || Name: Milk || Price: \$2.99 || Quantity: 3 || Cost: \$8.97
Product ID: 110 || Name: Basketball || Price: \$20.00 || Quantity: 1 || Cost: \$20.00

Name: John
Date: 2017-10-20
Order ID: 0005

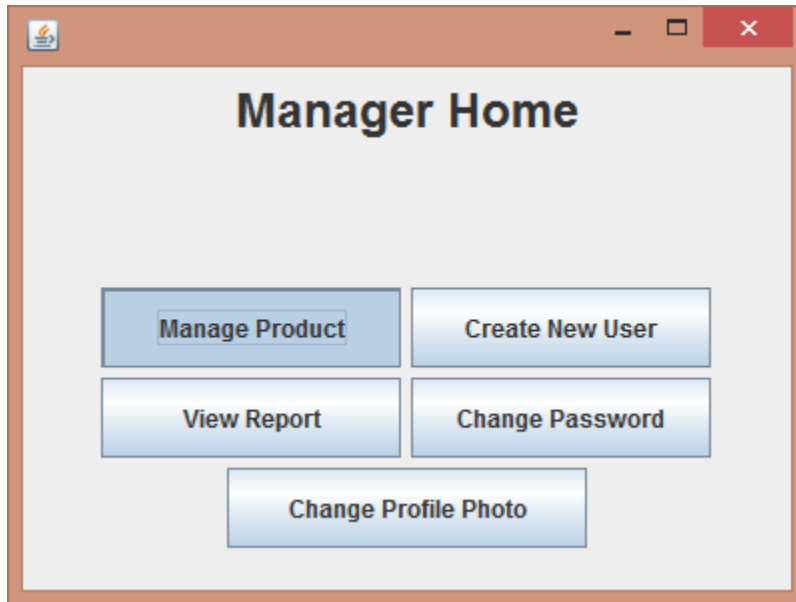
Subtotal: \$28.97
Tax: \$2.90
Total: \$31.87

OK

Use Case 5: Add New Product

As a manager, I want to add a new product to the database.

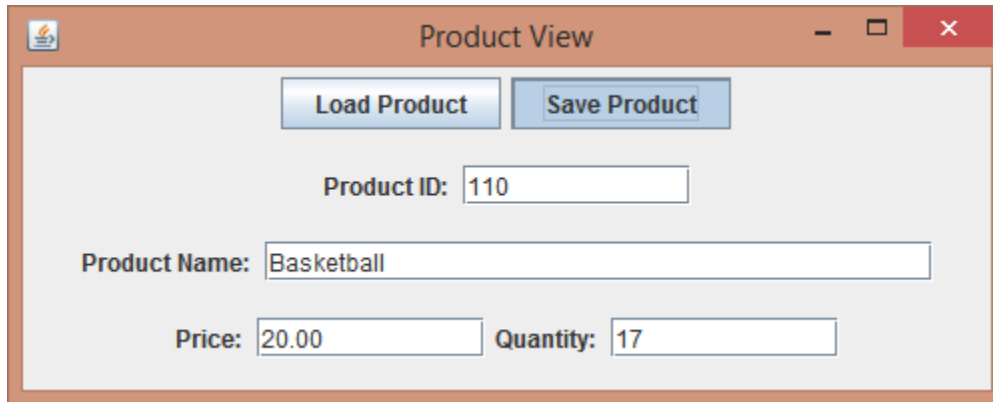
To manage products in the system, click "Manage Product." You must be logged in as a manager to complete this task.



You will now find yourself at the Product View screen. It contains input fields for the product ID, name, price, and quantity.

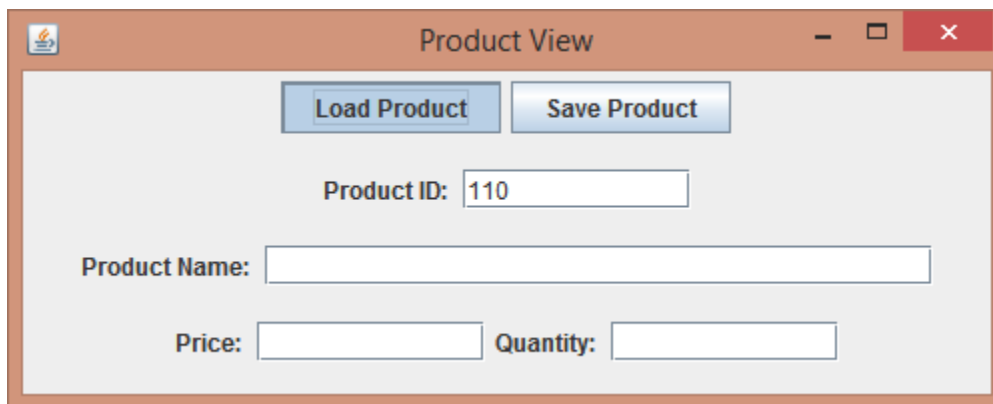
A screenshot of a web application window titled "Product View". The window has a light gray background and a brown border. At the top, there is a title bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area contains two blue buttons at the top: "Load Product" on the left and "Save Product" on the right. Below these buttons are four input fields. The first is labeled "Product ID:" and is a single-line text box. The second is labeled "Product Name:" and is a wider single-line text box. The third and fourth are labeled "Price:" and "Quantity:" respectively, and are single-line text boxes. The "Price:" and "Quantity:" labels are positioned to the left of their respective input boxes.

To add a new product to the database, you must input valid values into every data entry box. For a new item to be added, you can only input a product ID that is not currently in use; otherwise, the existing product under that ID will be updated. In the following example, the product ID is 110, the name is Basketball, the price is \$20.00, and the quantity is 17. Input these values and then click "Save Product."



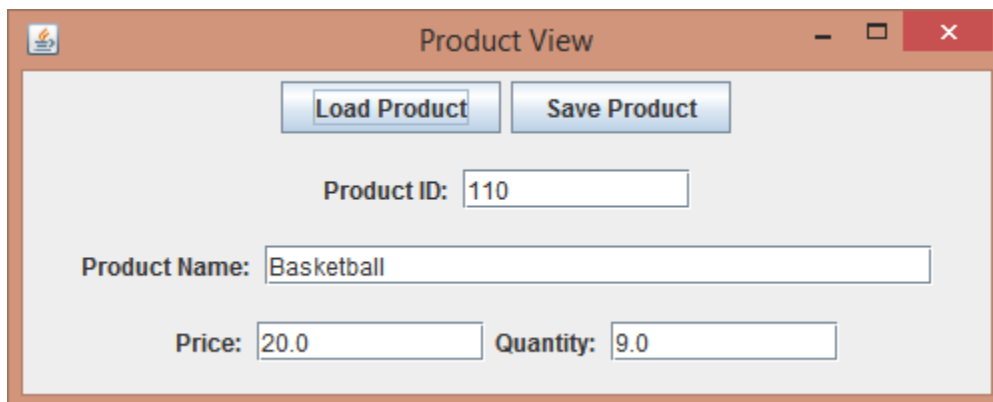
The screenshot shows a window titled "Product View" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there are two buttons at the top: "Load Product" and "Save Product". Below these buttons, there are four input fields. The "Product ID" field contains the value "110". The "Product Name" field contains the value "Basketball". The "Price" field contains the value "20.00". The "Quantity" field contains the value "17".

The database now contains the new item. To ensure that the item has been added, you can load the item by inputting the product ID and selecting "Load Product." Input the ID of Basketball into the Product ID box and leave every other input field blank.



The screenshot shows the "Product View" window after clicking the "Load Product" button. The "Product ID" field still contains "110". However, the "Product Name" field is now empty. The "Price" and "Quantity" fields are also empty.

After selecting Load Product, the rest of the elements will appear.

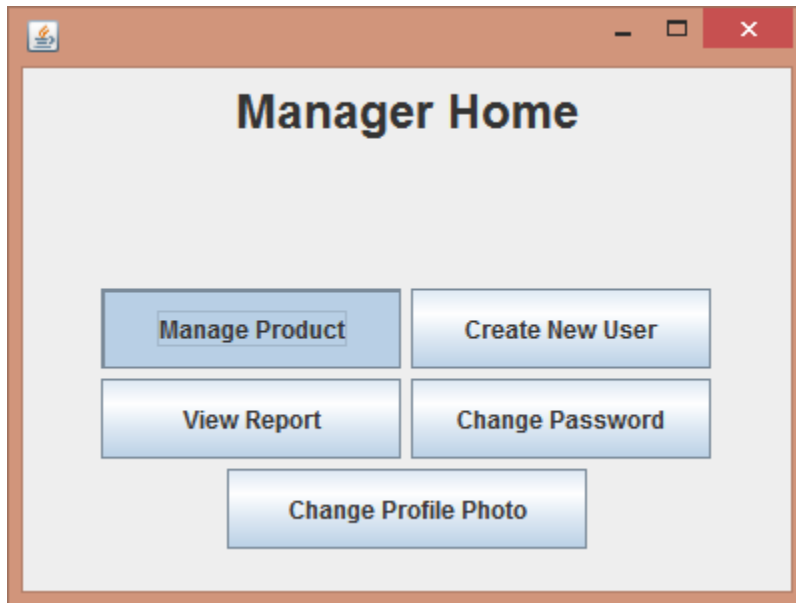


The screenshot shows the "Product View" window after clicking the "Load Product" button again. The "Product ID" field still contains "110". The "Product Name" field now contains "Basketball". The "Price" field contains "20.0" and the "Quantity" field contains "9.0".

Use Case 6: Update Product

As a manager, I want to update a product in the database.

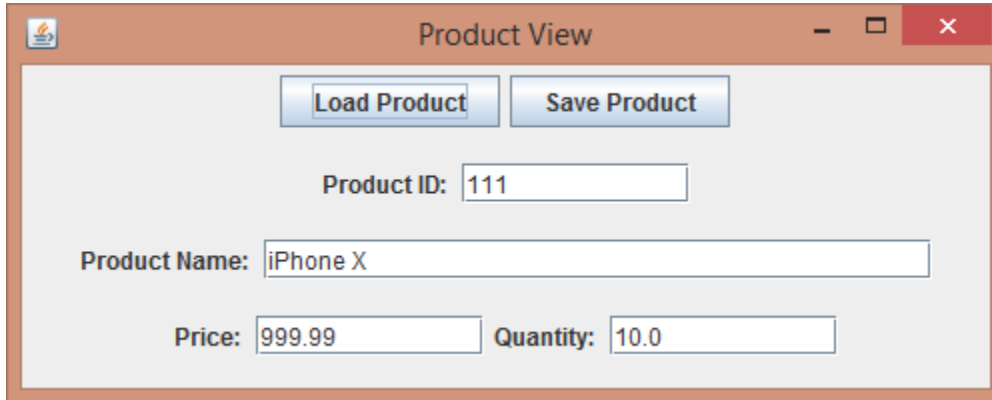
To manage products in the system, click “Manage Product.” You must be logged in as a manager to complete this task.



You will now find yourself at the Product View screen. It contains input fields for the product ID, name, price, and quantity.

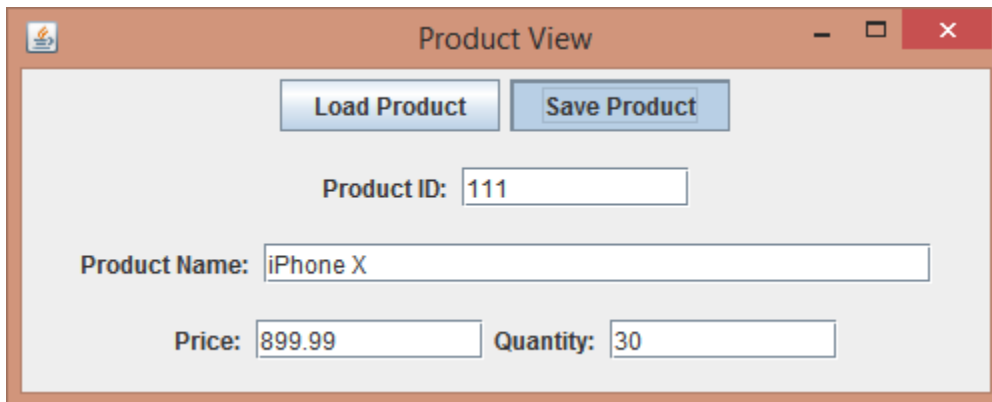
A screenshot of a web application window titled "Product View". The window has a light gray background and a brown border. At the top, the title "Product View" is displayed in a large, bold, black font. Below the title, there are two blue buttons with white text: "Load Product" and "Save Product". Below the buttons, there are four input fields. The first is labeled "Product ID:" and is a small rectangular field. The second is labeled "Product Name:" and is a long rectangular field. The third is labeled "Price:" and is a small rectangular field. The fourth is labeled "Quantity:" and is a small rectangular field. The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

To load and display the information of a product that is already in the database, you must input a product ID that already exists. Input the value of 111 into the Product ID field and then click “Load Product.” The corresponding product’s information will display.



The screenshot shows a window titled "Product View" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there are two buttons at the top: "Load Product" and "Save Product". Below these buttons, the "Product ID" is displayed as "111" in a text box. The "Product Name" is displayed as "iPhone X" in a text box. At the bottom, the "Price" is displayed as "999.99" and the "Quantity" is displayed as "10.0", each in its own text box.

Now, change the price to 899.99 and quantity to 30. To do this, input the new values in the text boxes and click "Save Product." This overrides the data currently in the database with the new information that you've inputted.

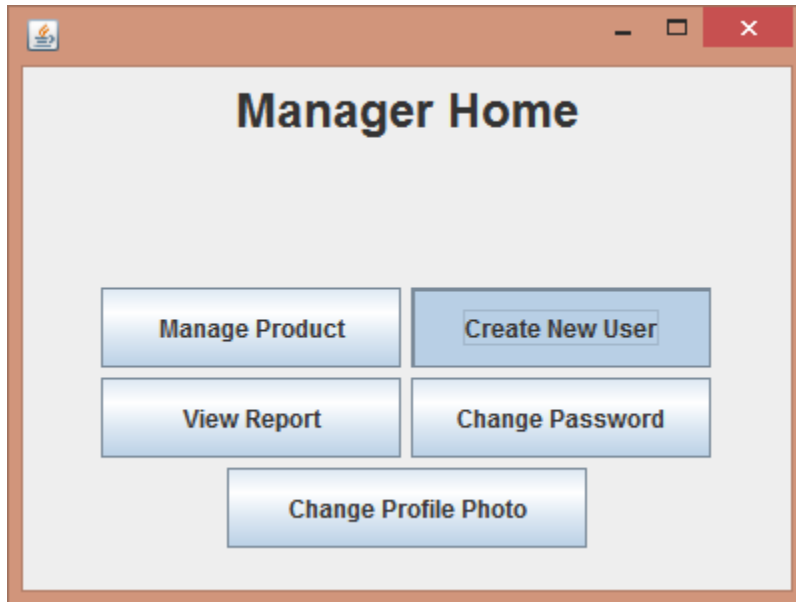


The screenshot shows the same "Product View" window, but with updated values. The "Product ID" remains "111" and the "Product Name" remains "iPhone X". The "Price" has been changed to "899.99" and the "Quantity" has been changed to "30". The "Load Product" and "Save Product" buttons are still present at the top.

Use Case 7: Create User

As a manager, I want to create a new user.

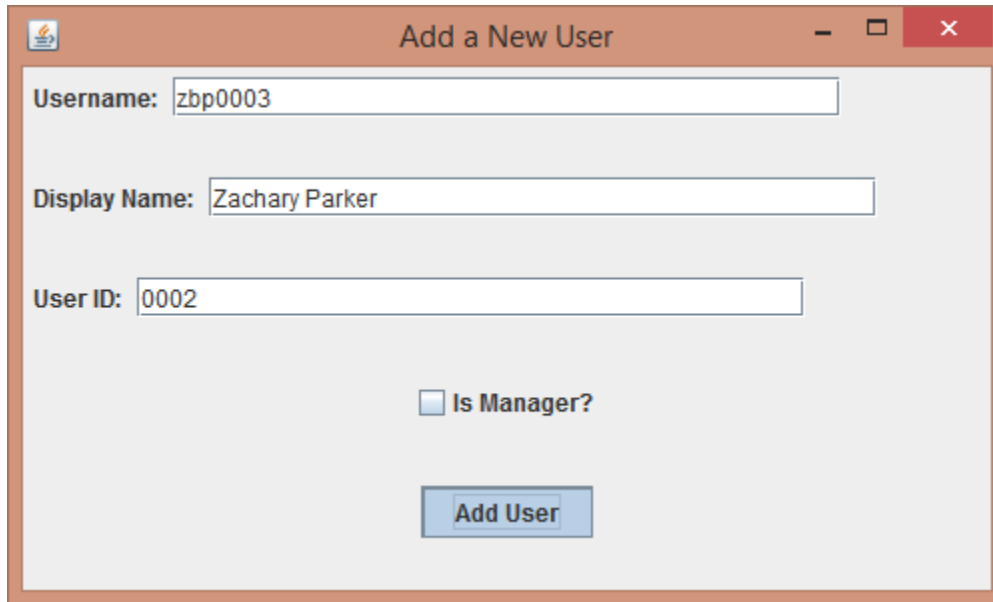
To create a new user, click "Create New User." You must be logged in as a manager to complete this task.



You will now be brought to an "Add a New User" screen. There are input fields for username, display name, and user ID. Additionally, there is a checkbox to decide whether or not the new user is a manager. If they are not selected as a manager, then they will default to the cashier role. Every new user has a default password of "password."

A screenshot of a web application window titled "Add a New User". The window has a light gray background and a brown border. At the top, the title "Add a New User" is displayed in a large, bold, black font. Below the title, there are three input fields: "Username:", "Display Name:", and "User ID:". Each field is followed by a white text input box. Below the input fields, there is a checkbox labeled "Is Manager?". At the bottom center, there is a blue button with white text labeled "Add User". The window includes standard OS controls (minimize, maximize, close) in the top right corner.

Input a username of "zbp0003," a display name of "Zachary Parker," a user ID of 0002, and leave the "Is Manager" box unchecked. Once the fields are filled out, click "Add User." The new user will be added to the database and will be able to log in using their username and default password. They can change their password at a later date.

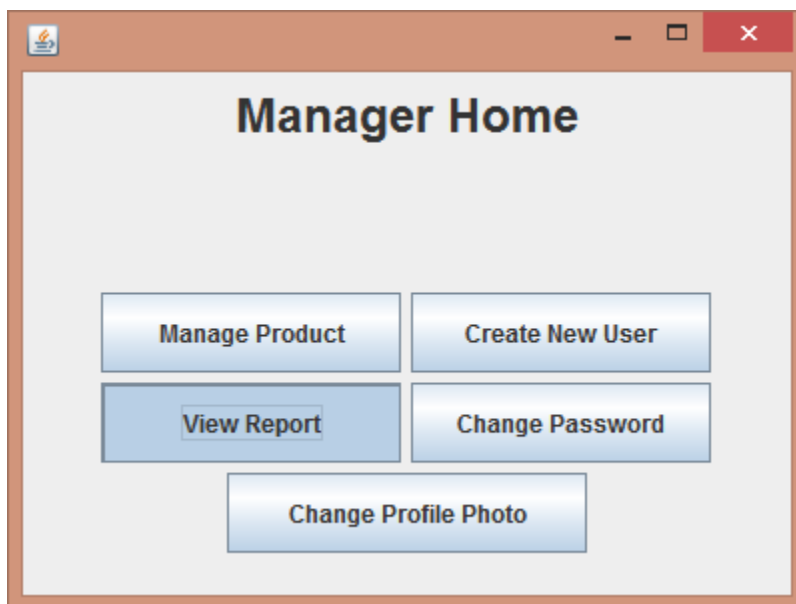


A screenshot of a software window titled "Add a New User". The window has a light gray background and a brown border. It contains three text input fields: "Username:" with the value "zbp0003", "Display Name:" with the value "Zachary Parker", and "User ID:" with the value "0002". Below these fields is a checkbox labeled "Is Manager?" which is currently unchecked. At the bottom center is a blue button labeled "Add User".

Use Case 8: View Business Report

As a manager, I want to view a business report.

To view a business report, click "View Business Report." You must be logged in as a manager to complete this task.



A screenshot of a software window titled "Manager Home". The window has a light gray background and a brown border. It displays five blue buttons with white text: "Manage Product", "Create New User", "View Report", "Change Password", and "Change Profile Photo". The "View Report" button is highlighted with a darker blue border.