



# Warehouse Inventory Program

By **Green Team**

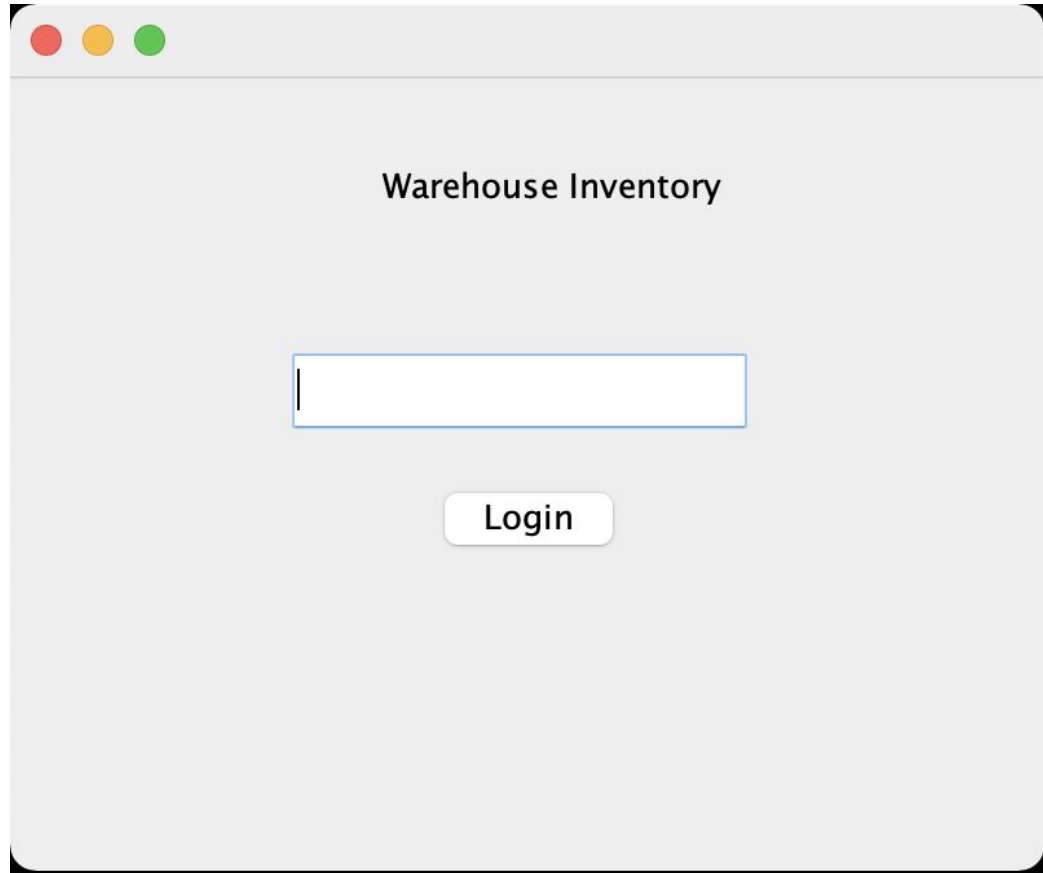
California State University, Long Beach



# Project Contributions

- Min - Login, Customer, Invoice Balance
- Kyle - Products, Invoice interest and discount, Warehouse
- Rutvi - Worked on Invoices and Customer Purchase
- Ryan - Customer Purchase, Product, Customer, Salesperson

# Login

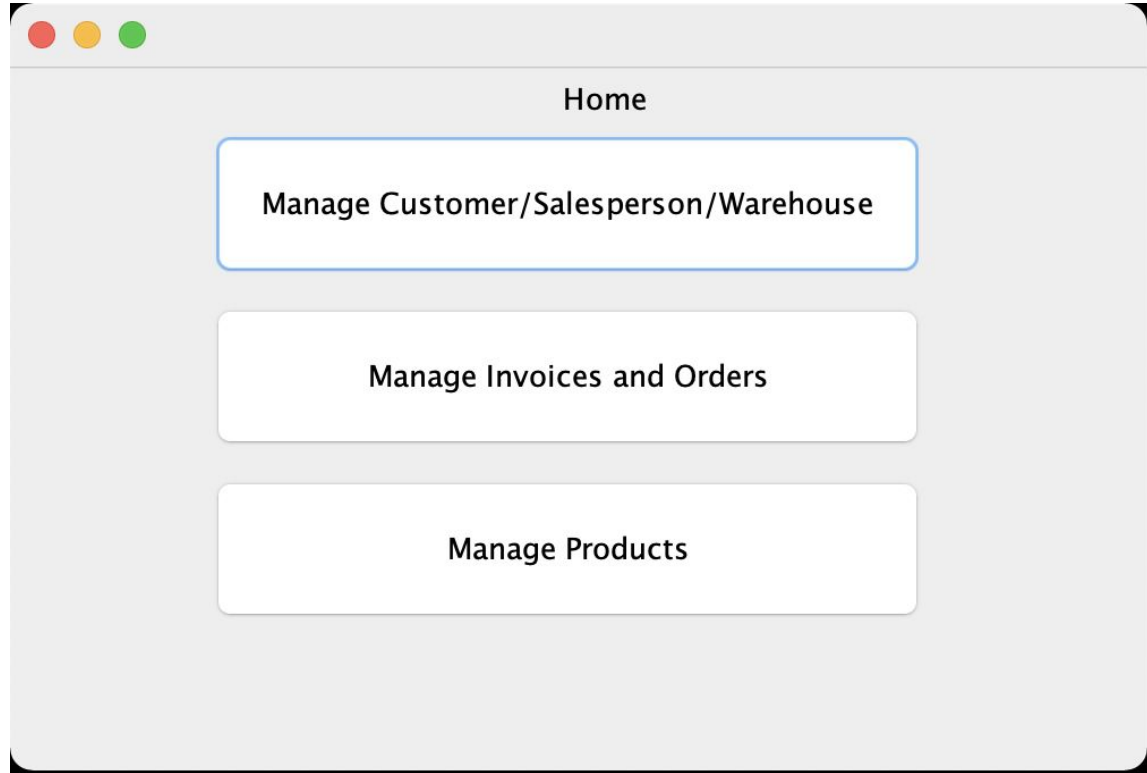


A screenshot of a web application window titled "Warehouse Inventory". The window has a light gray background and a standard macOS-style title bar with red, yellow, and green window control buttons. In the center of the window, the text "Warehouse Inventory" is displayed. Below this text is a white rectangular input field with a blue border. At the bottom center of the window is a white button with rounded corners and a gray shadow, labeled "Login".

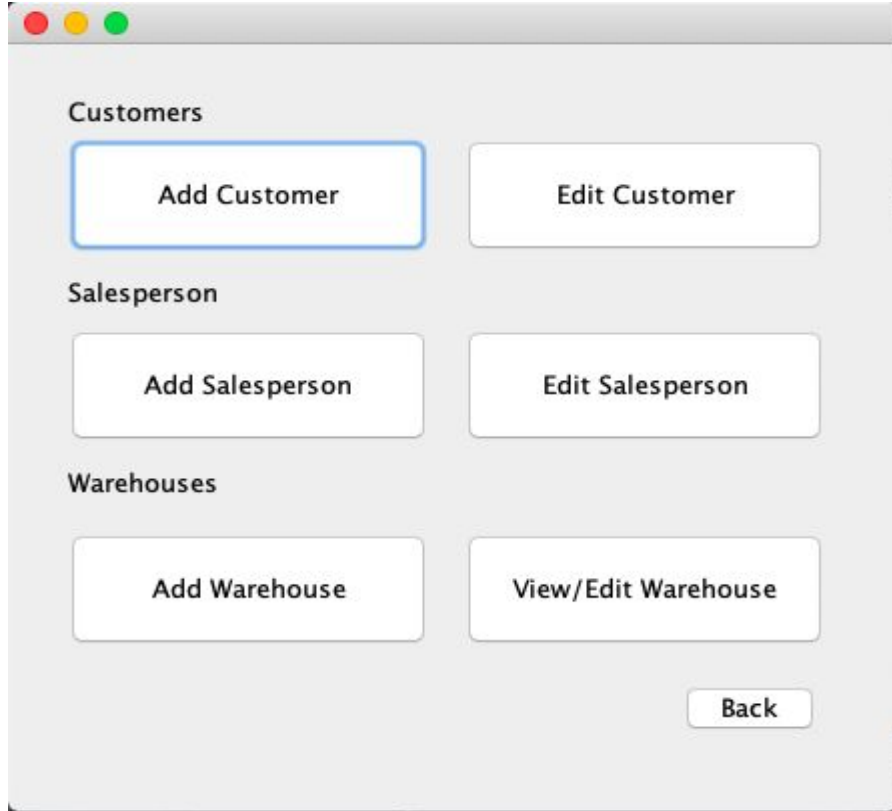
Warehouse Inventory

Login

# Home



# Manage Customer/Salesperson/Warehouse



Customers

Add Customer Edit Customer

Salesperson

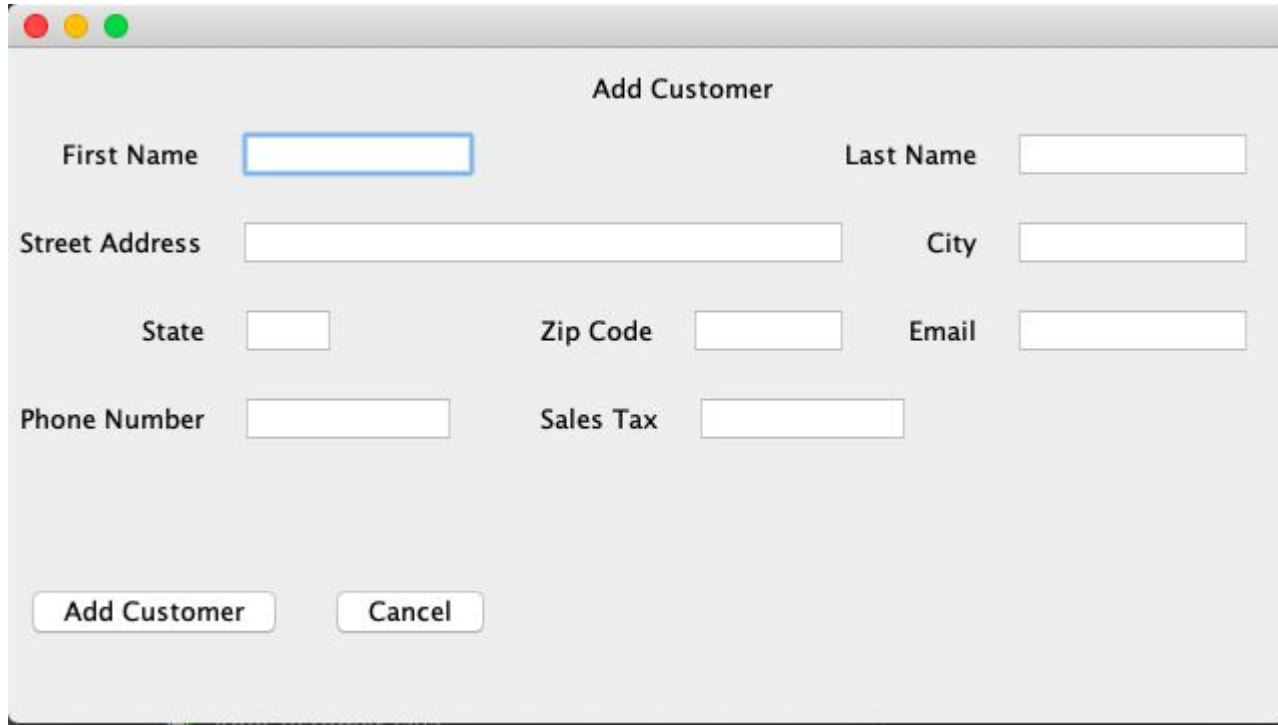
Add Salesperson Edit Salesperson

Warehouses

Add Warehouse View/Edit Warehouse

Back

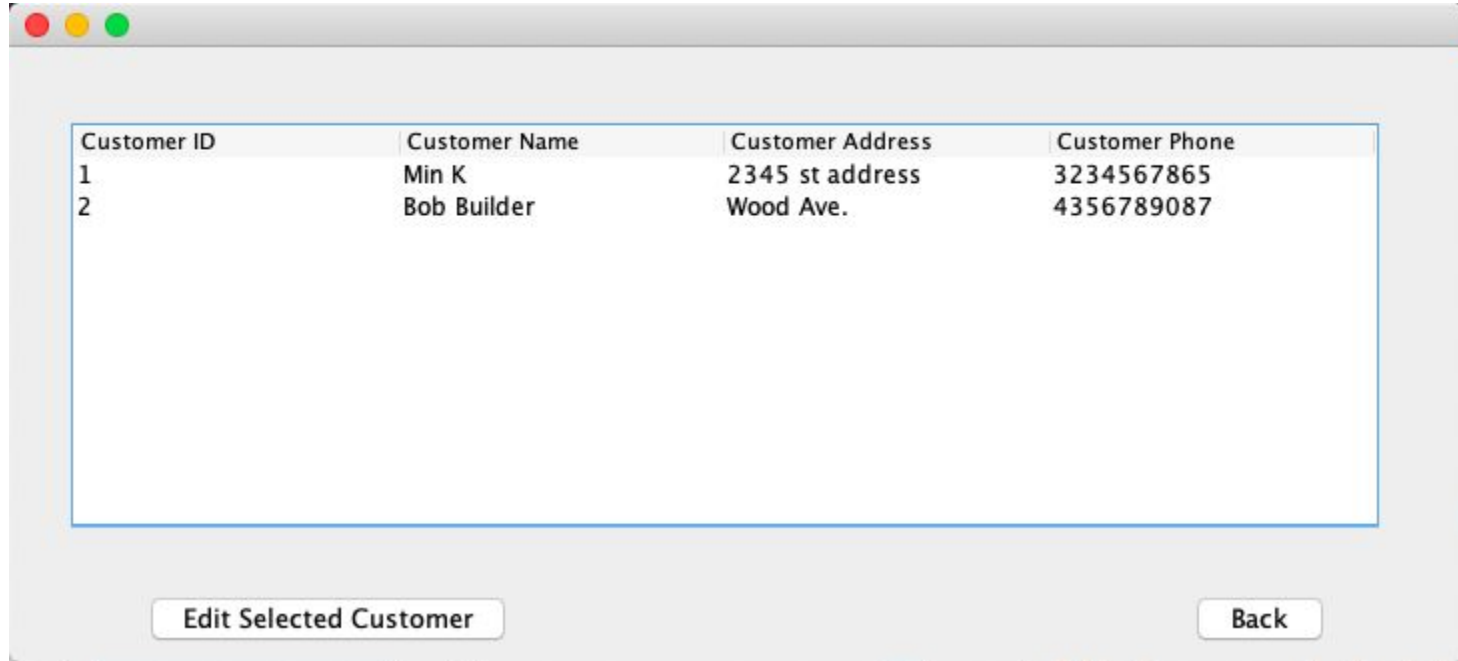
# Add Customer



A screenshot of a macOS-style dialog box titled "Add Customer". The dialog box has a light gray background and a title bar with three colored window control buttons (red, yellow, green) in the top-left corner. The form contains several text input fields for customer information. The "First Name" field is highlighted with a blue border. At the bottom, there are two buttons: "Add Customer" and "Cancel".

Add Customer					
First Name	<input type="text"/>	Last Name	<input type="text"/>		
Street Address	<input type="text"/>		City	<input type="text"/>	
State	<input type="text"/>	Zip Code	<input type="text"/>	Email	<input type="text"/>
Phone Number	<input type="text"/>	Sales Tax	<input type="text"/>		
<input type="button" value="Add Customer"/>		<input type="button" value="Cancel"/>			

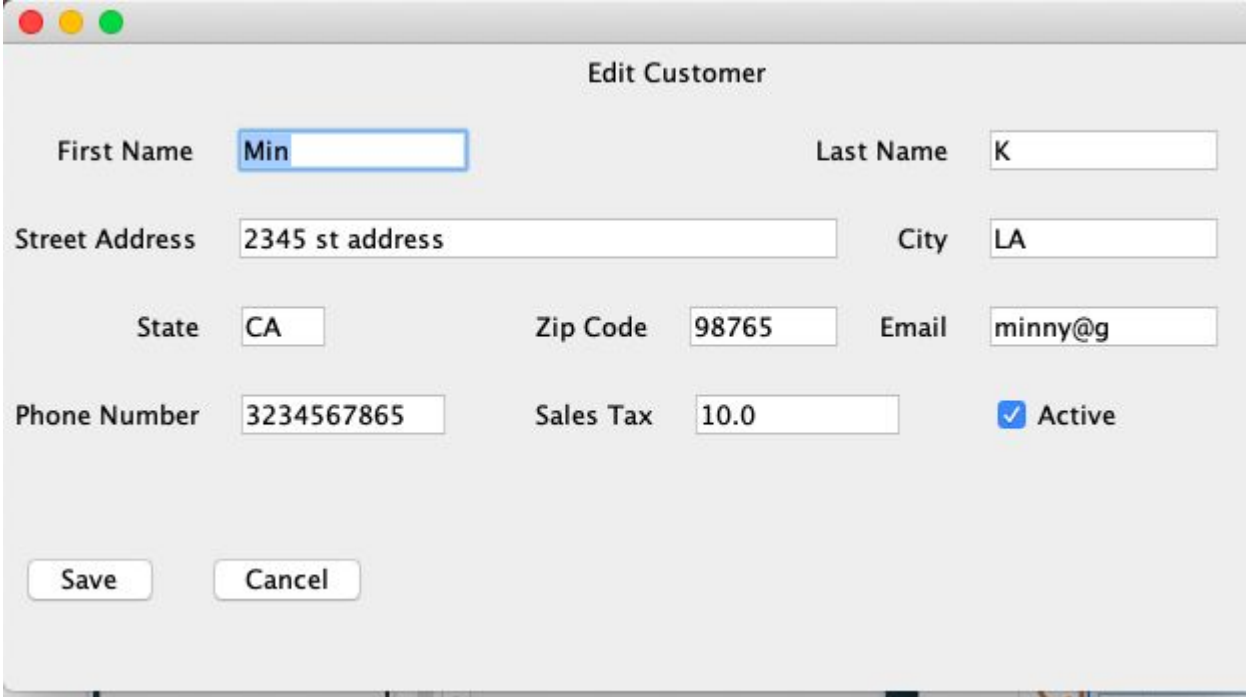
# Edit Customer



Customer ID	Customer Name	Customer Address	Customer Phone
1	Min K	2345 st address	3234567865
2	Bob Builder	Wood Ave.	4356789087

Edit Selected Customer Back

# Edit Selected Customer

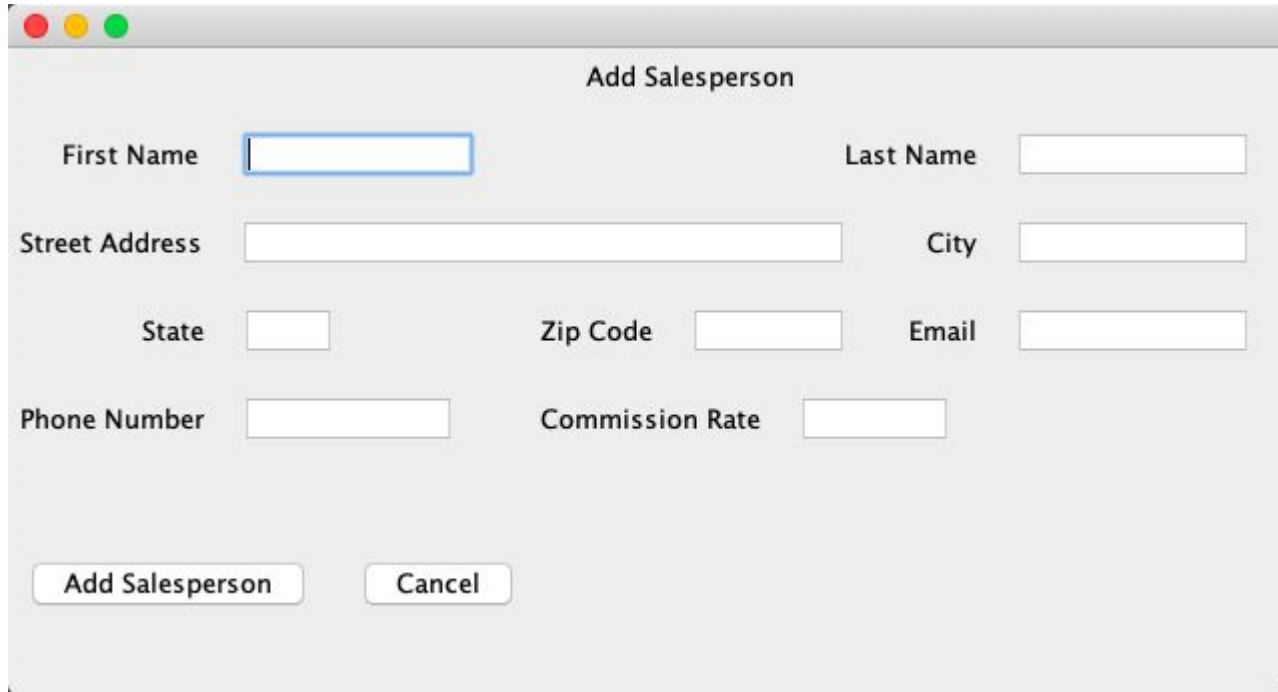


A screenshot of a macOS-style dialog box titled "Edit Customer". The dialog has a light gray background and a title bar with three colored window control buttons (red, yellow, green) on the top left. The form contains several text input fields and a checkbox, arranged in a grid-like fashion. The "First Name" field is highlighted with a blue border and contains the text "Min". The "Last Name" field contains "K". The "Street Address" field contains "2345 st address". The "City" field contains "LA". The "State" field contains "CA". The "Zip Code" field contains "98765". The "Email" field contains "minny@g". The "Phone Number" field contains "3234567865". The "Sales Tax" field contains "10.0". There is a checked checkbox next to the text "Active". At the bottom left, there are two buttons: "Save" and "Cancel".

Edit Customer					
First Name	Min	Last Name	K		
Street Address	2345 st address		City	LA	
State	CA	Zip Code	98765	Email	minny@g
Phone Number	3234567865	Sales Tax	10.0	<input checked="" type="checkbox"/> Active	
<div>Save Cancel</div>					



# Add Salesperson

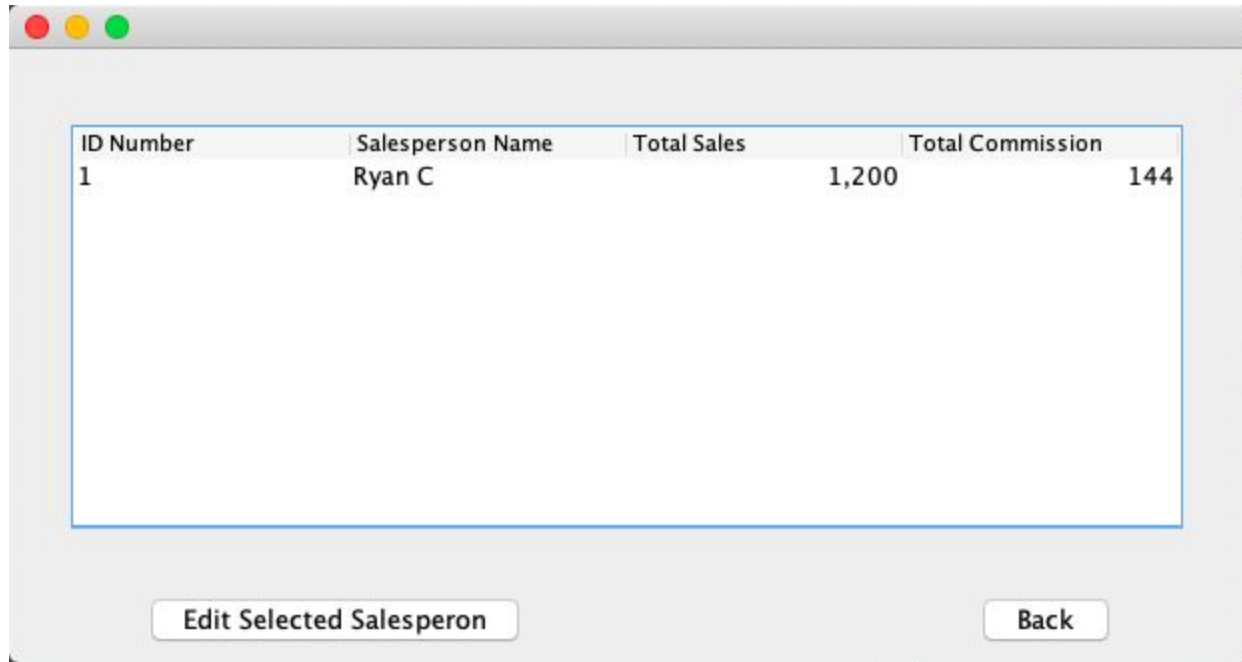


A dialog box titled "Add Salesperson" with a standard macOS-style title bar (red, yellow, green buttons). The form contains the following fields:

Field	Field	Field			
First Name	<input type="text"/>	Last Name	<input type="text"/>		
Street Address	<input type="text"/>		City	<input type="text"/>	
State	<input type="text"/>	Zip Code	<input type="text"/>	Email	<input type="text"/>
Phone Number	<input type="text"/>	Commission Rate	<input type="text"/>		

At the bottom, there are two buttons: "Add Salesperson" and "Cancel".

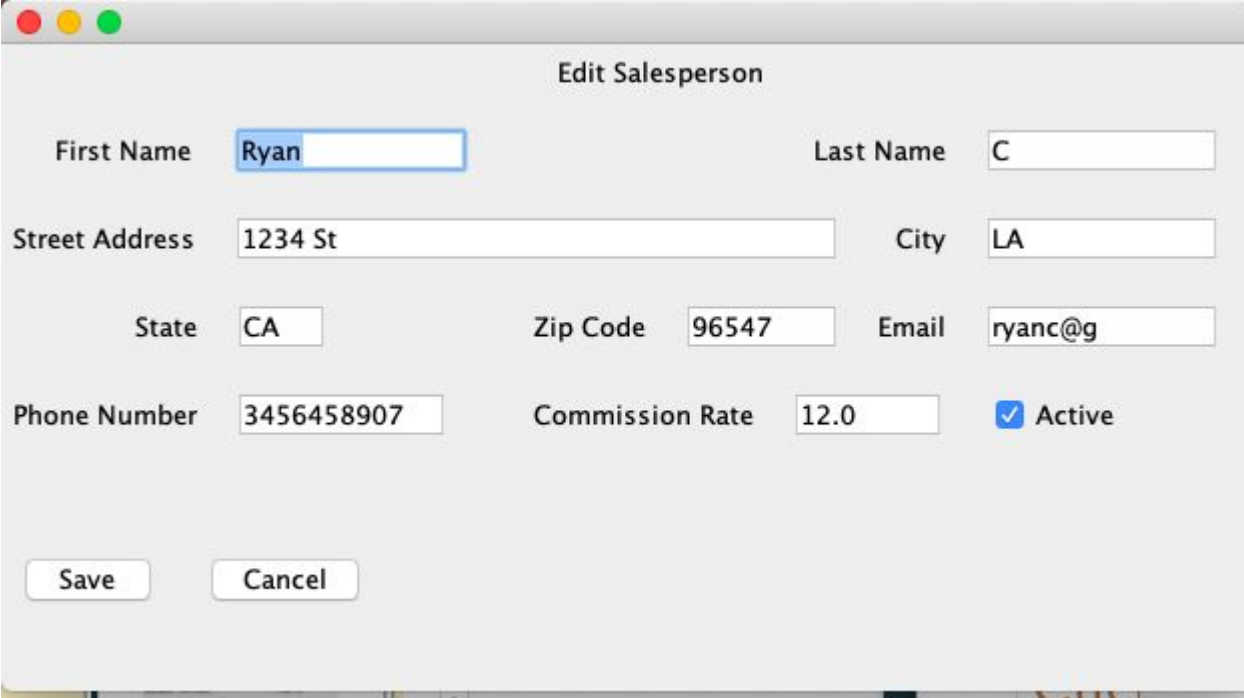
# Edit Salesperson



ID Number	Salesperson Name	Total Sales	Total Commission
1	Ryan C	1,200	144

Edit Selected Salesperon      Back

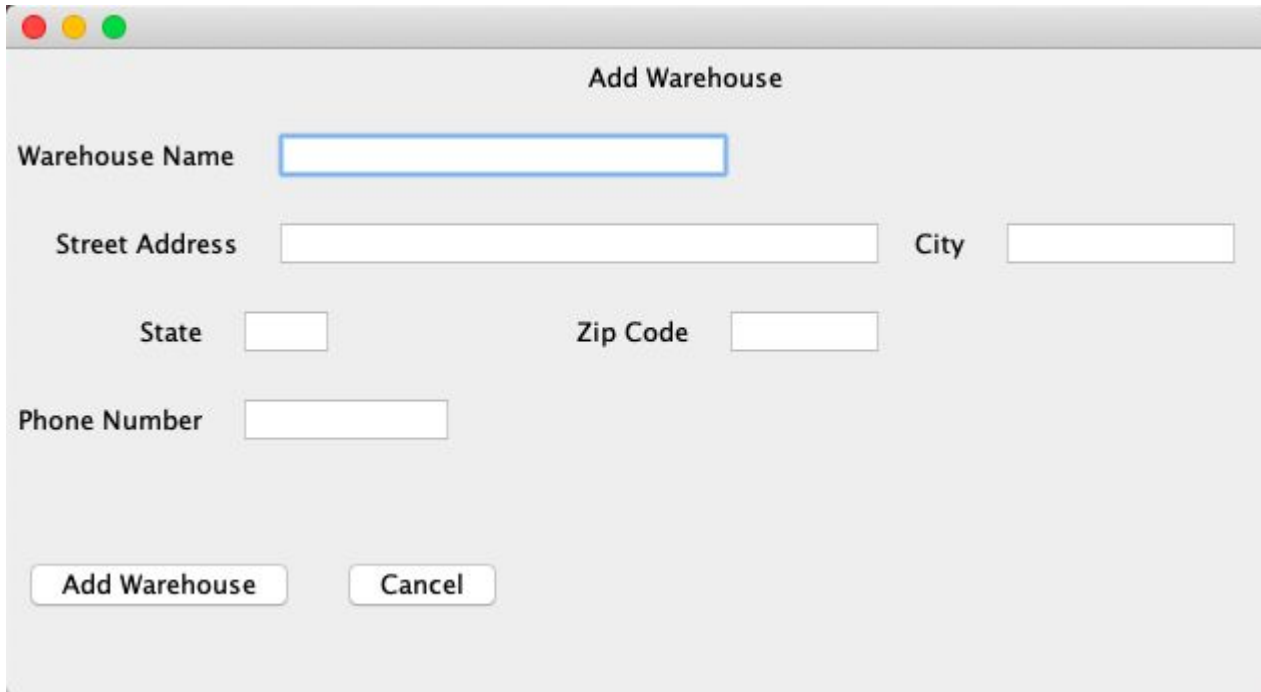
# Edit Selected Salesperson



**Edit Salesperson**

First Name	<input type="text" value="Ryan"/>	Last Name	<input type="text" value="C"/>		
Street Address	<input type="text" value="1234 St"/>		City	<input type="text" value="LA"/>	
State	<input type="text" value="CA"/>	Zip Code	<input type="text" value="96547"/>	Email	<input type="text" value="ryanc@g"/>
Phone Number	<input type="text" value="3456458907"/>	Commission Rate	<input type="text" value="12.0"/>	<input checked="" type="checkbox"/> Active	

# Add Warehouse

A screenshot of a macOS-style dialog box titled "Add Warehouse". The dialog has a light gray background and a title bar with three colored window control buttons (red, yellow, green) on the top left. The form contains several input fields: "Warehouse Name" (a single-line text field with a blue border), "Street Address" (a single-line text field), "City" (a single-line text field), "State" (a single-line text field), "Zip Code" (a single-line text field), and "Phone Number" (a single-line text field). At the bottom, there are two buttons: "Add Warehouse" and "Cancel".

**Add Warehouse**

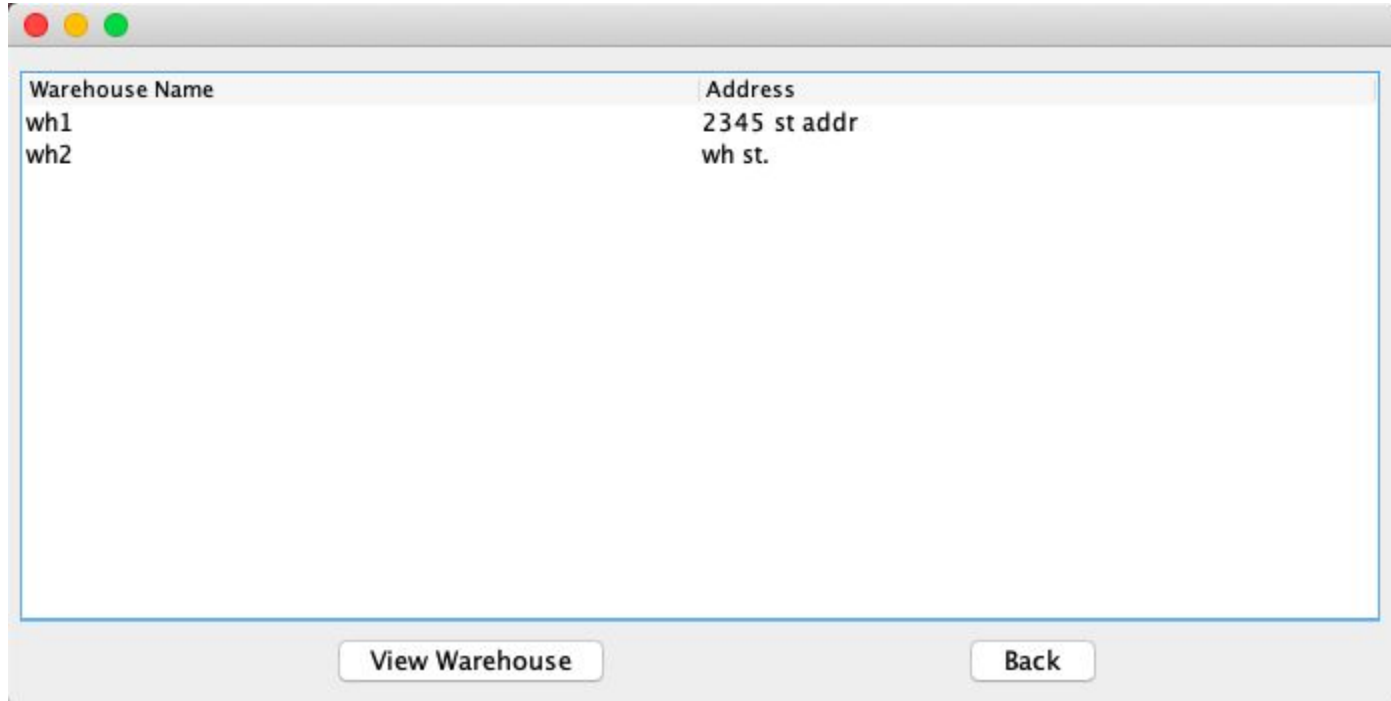
Warehouse Name

Street Address  City

State  Zip Code

Phone Number

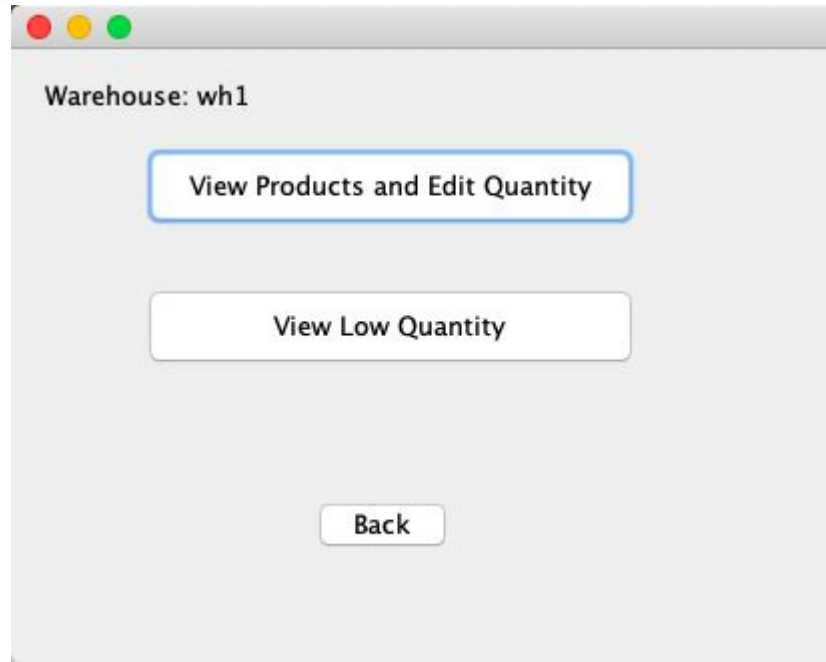
# View/Edit Warehouse



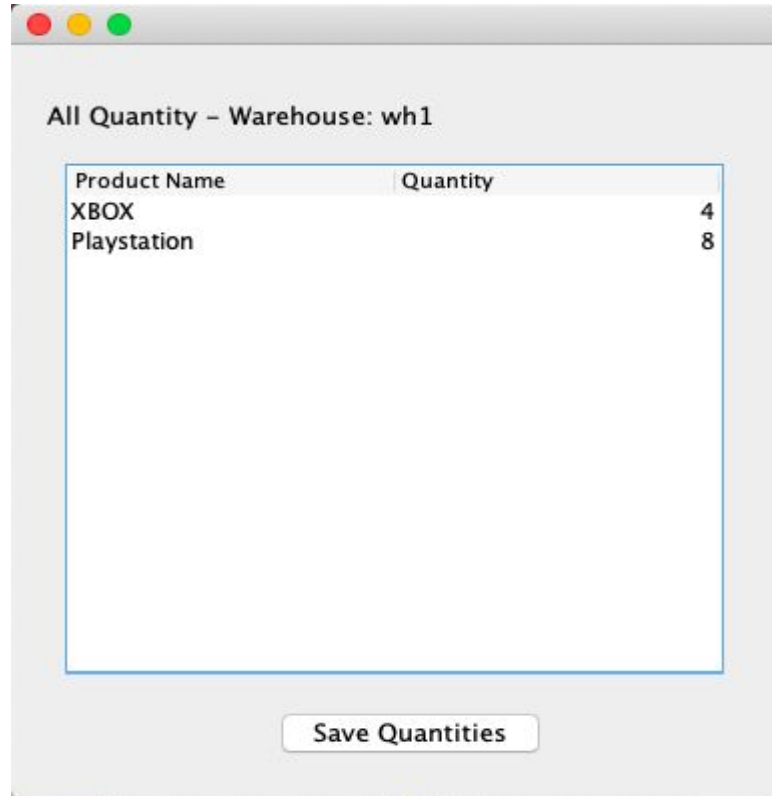
Warehouse Name	Address
wh1	2345 st addr
wh2	wh st.

View Warehouse Back

# View Selected Warehouse



# View Products and Edit Quantity

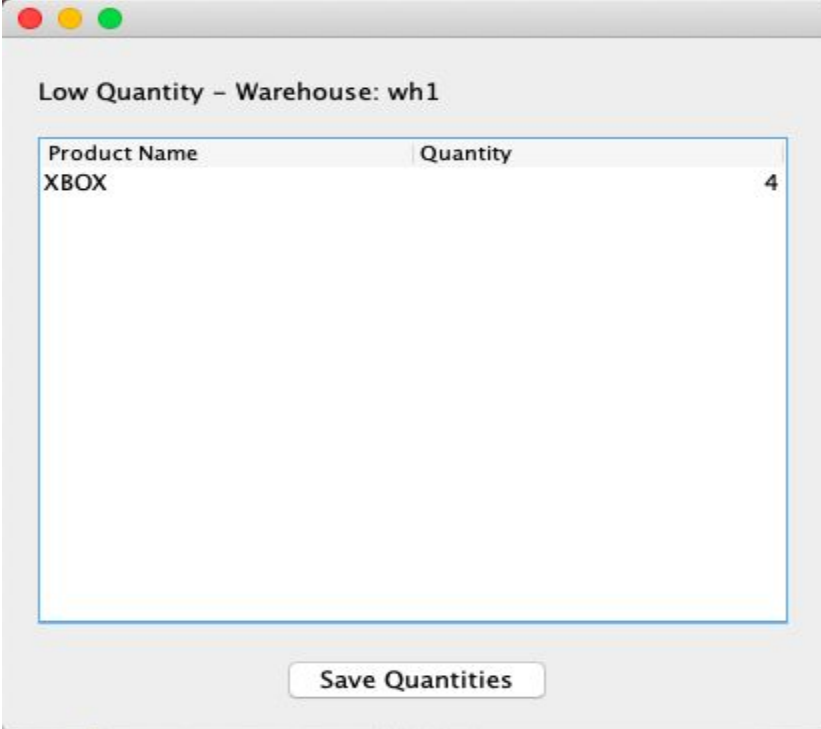


All Quantity - Warehouse: wh1

Product Name	Quantity
XBOX	4
Playstation	8

Save Quantities

# View Low Quantity



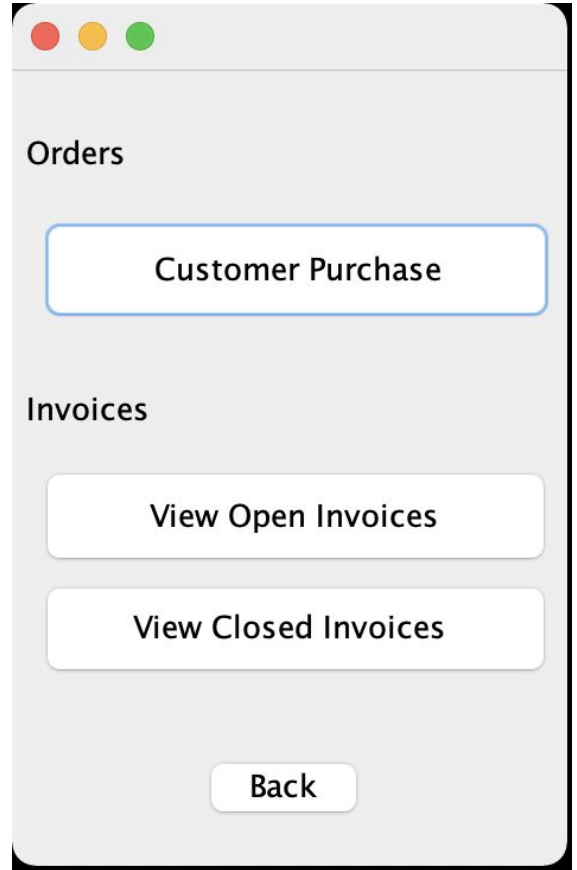
Low Quantity - Warehouse: wh1

Product Name	Quantity
XBOX	4

Save Quantities



# Manage Invoices & Orders



# Customer Purchase

Customer Purchase

Select Customer

Customer: AJ Fahim

Select Salesperson

Salesperson: Ford Miller

Select Products

Product Name	Warehouse	Quantity
LG 55" TV	Warehouse 2	1
Dell 27" Desktop	Warehouse 2	3

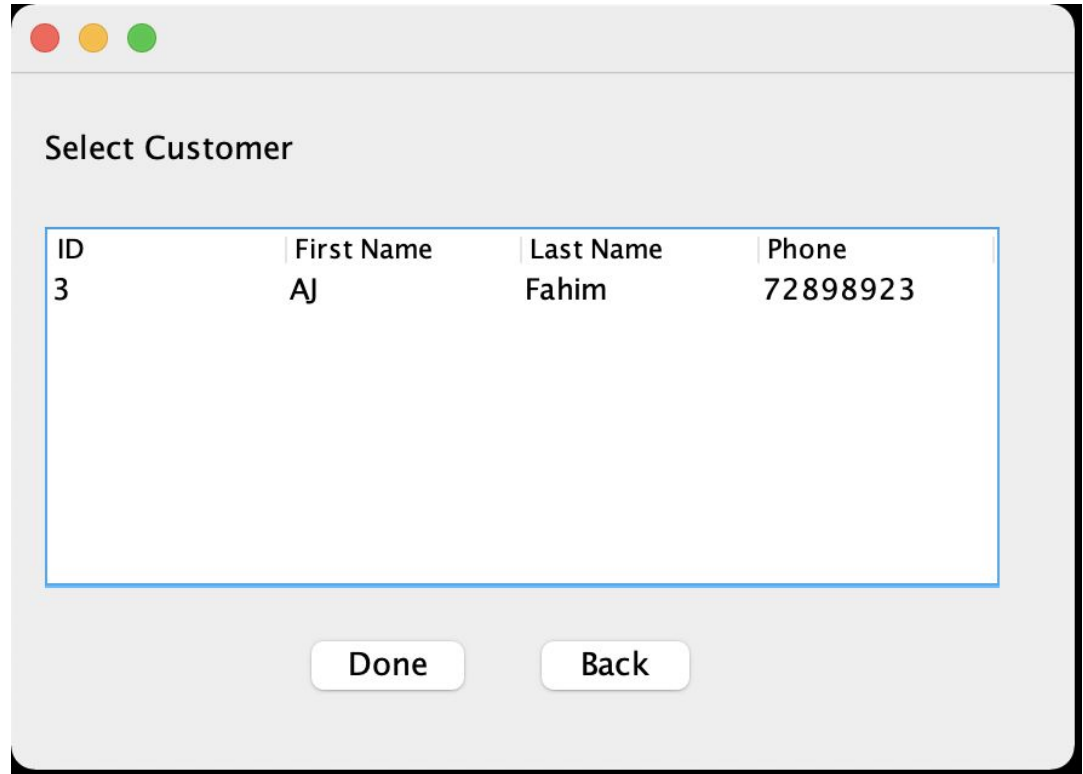
Delivery Fee

123.33

View Subtotal

Cancel

# Select Customer for Purchase

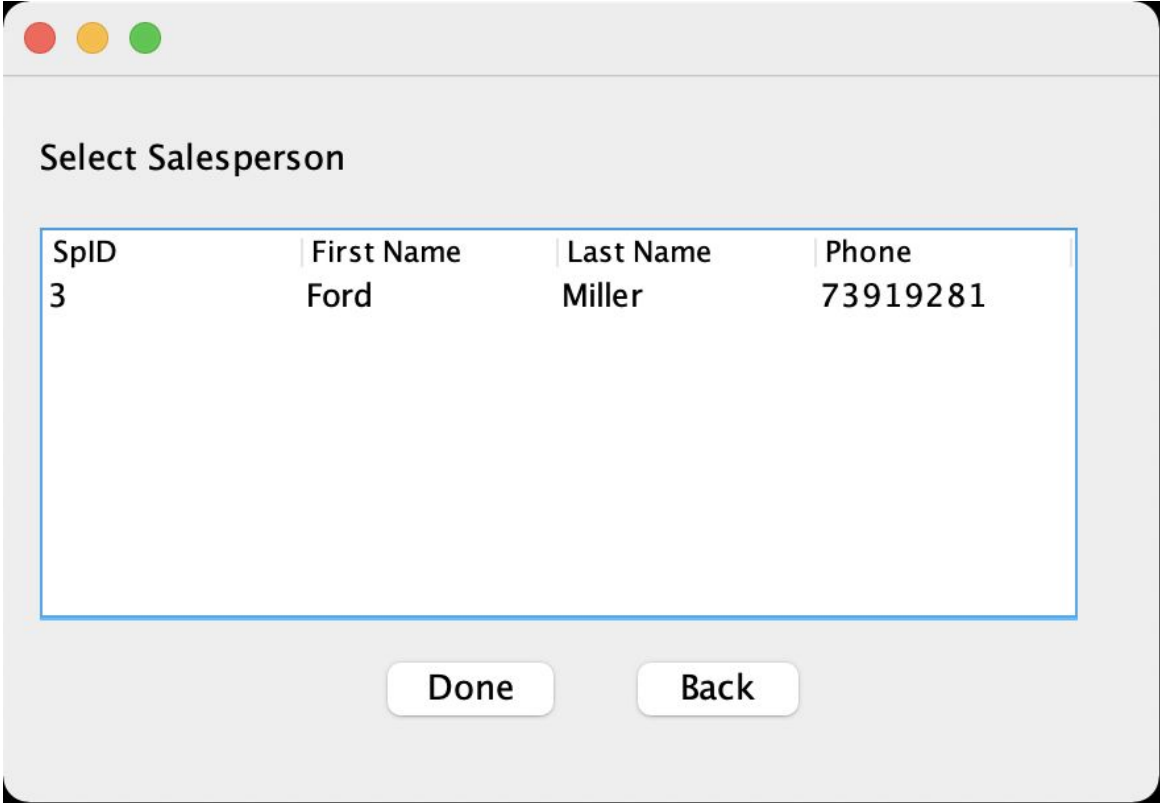


A macOS-style dialog box titled "Select Customer" with a light gray background and a title bar containing three colored window control buttons (red, yellow, green). The dialog contains a table with the following data:

ID	First Name	Last Name	Phone
3	AJ	Fahim	72898923

At the bottom of the dialog are two buttons: "Done" and "Back".

# Select Salesperson for Purchase



Select Salesperson

SpID	First Name	Last Name	Phone
3	Ford	Miller	73919281

Done Back

# Select Product(s) for Order

Select Product to Add to Order

Product Name

LG 55" TV

Samsung 27" Monitor

Dell 27" Desktop

Apple Macbook 16"

Add Product

Back

# Edit Product Quantity in Order

Product: Dell 27" Desktop

Warehouse Name	In Stock	Add to Order
Warehouse 1	0	0
Warehouse 2	8	3

Add to Order

# Order Subtotal

Subtotal

Customer Name: AJ Fahim  
Customer Phone: 72898923  
Customer Address: 37291 Baker Ave.  
-----|

Salesperson Name: Ford Miller  
Salesperson Phone: 73919281  
-----

Product Name	Warehouse	Quantity
LG 55" TV	Warehouse 2	1
Dell 27" Desktop	Warehouse 2	3

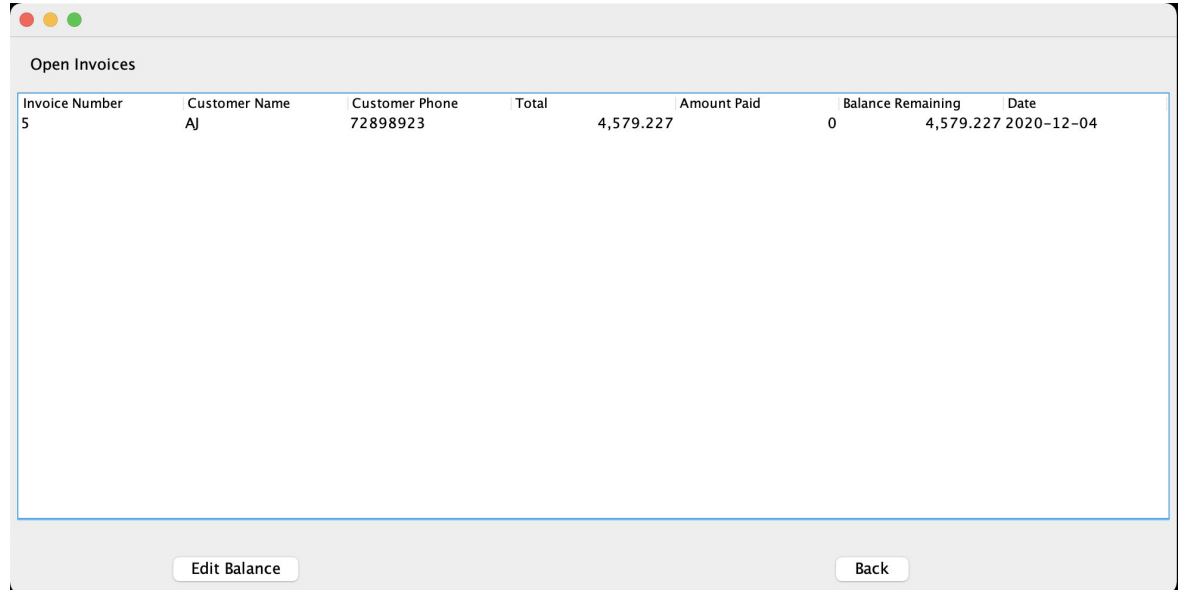
Subtotal: \$4199.97  
Sales Tax: \$379.26  
Delivery Fee: \$123.33  
Sales Commission: \$513.24  
Total: \$4579.23

Place Order

Edit Order

# View Open Invoices

Sorted by Date



The screenshot shows a web application window with a title bar containing three colored buttons (red, yellow, green). The window title is "Open Invoices". Inside the window, there is a table with the following columns: Invoice Number, Customer Name, Customer Phone, Total, Amount Paid, Balance Remaining, and Date. The table contains one row of data. Below the table, there are two buttons: "Edit Balance" and "Back".

Invoice Number	Customer Name	Customer Phone	Total	Amount Paid	Balance Remaining	Date
5	AJ	72898923	4,579.227	0	4,579.227	2020-12-04

Edit Balance Back



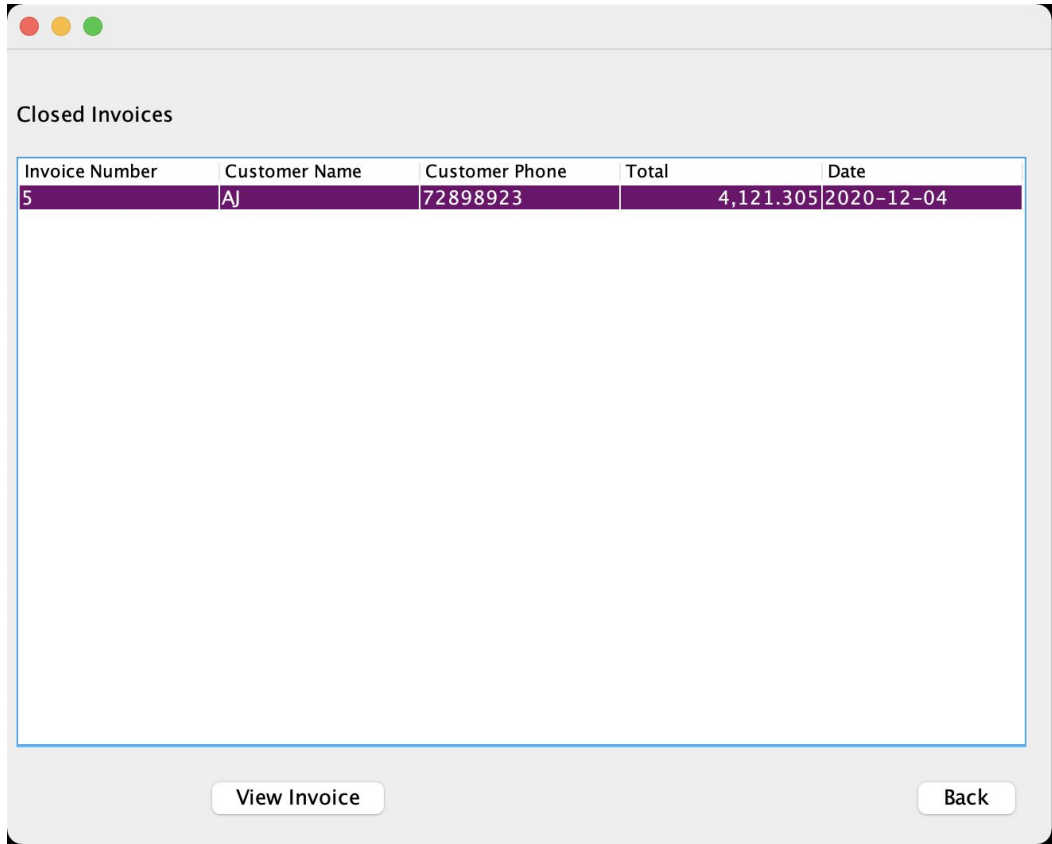
# Edit Invoice Balance

Product Name	Warehouse Name	Quantity
Dell 27" Desktop	Warehouse 2	3
LG 55" TV	Warehouse 2	1

Enter amount paid:  Balance Remaining: 4579.227291

# View Closed Invoices

Sorted by Total Descending



The screenshot shows a web application window with a title bar containing three colored buttons (red, yellow, green). The main content area is titled "Closed Invoices" and contains a table with the following data:

Invoice Number	Customer Name	Customer Phone	Total	Date
5	AJ	72898923	4,121.305	2020-12-04

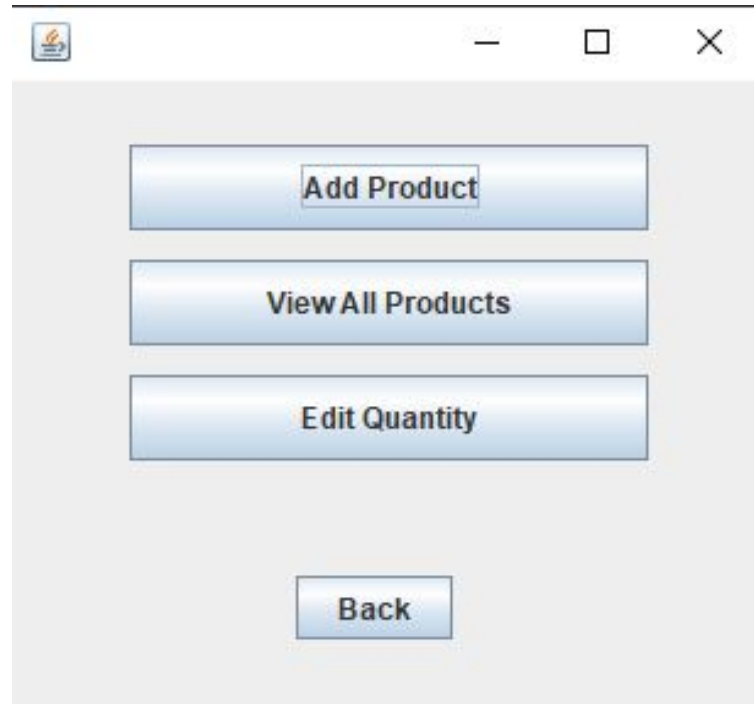
Below the table, there are two buttons: "View Invoice" and "Back".

# View Products in Closed Invoice

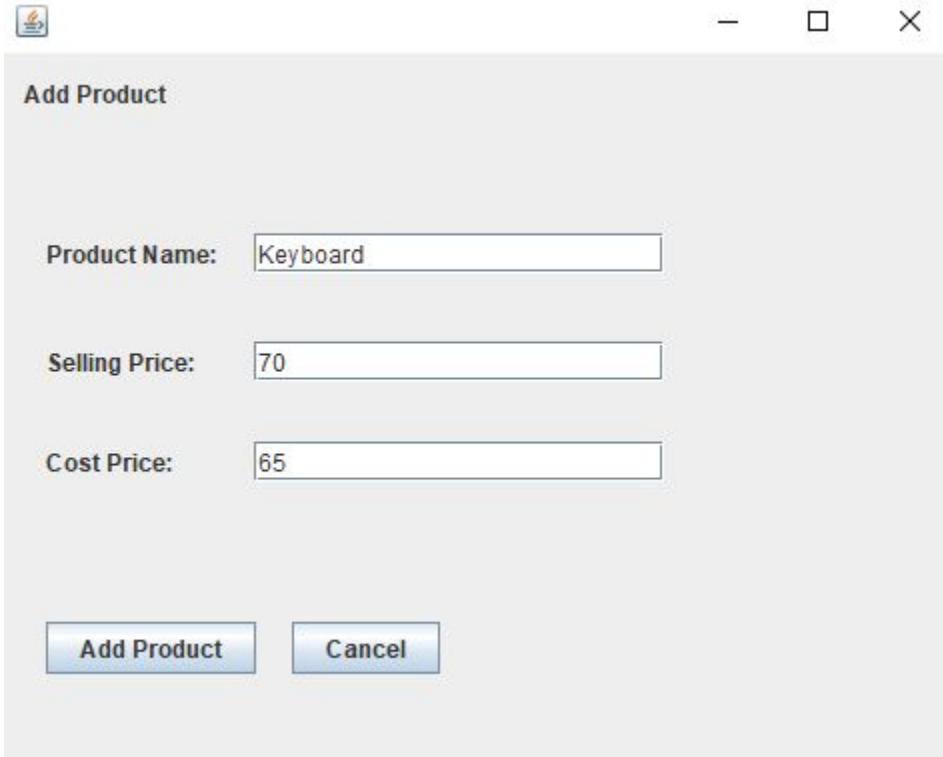
Product Name	Warehouse Name	Quantity
Dell 27" Desktop	Warehouse 2	3
LG 55" TV	Warehouse 2	1

Back

# Manage Product



# Add Product



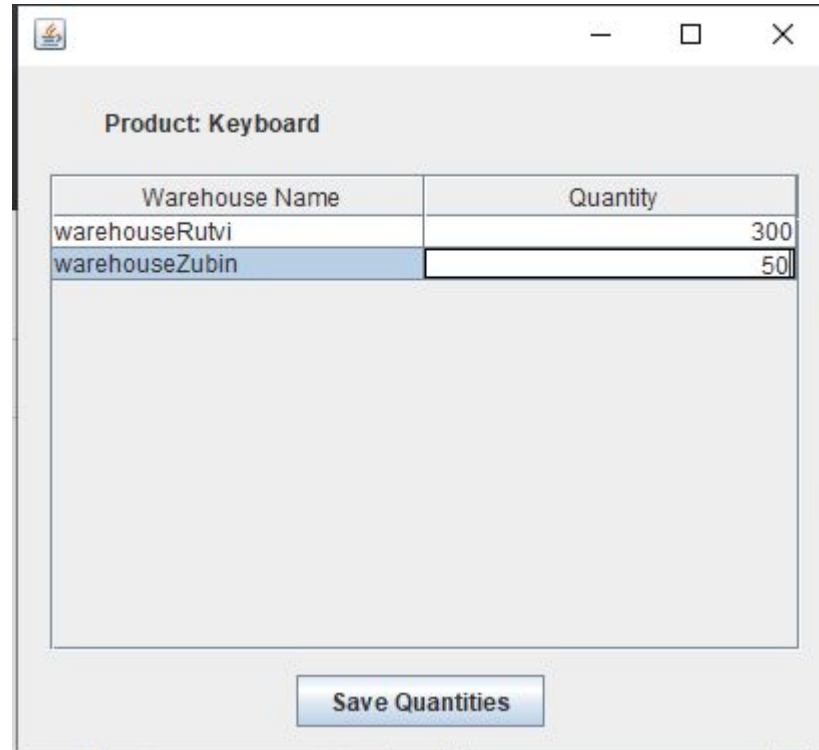
**Add Product**

Product Name:

Selling Price:

Cost Price:

# Select Warehouse for Product

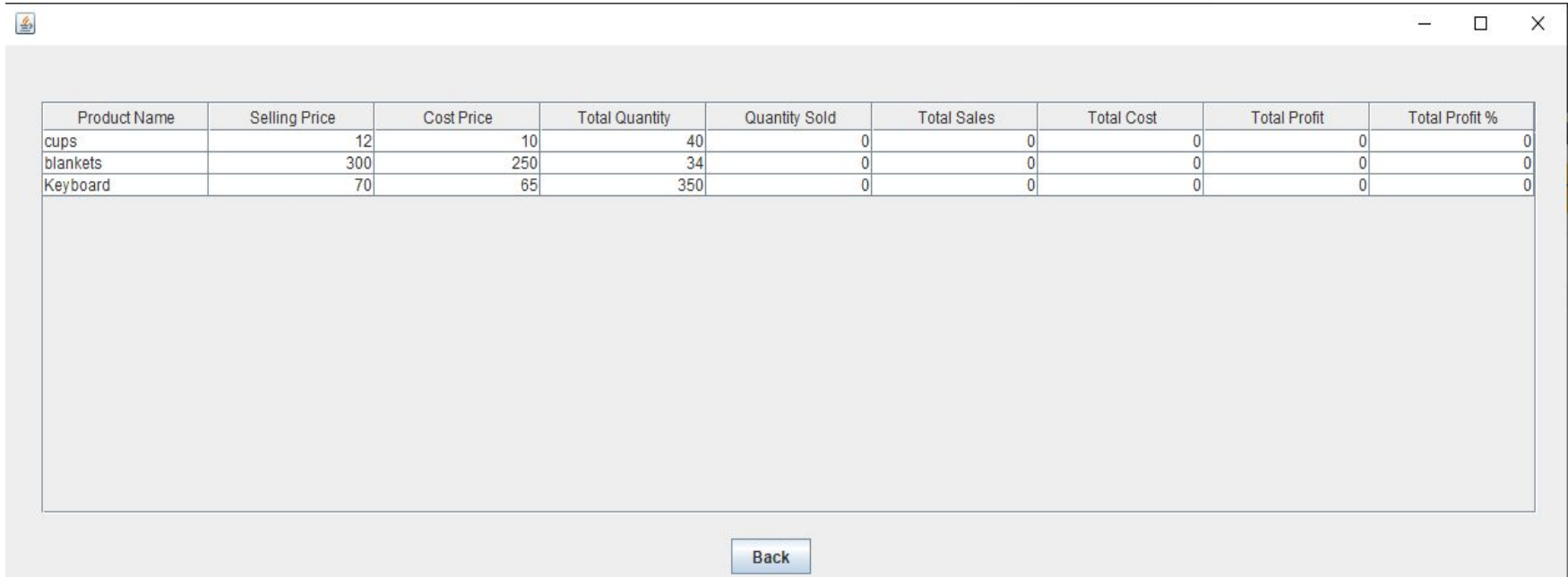


Product: Keyboard

Warehouse Name	Quantity
warehouseRutvi	300
warehouseZubin	50

Save Quantities

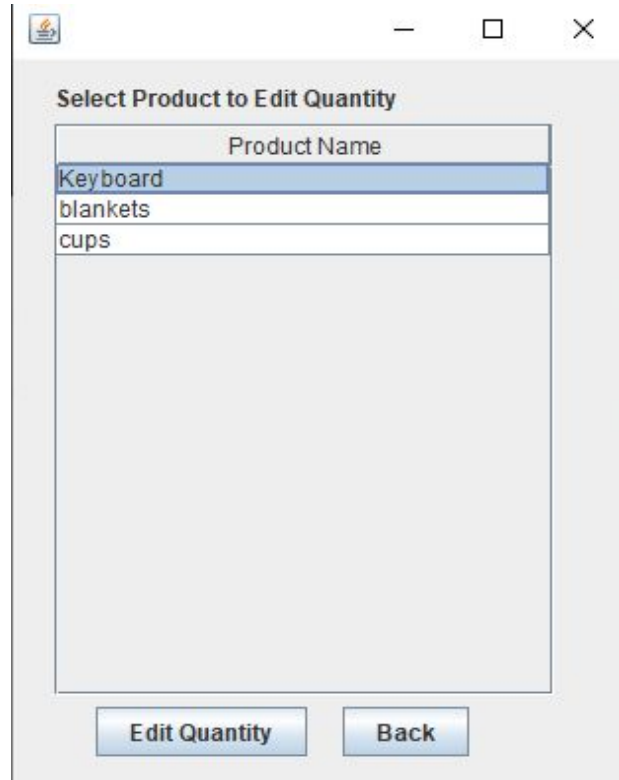
# View All Products



Product Name	Selling Price	Cost Price	Total Quantity	Quantity Sold	Total Sales	Total Cost	Total Profit	Total Profit %
cups	12	10	40	0	0	0	0	0
blankets	300	250	34	0	0	0	0	0
Keyboard	70	65	350	0	0	0	0	0

Back

# Select Product to Edit Quantity



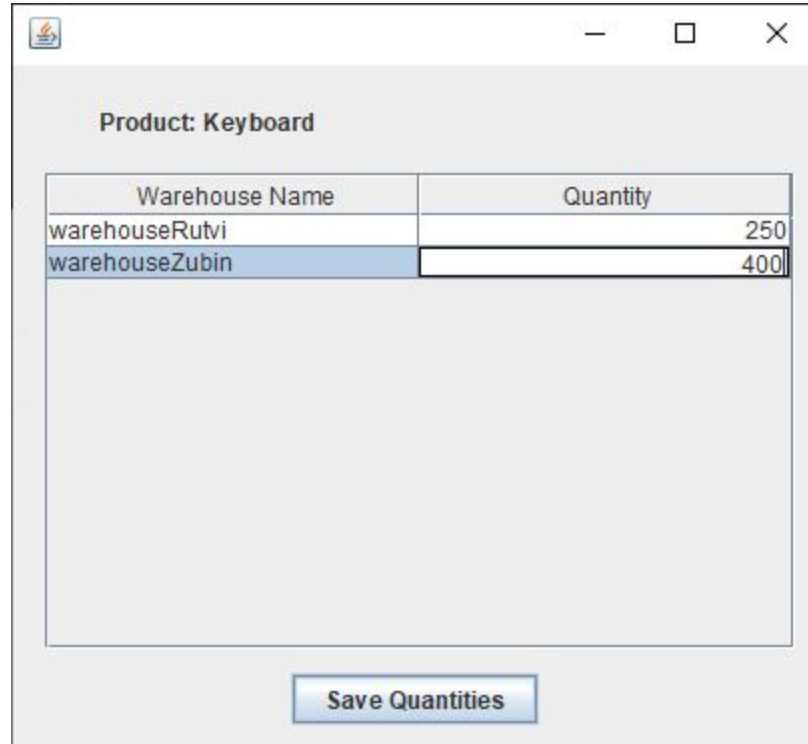
A screenshot of a software dialog box titled "Select Product to Edit Quantity". The dialog box has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. Inside the dialog, there is a list box with the header "Product Name". The list contains three items: "Keyboard", "blankets", and "cups". The "Keyboard" item is currently selected and highlighted with a blue background. Below the list box, there are two buttons: "Edit Quantity" and "Back".

Product Name
Keyboard
blankets
cups

**Edit Quantity** **Back**



# Edit Quantity in Warehouse



The screenshot shows a software window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The main content area is titled "Product: Keyboard". Below the title is a table with two columns: "Warehouse Name" and "Quantity". The table contains two rows: "warehouseRutvi" with a quantity of 250, and "warehouseZubin" with a quantity of 400. The "warehouseZubin" row is highlighted with a blue background. Below the table is a large, empty rectangular area. At the bottom of the window is a button labeled "Save Quantities".

Warehouse Name	Quantity
warehouseRutvi	250
warehouseZubin	400

Save Quantities

# Persistent Entity Object Storage Mechanism

- Using the Apache Derby Database
  - Customer, Salesperson, Warehouse, Invoice, OrderItem, and Product Tables
- EclipseLink (JPA 2.1) for Persistence Library
- EntityManagerFactory and EntityManager for querying the database
- javax.persistence