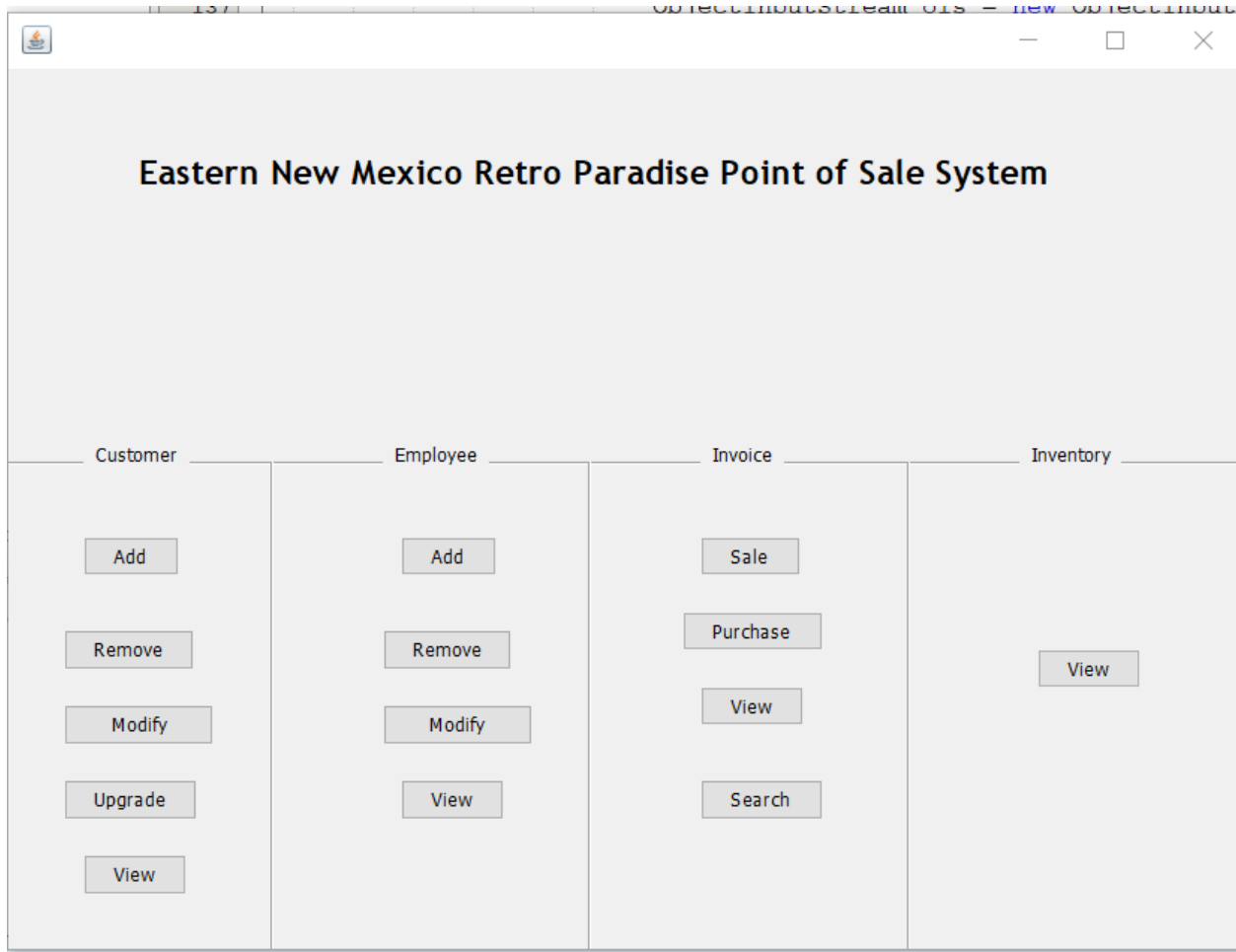


CS 234 2021F


Project: Eastern New Mexico Retro Paradise Part 3 Walkthrough

Team Members: Brian Elder, Zachary McFarlin


Our project is a point of sale and inventory management system for a retro gaming store in Eastern New Mexico. When the user logs in, they are presented with a menu of the various options the system has.



The system is initialized with an existing information in each category which can be obtained by clicking view in each category.

— □ ×

Consoles: 150
Games: 526
Controllers: 58
Accessories: 27
Memorabilia: 87

— □ ×

Purchases:

Account ID: 12
Invoice ID: 789
Date: 12/21/21
Consoles purchased: 5
Games purchased: 5
Accessories purchased: 1
Controllers purchased: 1
Memorabilia purchased: 1
Amount: 785.0
Points earned: 78.5

Sales:

Employee ID: 123
Account ID: 12
Invoice ID: 456
Date: 12/21/21
Consoles sold: 1
Games sold: 2
Accessories sold: 0
Controllers sold: 0
Memorabilia sold: 0
Amount: 200.0
Points earned: 20.0

Employees:

Employee ID: 123
Name: Al Pratt
Phone number: 5757895623
Hourly wage: 25
Weekly sales: 200.0

Employee ID: 456
Name: Ted Grant
Phone number: 5754562389
Hourly wage: 24
Weekly sales: 0.0

Customers:

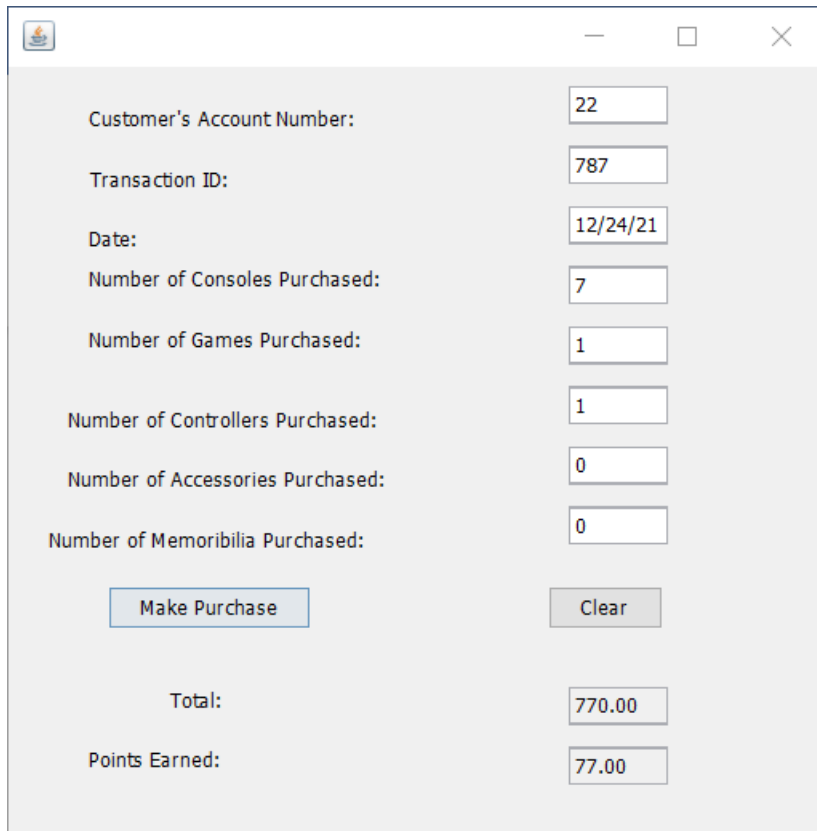
Account ID: 12
Name: Lex Luthor
Phone Number: 5055688956
Points: 98.5

Account ID: 22
Name: Priscilla Rich
Phone Number: 5054562389
Points: 0.0

Silver Customers:

Account ID: 42
Name: Leonard Snart
Phone Number: 5054567823
Points: 0.0
Coupon: true

The user can then create an invoice for a purchase of used gaming items from a client. The system will compute the total due to the client based on the number of each type of piece and prices of each category, and the points the client earned for the transaction.



A screenshot of a software window titled "Purchase Invoice" (indicated by a printer icon in the title bar). The window contains a form with the following fields and values:

Field	Value
Customer's Account Number:	22
Transaction ID:	787
Date:	12/24/21
Number of Consoles Purchased:	7
Number of Games Purchased:	1
Number of Controllers Purchased:	1
Number of Accessories Purchased:	0
Number of Memorabilia Purchased:	0
<div><div>Make Purchase</div><div>Clear</div></div>	
Total:	770.00
Points Earned:	77.00

Once a purchase invoice has been created, it can be viewed.

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×

Purchases:

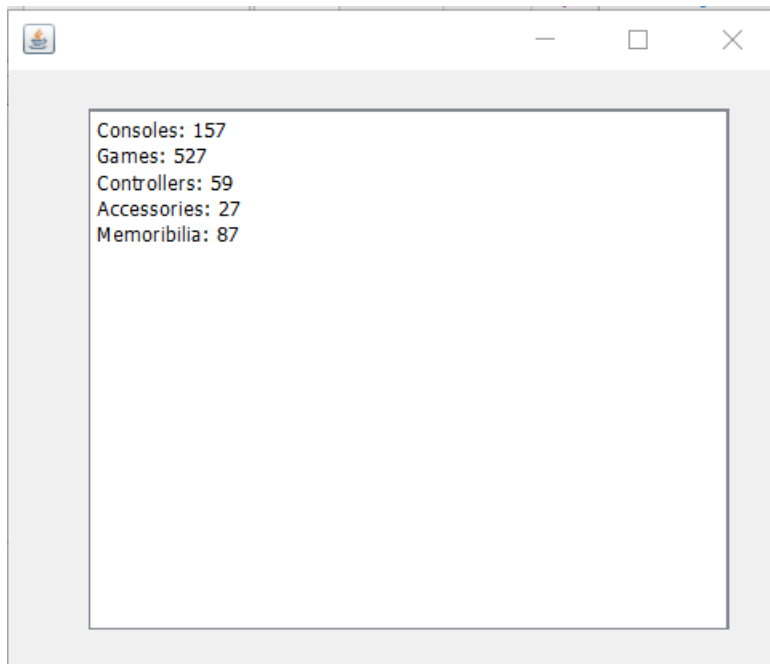
Account ID: 12
Invoice ID: 789
Date: 12/21/21
Consoles purchased: 5
Games purchased: 5
Accessories purchased: 1
Controllers purchased: 1
Memorabilia purchased: 1
Amount: 785.0
Points earned: 78.5

Account ID: 22
Invoice ID: 787
Date: 12/24/21
Consoles purchased: 7
Games purchased: 1
Accessories purchased: 0
Controllers purchased: 1
Memorabilia purchased: 0
Amount: 770.0
Points earned: 77.0

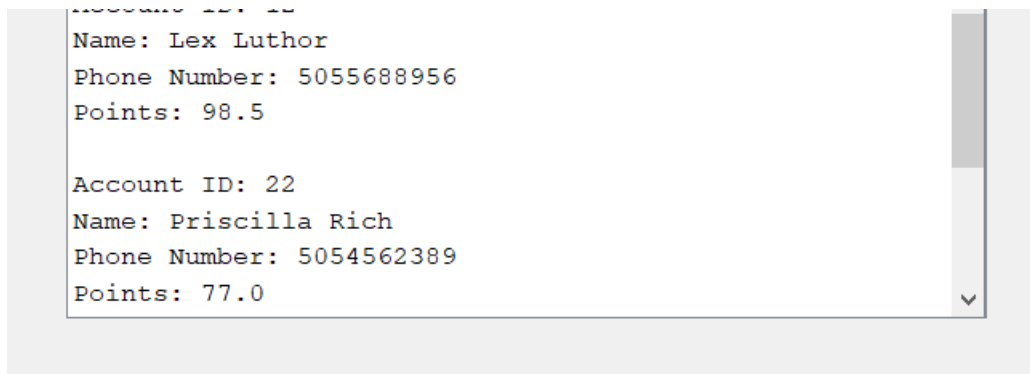
Sales:

Employee ID: 123
Account ID: 12
Invoice ID: 456
Date: 12/21/21
Consoles sold: 1
Games sold: 2
Accessories sold: 0
Controllers sold: 0
Memorabilia sold: 0
Amount: 200.0
Points earned: 20.0


Inventory changes made in the purchase invoices will then reflect in the inventory.



Points earned will reflect in customer entries.



In a similar manner, the user can create and then view sales invoices of merchandise to a client, with total charge and points being computed and sales made in the invoice menu reflecting in the referenced employee and customer entries and items removed from inventory.



Customer's Account Number:	<input type="text" value="42"/>
Employee ID:	<input type="text" value="456"/>
Transaction ID:	<input type="text" value="798"/>
Date:	<input type="text" value="11/21/21"/>
Number of Consoles Sold:	<input type="text" value="3"/>
Number of Games Sold:	<input type="text" value="29"/>
Number of Controllers Sold:	<input type="text" value="3"/>
Number of Accessories Sold:	<input type="text" value="3"/>
Number of Memorabilia Sold:	<input type="text" value="1"/>
<input type="button" value="Make Sale"/>	<input type="button" value="Clear"/>
Total:	<input type="text" value="1845.00"/>
Points Earned:	<input type="text" value="184.50"/>



Purchases:

Account ID: 12
Invoice ID: 789
Date: 12/21/21
Consoles purchased: 5
Games purchased: 5
Accessories purchased: 1
Controllers purchased: 1
Memorabilia purchased: 1
Amount: 785.0
Points earned: 78.5

Account ID: 22
Invoice ID: 787
Date: 12/24/21
Consoles purchased: 7
Games purchased: 1
Accessories purchased: 0
Controllers purchased: 1
Memorabilia purchased: 0
Amount: 770.0
Points earned: 77.0

Sales:

Employee ID: 123
Account ID: 12
Invoice ID: 456
Date: 12/21/21
Consoles sold: 1
Games sold: 2
Accessories sold: 0
Controllers sold: 0
Memorabilia sold: 0
Amount: 200.0
Points earned: 20.0

Employee ID: 456
Account ID: 42
Invoice ID: 798
Date: 11/21/21
Consoles sold: 3
Games sold: 29
Accessories sold: 3
Controllers sold: 3
Memorabilia sold: 1
Amount: 1845.0
Points earned: 184.5

Points: 77.0

Account ID: 32

Name: David Hyde

Phone Number: 5051237845

Points: 0.0

Silver Customers:

Account ID: 42

Name: Leonard Snart

Phone Number: 5054567823

Points: 184.5

Coupon: true

Employee ID: 456

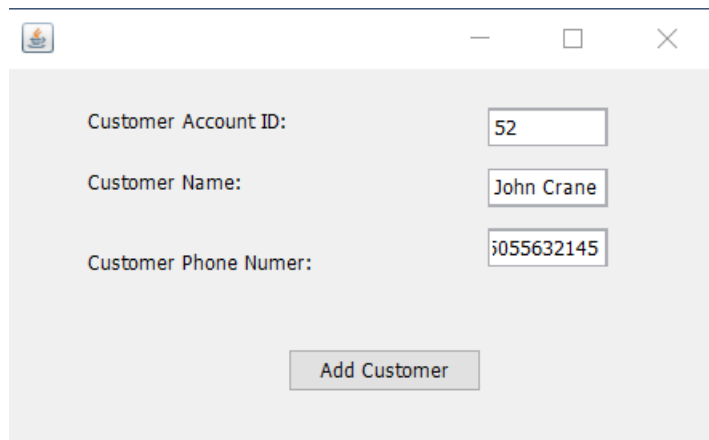
Name: Ted Grant

Phone number: 5754562389

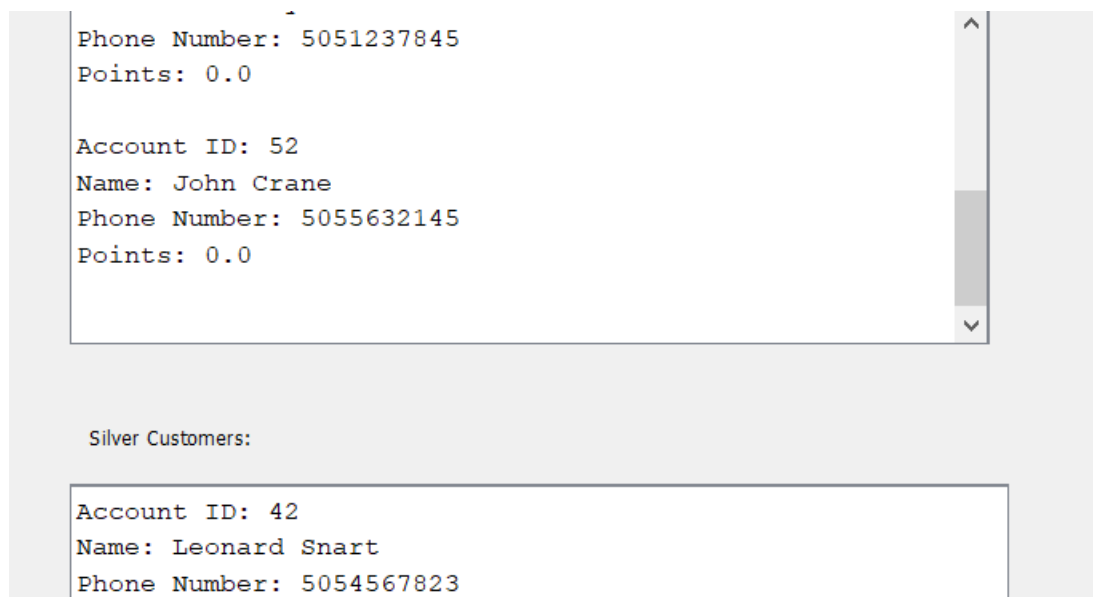
Hourly wage: 24

Weekly sales: 1845.0

The program also includes systems for managing customer information. It allows the user to create new customers with an ID number, their name and phone number and initializes the account with zero points, and adds the customer to an extant database of current customers. It also includes a subclass of the customer which is the Silver level customer for select customers which includes the information of a regular customer along with a coupon for the client to use.

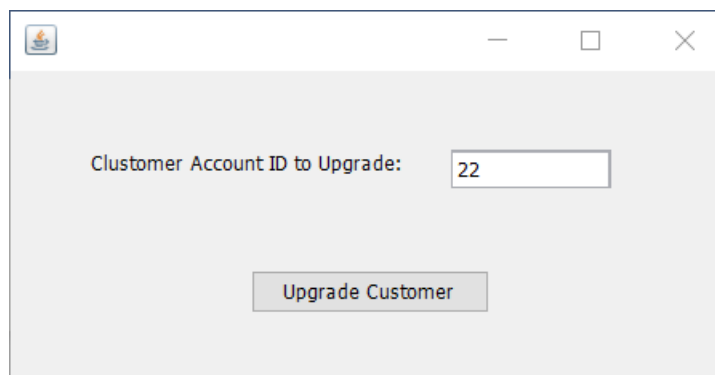


A screenshot of a software window titled "Add Customer". It contains three input fields: "Customer Account ID:" with the value "52", "Customer Name:" with the value "John Crane", and "Customer Phone Number:" with the value "5055632145". Below these fields is a button labeled "Add Customer".

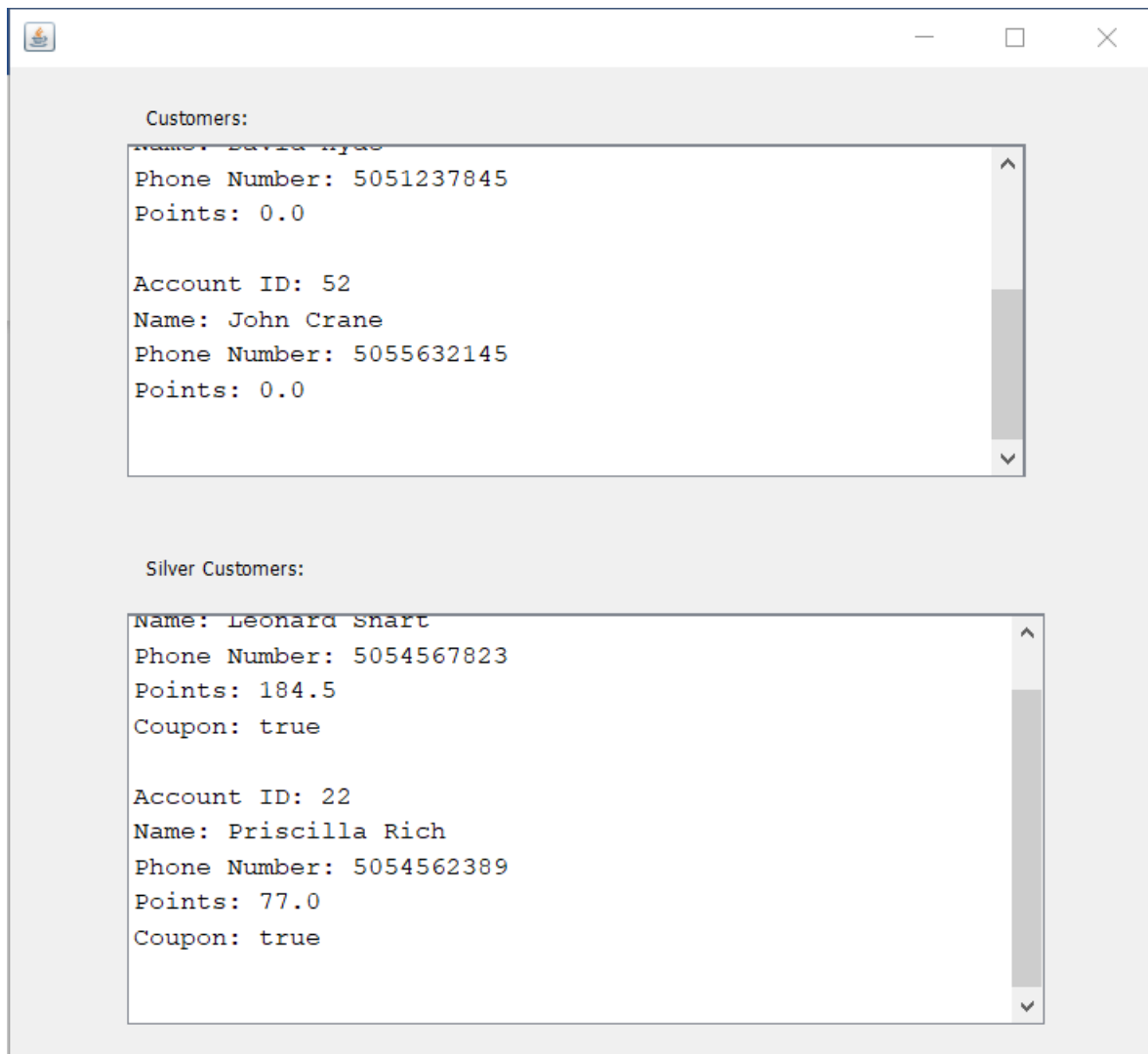


A screenshot of a software interface showing a list of customers. The first entry is: "Phone Number: 5051237845", "Points: 0.0", "Account ID: 52", "Name: John Crane", "Phone Number: 5055632145", "Points: 0.0". Below this is a section titled "Silver Customers:" followed by an entry: "Account ID: 42", "Name: Leonard Snart", "Phone Number: 5054567823". A vertical scrollbar is visible on the right side of the list.

Users can also upgrade clients to silver status int the customer menu.



A screenshot of a software window titled "Upgrade Customer". It contains one input field: "Customer Account ID to Upgrade:" with the value "22". Below this field is a button labeled "Upgrade Customer".



The system also allows for the removal of customers.

Customer Account ID to Remove:

Customers:

Account ID: 12
Name: Lex Luthor
Phone Number: 5055688956
Points: 98.5

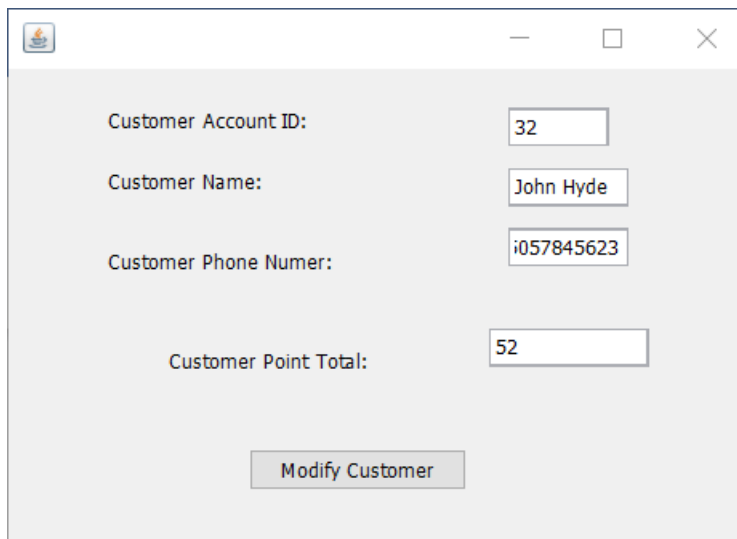
Account ID: 32
Name: David Hyde
Phone Number: 5051237845
Points: 0.0

Silver Customers:

Account ID: 42
Name: Leonard Snart
Phone Number: 5054567823
Points: 184.5
Coupon: true

Account ID: 22
Name: Priscilla Rich
Phone Number: 5054562389
Points: 77.0
Coupon: true

The user can also modify the name, phone number and point total of a customer using an existing ID number.



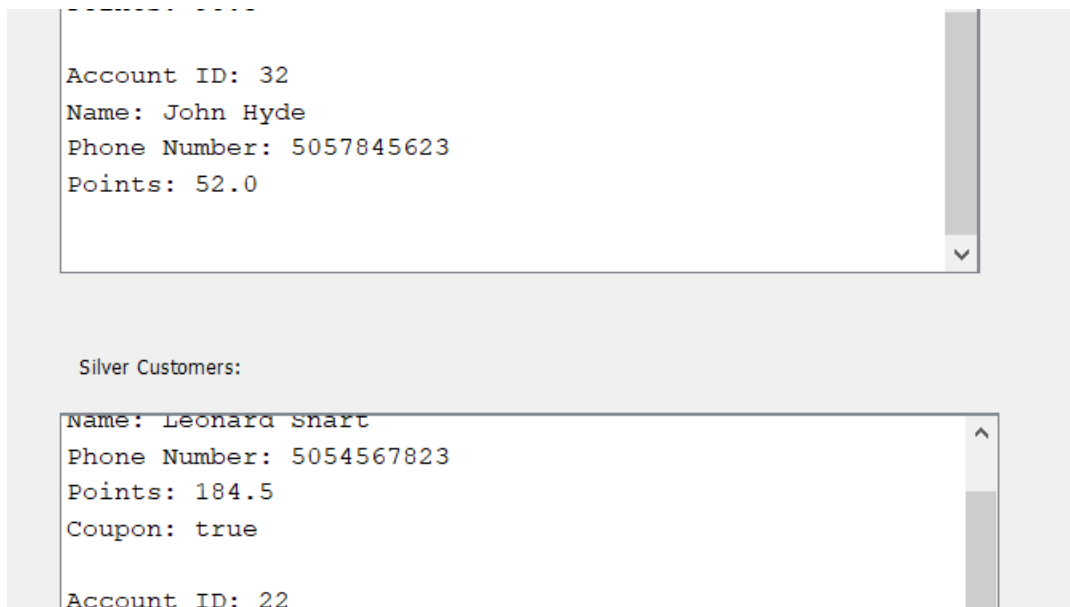
Customer Account ID: 32

Customer Name: John Hyde

Customer Phone Numer: i057845623

Customer Point Total: 52

Modify Customer



Account ID: 32
Name: John Hyde
Phone Number: 5057845623
Points: 52.0

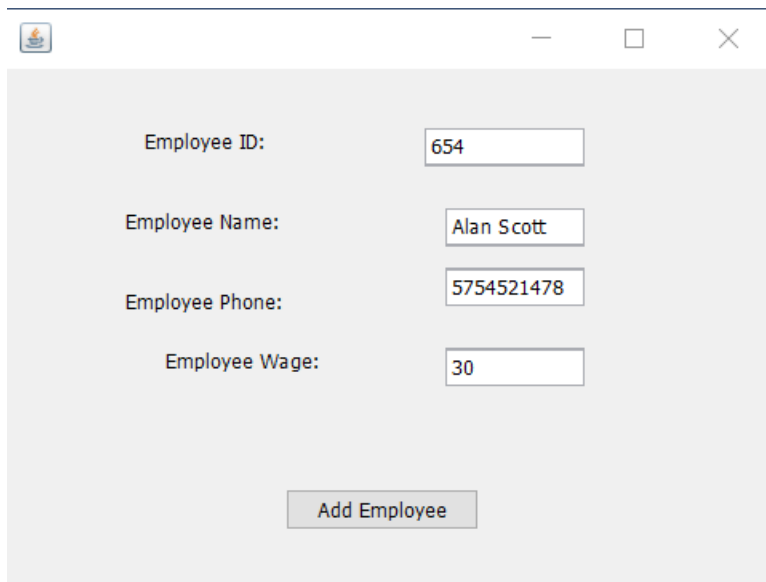
Silver Customers:

Name: Leonard Shart
Phone Number: 5054567823
Points: 184.5
Coupon: true

Account ID: 22

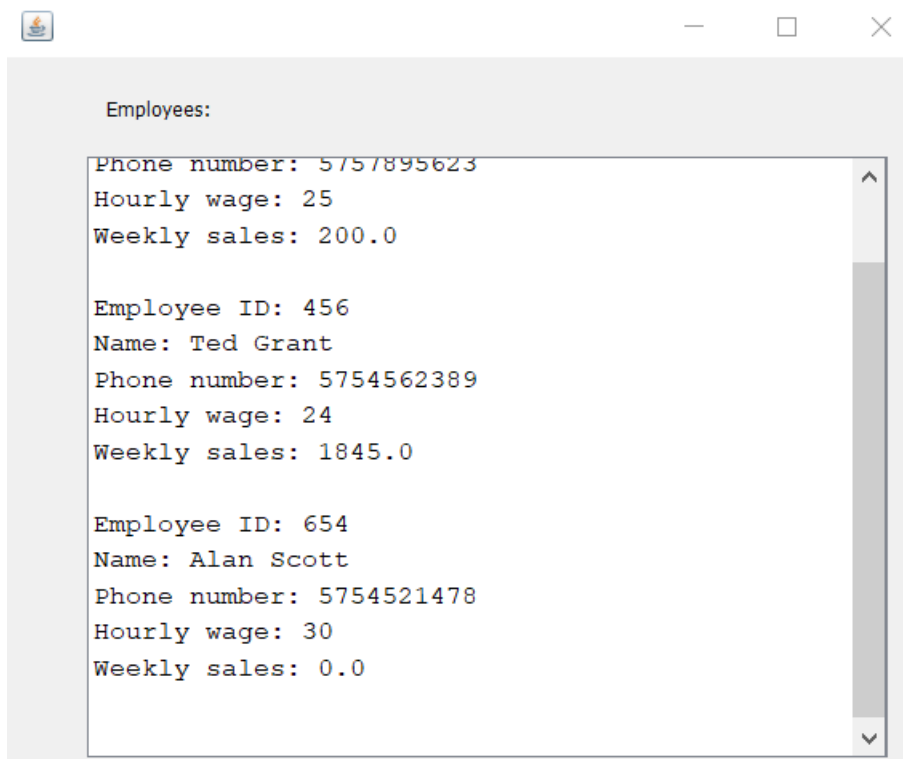
Finally, the system includes a similar database of employees at the store that new employees can be added to with their assigned ID, name and phone number with their weekly sales being initialized at zero and with one employee already in the system. Name and phone number

information for an employee can be modified using their current ID, with their weekly sales carrying over.



A window titled with a small icon and standard window controls (minimize, maximize, close). The window contains a form with four input fields and one button. The fields are labeled 'Employee ID:', 'Employee Name:', 'Employee Phone:', and 'Employee Wage:'. The values entered are '654', 'Alan Scott', '5754521478', and '30' respectively. At the bottom center is a button labeled 'Add Employee'.

Employee ID:	<input type="text" value="654"/>
Employee Name:	<input type="text" value="Alan Scott"/>
Employee Phone:	<input type="text" value="5754521478"/>
Employee Wage:	<input type="text" value="30"/>



A window titled with a small icon and standard window controls (minimize, maximize, close). The window contains a list of employees under the heading 'Employees:'. The list is displayed in a text area with a vertical scrollbar on the right. The data is as follows:

Phone number:	5757895623
Hourly wage:	25
Weekly sales:	200.0
Employee ID:	456
Name:	Ted Grant
Phone number:	5754562389
Hourly wage:	24
Weekly sales:	1845.0
Employee ID:	654
Name:	Alan Scott
Phone number:	5754521478
Hourly wage:	30
Weekly sales:	0.0

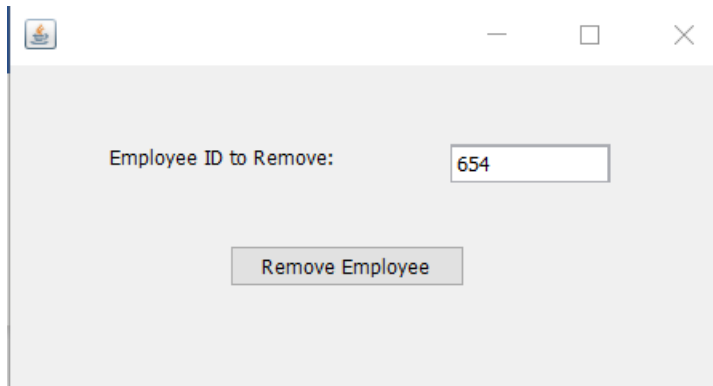
The image shows a Java Swing window titled "Employee Management". It contains a "Modify Employee" form with four input fields and a "Modify Employee" button. Below the form is a text area displaying the employee's details.

Field	Value
Employee ID:	654
Employee Name:	Al Scott
Employee Phone:	5052657894
Employee Wage:	35

Modify Employee

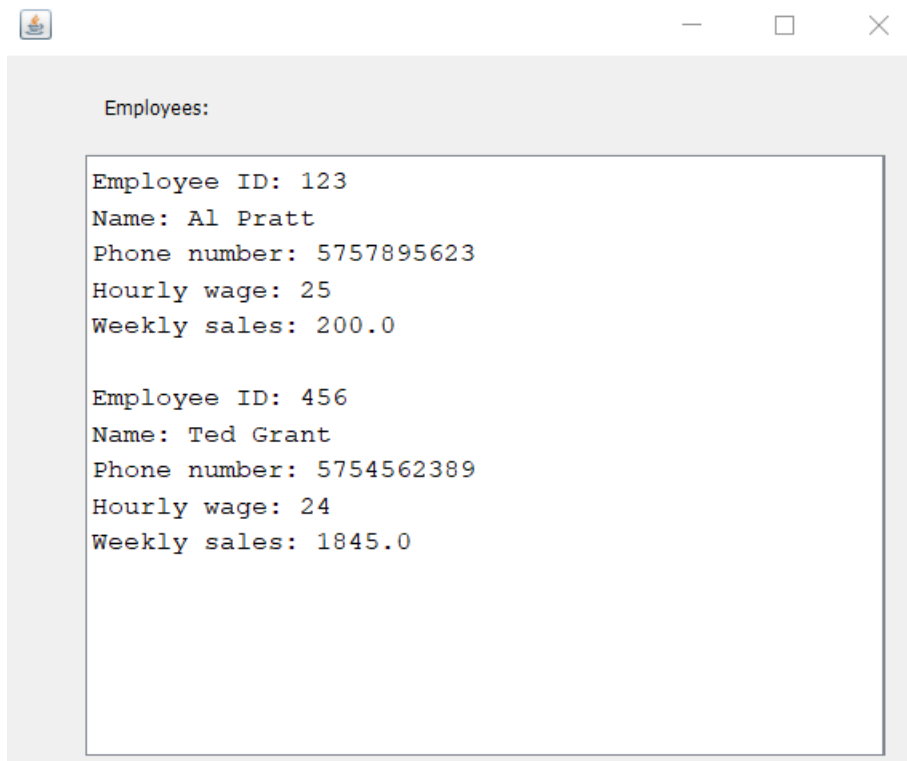
Employee ID: 654
Name: Al Scott
Phone number: 5052657894
Hourly wage: 35
Weekly sales: 0.0

Employees can also be removed from the system by entering their ID number.



A dialog box titled "Remove Employee" with a light gray background. It features a label "Employee ID to Remove:" followed by a text input field containing the number "654". Below the input field is a button labeled "Remove Employee". The window has a standard title bar with a minimize button, a maximize button, and a close button.

Employee ID to Remove:



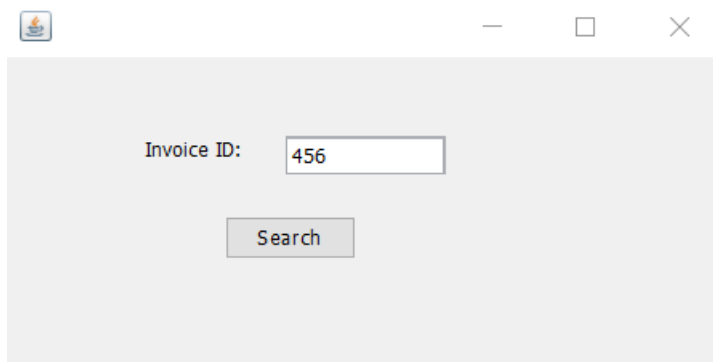
A dialog box titled "Employees" with a light gray background. It contains a list of employee details. The list is enclosed in a rectangular frame. The details for two employees are shown: Al Pratt (ID: 123) and Ted Grant (ID: 456). Each entry includes the employee ID, name, phone number, hourly wage, and weekly sales.

Employees:

```
Employee ID: 123
Name: Al Pratt
Phone number: 5757895623
Hourly wage: 25
Weekly sales: 200.0

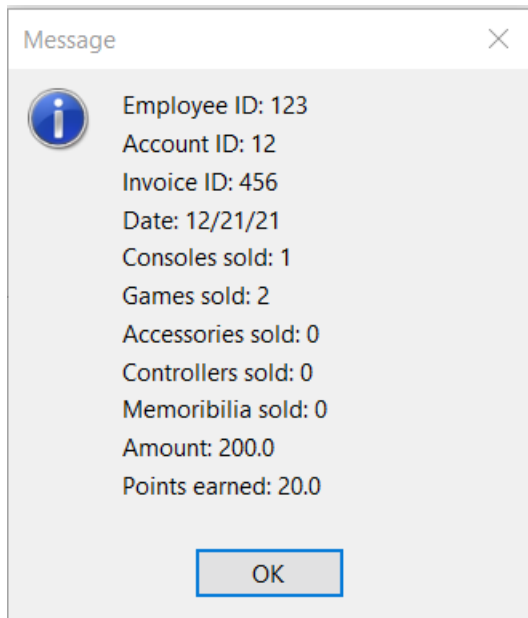
Employee ID: 456
Name: Ted Grant
Phone number: 5754562389
Hourly wage: 24
Weekly sales: 1845.0
```

Users can search the invoice database for specific Transaction IDs.

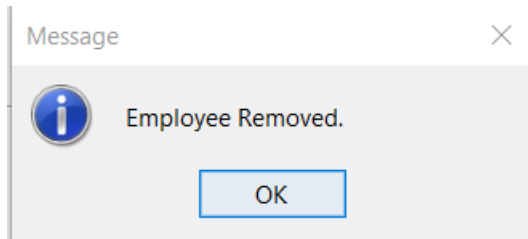


A dialog box titled "Search Invoice" with a light gray background. It features a label "Invoice ID:" followed by a text input field containing the number "456". Below the input field is a button labeled "Search". The window has a standard title bar with a minimize button, a maximize button, and a close button.

Invoice ID:



The system includes validation messages when actions are completed.



The system will also confirm when a user enters incorrect information in a menu.

