

RETAILER SYSTEM

BY GROUP 9

Team Members:

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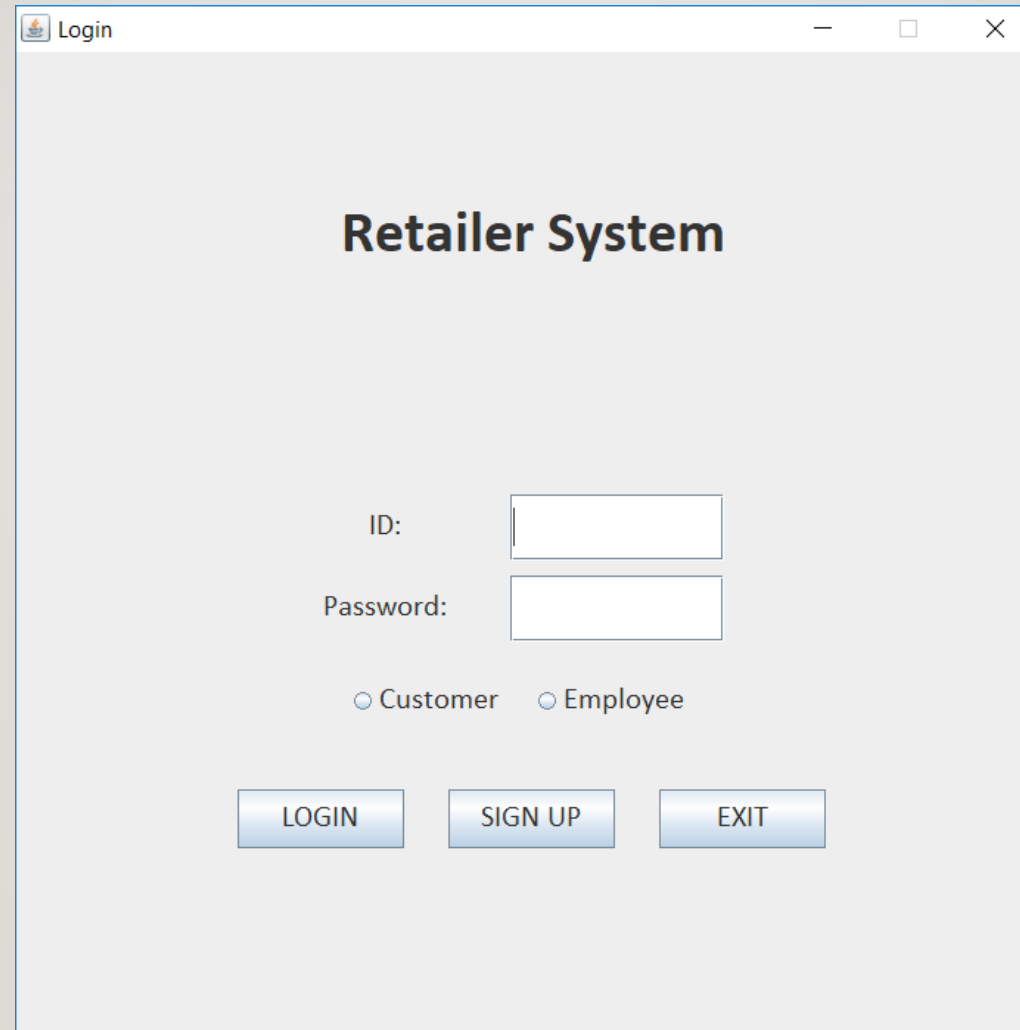
TEAM MEMBER CONTRIBUTIONS

- Aaron Vera Bravo – ER Diagram, DB Schema
- Junrui Gong – UI design and implementation
- Russi Sinha – Middleware implementation, JDBC

Common features for EMPLOYEES and CUSTOMERS

Login

This is the first step of the application where users can login as a customer or an employee. If they don't have an account, go to sign up (next slide)



The image shows a screenshot of a web application window titled "Login". The window has a light gray background and a blue border. At the top, there is a title bar with the text "Login" and standard window control buttons (minimize, maximize, close). The main content area features the title "Retailer System" in a large, bold, black font. Below the title, there are two input fields: "ID:" and "Password:". The "ID:" field is a simple text box, and the "Password:" field is a text box with a small eye icon on the right side. Below these fields, there are two radio buttons: "Customer" and "Employee". At the bottom of the form, there are three buttons: "LOGIN", "SIGN UP", and "EXIT". The "LOGIN" button is highlighted with a blue gradient. The "SIGN UP" and "EXIT" buttons are also highlighted with a blue gradient.

Login

Retailer System

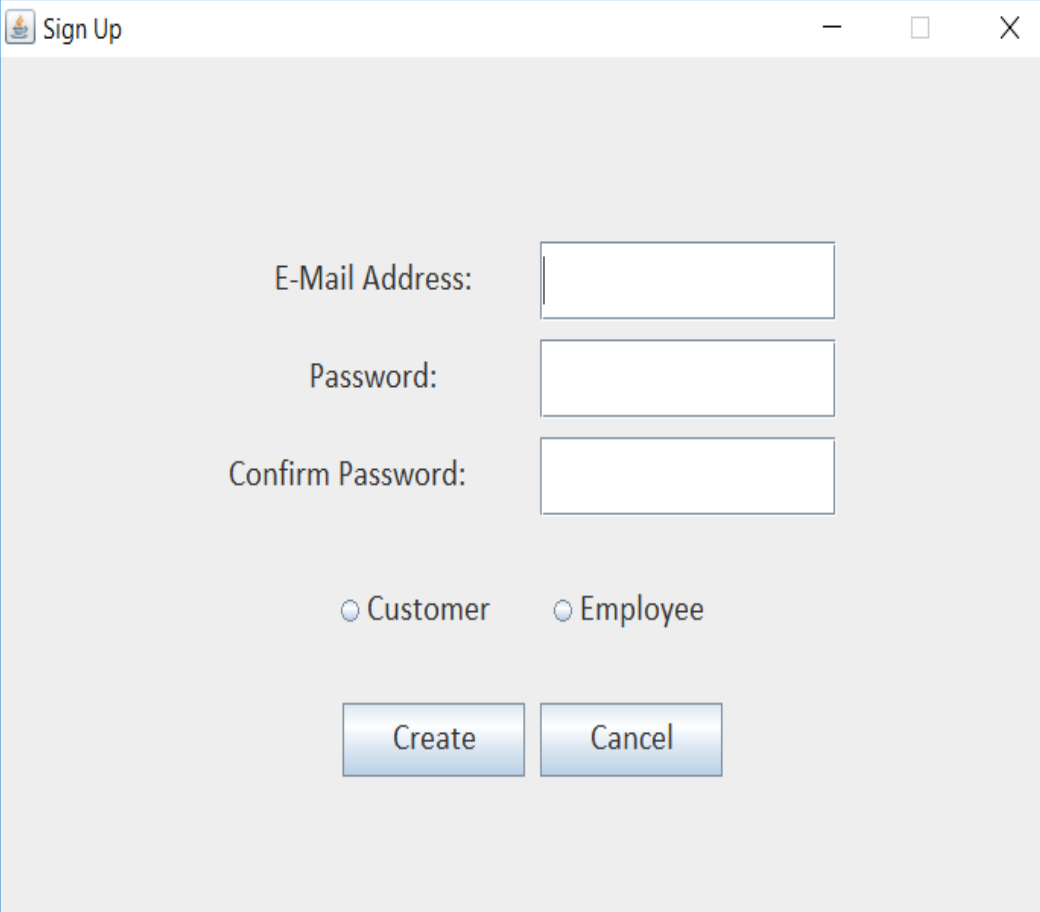
ID:

Password:

☐ Customer ☐ Employee

Sign Up

Users can create a new account as a customer or an employee.
After creating account, they can login from the login screen (previous slide)

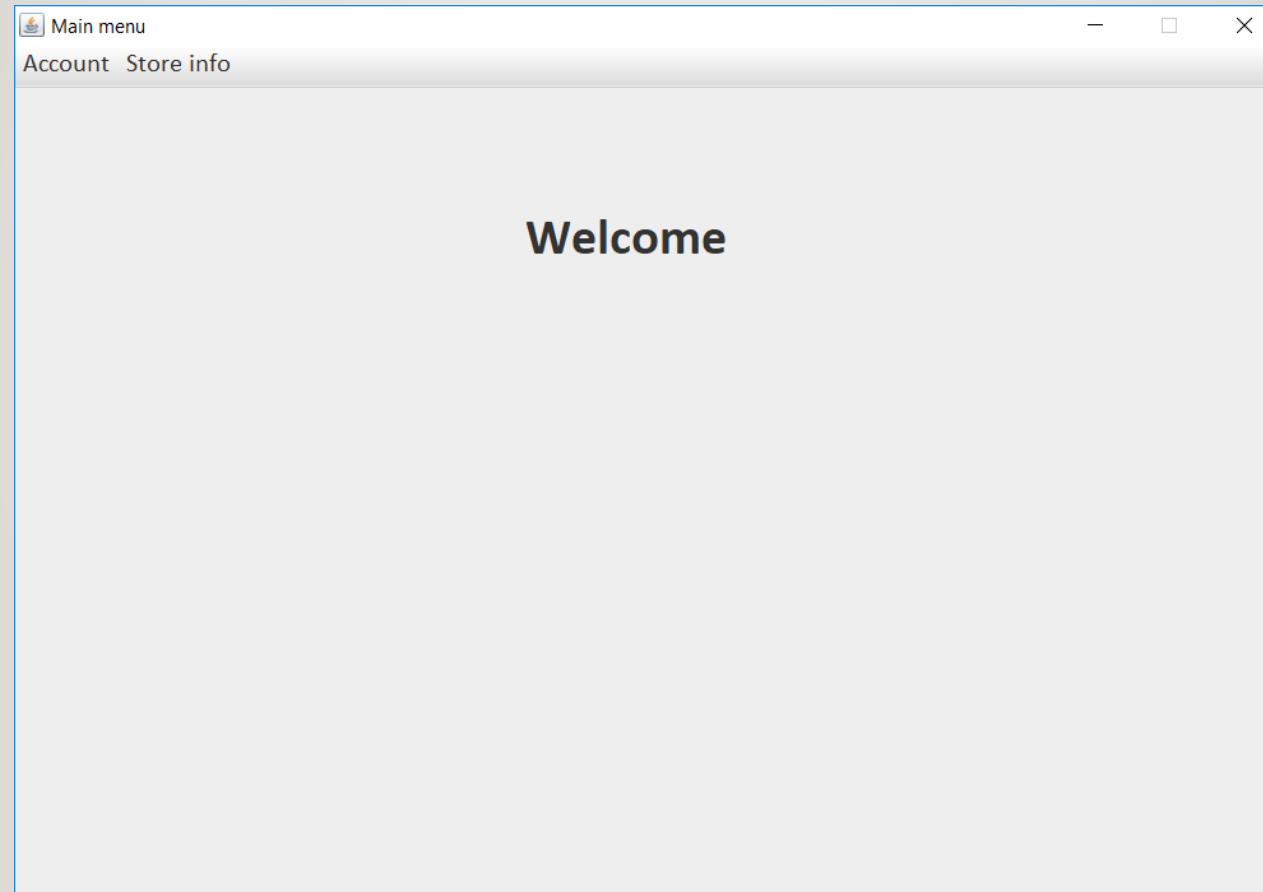


A screenshot of a 'Sign Up' dialog box. The window has a title bar with a small icon, the text 'Sign Up', and standard window controls (minimize, maximize, close). The main area is light gray and contains the following elements:

- E-Mail Address:** A text label followed by a white rectangular input field.
- Password:** A text label followed by a white rectangular input field.
- Confirm Password:** A text label followed by a white rectangular input field.
- Radio Buttons:** Two radio buttons are positioned below the password fields. The first is labeled 'Customer' and the second is labeled 'Employee'. Both are currently unselected.
- Buttons:** At the bottom, there are two rectangular buttons with a blue gradient. The left button is labeled 'Create' and the right button is labeled 'Cancel'.

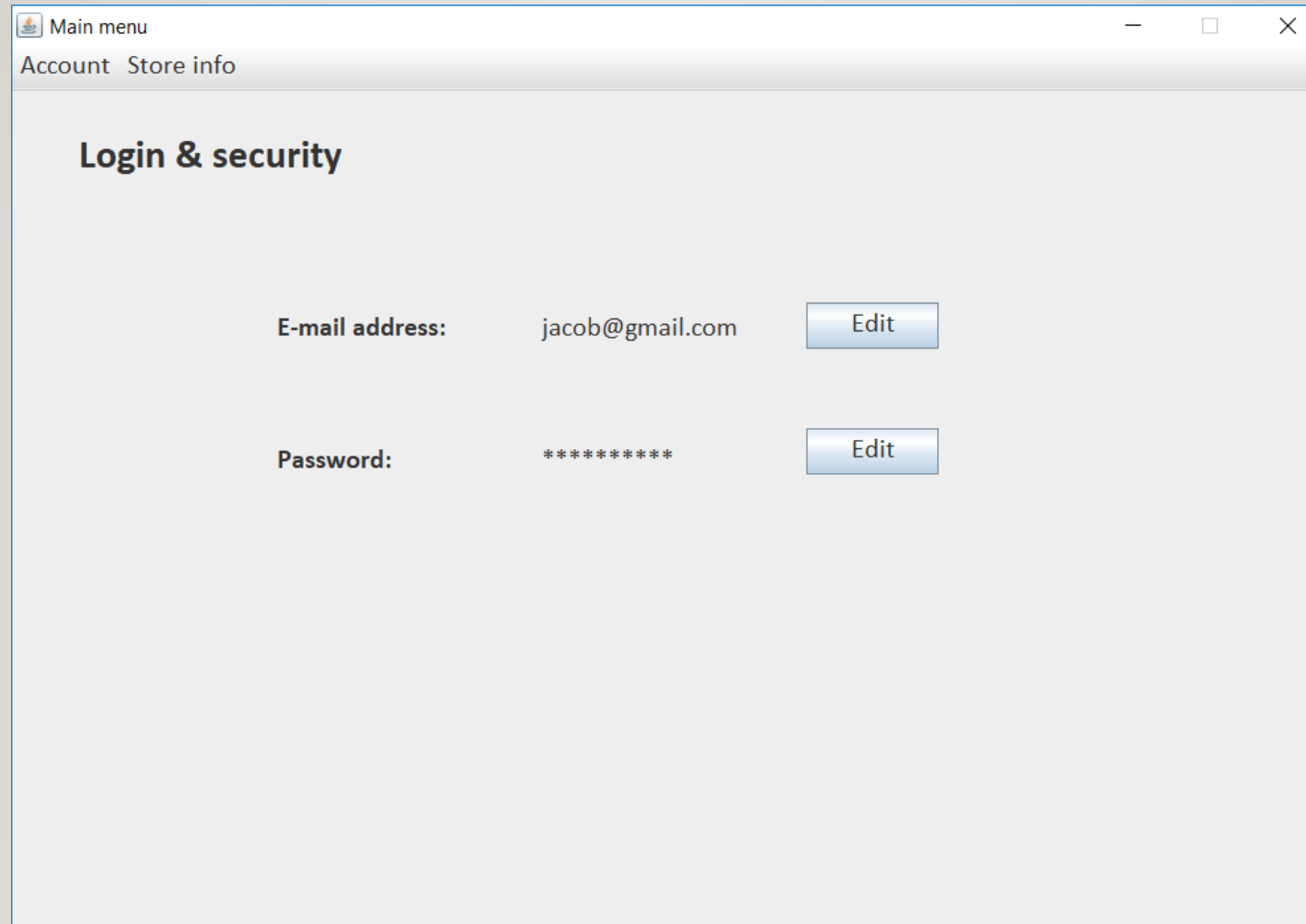
Welcome Screen

This is the landing screen after any user (customer/employee) has successfully logged in.



Login and Security

Users are allowed to change their email and password from here.



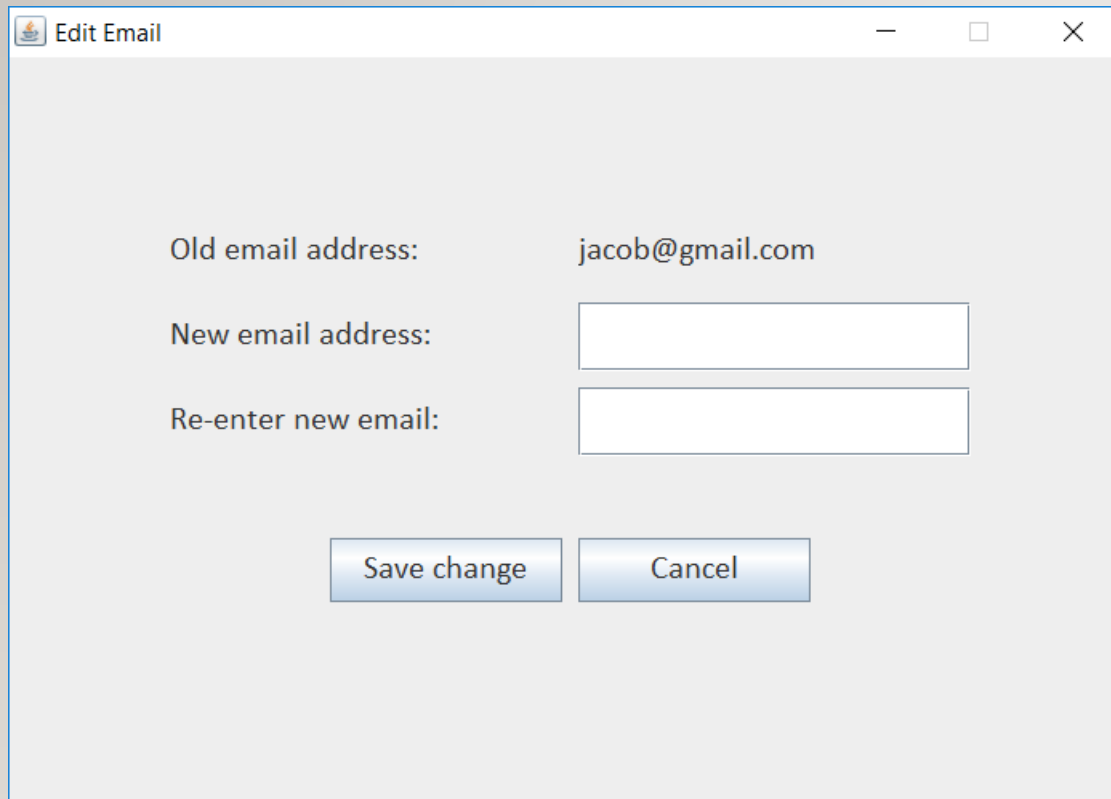
The screenshot shows a web application window titled "Main menu" with a sub-header "Account Store info". The main content area is titled "Login & security". It contains two rows of settings. The first row is for the "E-mail address", which is currently "jacob@gmail.com", with an "Edit" button to its right. The second row is for the "Password", which is currently masked with "*****", also with an "Edit" button to its right. The interface is clean and modern, with a light gray background and blue buttons.

Login & security		
E-mail address:	jacob@gmail.com	Edit
Password:	*****	Edit

Edit Email

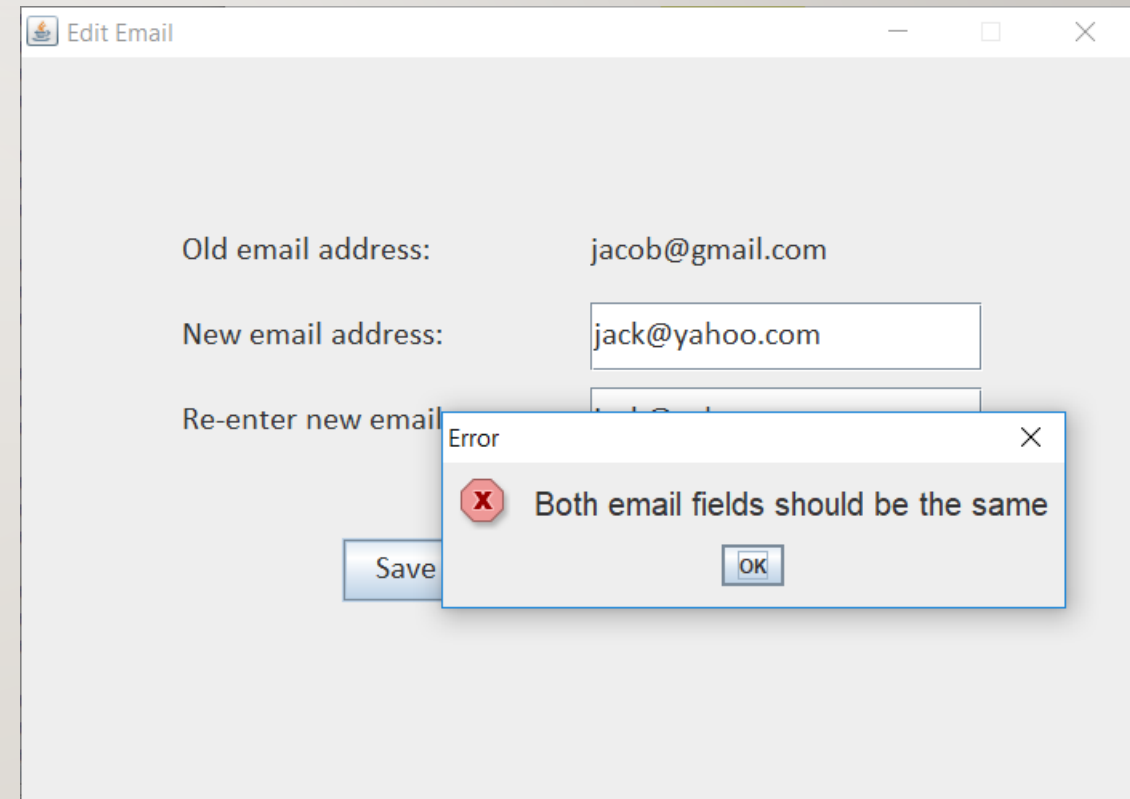
For changing the email, the new email needs to be provided and clicking on “Save” saves the new email to the database.

If email does not match in both the fields, it displays an error message.



The 'Edit Email' dialog box contains the following elements:

- Old email address: jacob@gmail.com
- New email address:
- Re-enter new email:
- Buttons: Save change, Cancel



The 'Edit Email' dialog box shows the state after an attempt to save with mismatched emails. An error message is displayed over the 'Save' button:

Error

Both email fields should be the same

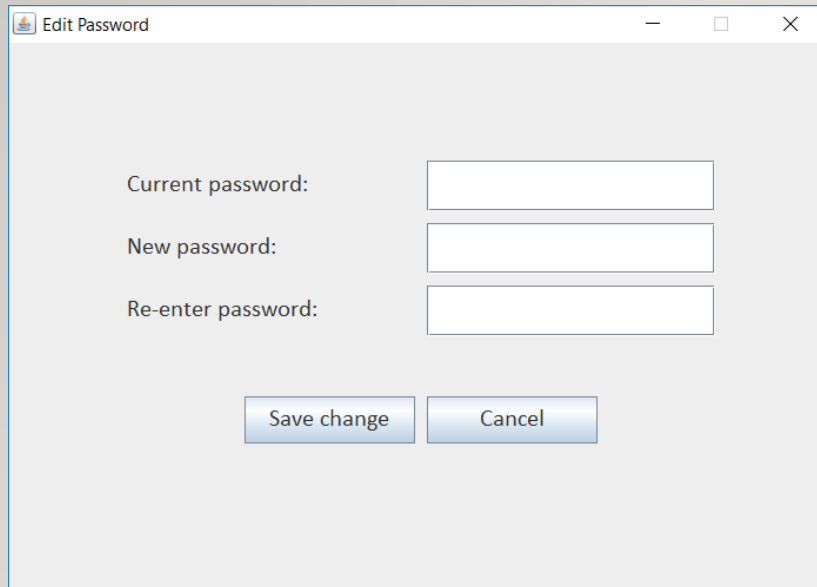
Buttons: Save, OK

Edit Password

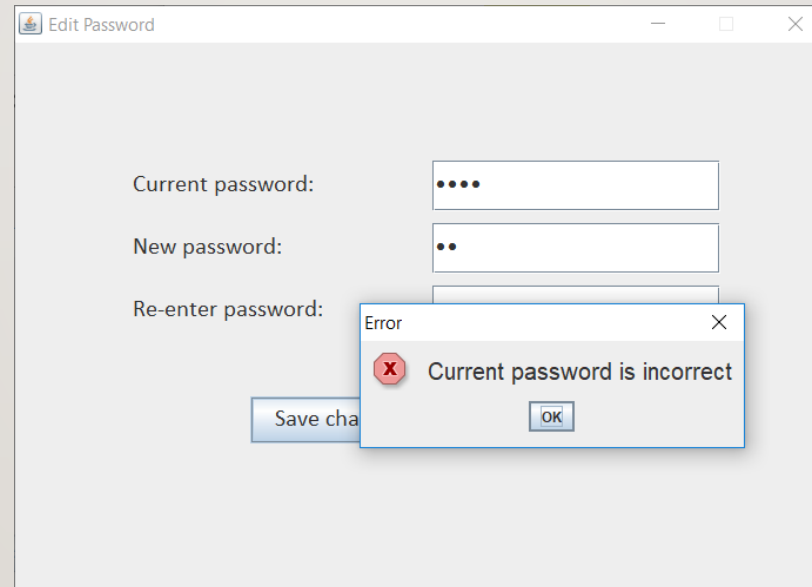
For changing the password, the new password needs to be provided and clicking on “Save” saves the new password to the database.

If old password does not match in “Current Password” field, it displays an error message

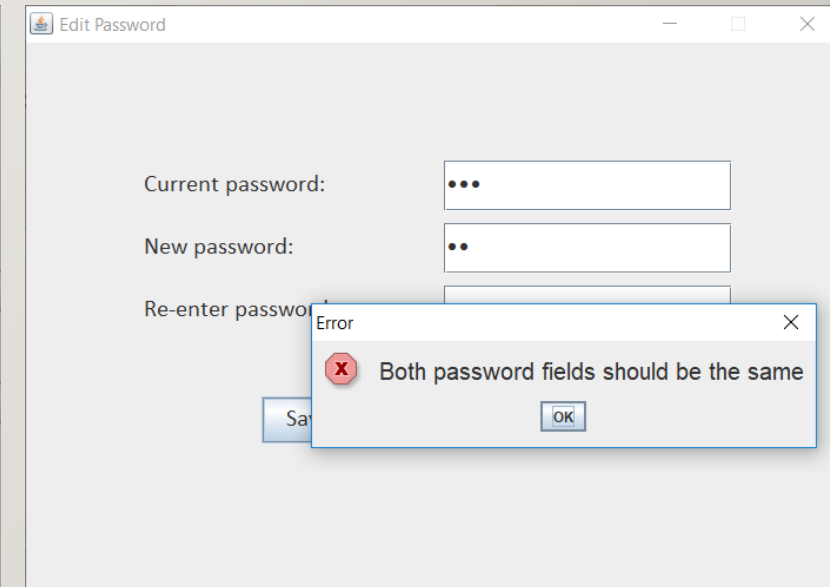
If new password does not match in both the fields, it displays an error message.



The 'Edit Password' dialog box contains three input fields: 'Current password:', 'New password:', and 'Re-enter password:'. Below the fields are two buttons: 'Save change' and 'Cancel'.



The 'Edit Password' dialog box shows the 'Current password' field filled with four dots. An error message box is displayed over the 'Save change' button, stating 'Error' and 'Current password is incorrect' with an 'OK' button.



The 'Edit Password' dialog box shows the 'New password' field filled with two dots and the 'Re-enter password' field filled with three dots. An error message box is displayed over the 'Save change' button, stating 'Error' and 'Both password fields should be the same' with an 'OK' button.

Features for EMPLOYEES

Store Information

This displays a list of all products from all the stores that are currently available. Employees can also filter this list of products based on UPC (partial matching)

Main menu

AccountStore info

Store information:

Search UPC

Name of store	UPC	Name of product	Brand	Price per unit	Quantity	Size
Big Value	01234567891	laptop	Dell	500.0	30	M
Big Value	01262145236	notebook	IIT	5.0	25	S
Big Value	02548931662	jacket	The North Face	100.0	10	M
Big Value	02154741526	iPhone	Apple	600.0	40	S
Big Value	25148996326	perfume	Axe	60.0	35	S

Add new Product

Add amount

Main menu

AccountStore info

Store information:

12

Search UPC

Name of store	UPC	Name of product	Brand	Price per unit	Quantity	Size
Big Value	01234567891	laptop	Dell	500.0	30	M
Big Value	01262145236	notebook	IIT	5.0	25	S

Add new Product

Add amount

Update Quantity

This allows an employee to update a quantity of any existing product.

Note: The value provided by the employee does not replace the old value. Instead it increments the given amount to the old amount (incremental update)

The screenshot displays a software interface with a modal dialog box titled "Add amount" in the foreground. The dialog box contains a label "Amount:" followed by a text input field, and two buttons at the bottom: "Confirm" and "Cancel".

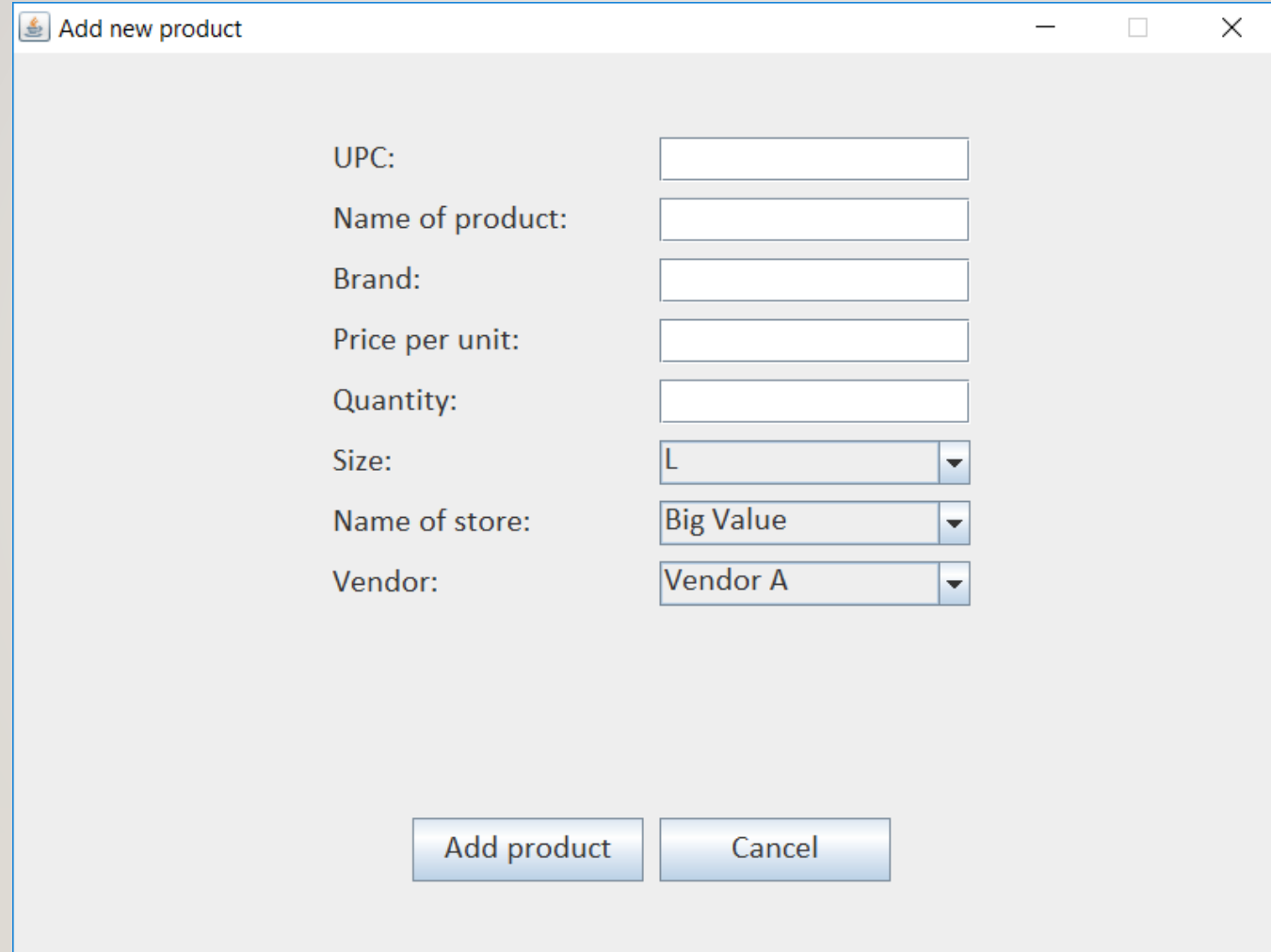
In the background, a product list is visible. It includes a search bar with a "Search UPC" button and a table with the following data:

Price per unit	Quantity	Size
0	30	M
	25	S
0	10	M
0	40	S
	35	S

At the bottom of the main window, there are two buttons: "Add new Product" and "Add amount".

Add New Product

Employee can add new products by providing the details of the product and the store the product is being added to and the vendor from which the store has received the product

A screenshot of a software dialog box titled "Add new product". The dialog box has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. The main area of the dialog contains a form with several input fields. The first five fields are text boxes: "UPC:", "Name of product:", "Brand:", "Price per unit:", and "Quantity:". The next three fields are dropdown menus: "Size:" (with "L" selected), "Name of store:" (with "Big Value" selected), and "Vendor:" (with "Vendor A" selected). At the bottom of the dialog, there are two buttons: "Add product" and "Cancel".

Add new product

UPC:

Name of product:

Brand:

Price per unit:

Quantity:

Size:

Name of store:

Vendor:

Add New Product (Contd.)

Before a new product is added, the UPC is first checked if the same UPC code exists or not for another product. If it exists, then an error message is displayed.

If an employee tries to add an item with the quantity larger than the capacity of the warehouse it displays an error message along with the capacity available for the warehouse.

The screenshot shows a window titled "Add new product" with the following fields and values:

- UPC: 01234567891
- Name of product: jacket
- Brand: The North Face
- Price per unit: 11
- Quantity: 111111
- Size: (empty)
- Name of store: (empty)
- Vendor: (empty)

An error dialog box is displayed in the center with the message "UPC already exists" and an "OK" button.

At the bottom of the window are two buttons: "Add product" and "Cancel".

The screenshot shows a window titled "Add new product" with the following fields and values:

- UPC: 123456
- Name of product: jacket
- Brand: The North Face
- Price per unit: 11
- Quantity: 111111
- Size: (empty)
- Name of store: (empty)
- Vendor: (empty)


An error dialog box is displayed in the center with the message "Storage space remaining: 861" and an "OK" button.

At the bottom of the window are two buttons: "Add product" and "Cancel".

Features for CUSTOMERS

Address


Each customer has an address saved to which they would like to get the order delivered. Customers can also edit their address.

 Your addresses

Your address:

First name	Last name	Street	Apartment	City	State	ZIP code	Country	Phone
John	Smith	123 Candy Cane ...	5310	Chicago	Illinois	60103	United States	3127745666

Modify

 Edit Email address

First Name:

John

Last name:

Smith

Street:

123 Candy Cane Lane

Apartment:

5310

City:

Chicago

State:

Illinois

ZIP Code:

60103

Phone number:

3127745666

Country:

United States

Save change

Cancel

Credit Card Each customer has a list of credit cards which they have saved using which they can make payments to their purchases. Users can add/modify/delete cards.
If customer chooses to add anew card, a blank popup is displayed for user to provide card details.
If customer chooses to edit an existing card, a pre-populated popup is displayed with the details of the card which user wants to update.

Your credit cards

Your credit cards:

Name on card	Card number	Expiration date	CW
John Smith	4714562315489560	01/19	889
John Smith	1514662345489560	02/19	501

Add

Modify

Delete

Add credit card

Name on card

Card number

CW

Expiration date: MM/YY

Add

Cancel

Edit credit card

Name on card

Card number

CW

Expiration date: MM/YY

John Smith

4714562315489560

889

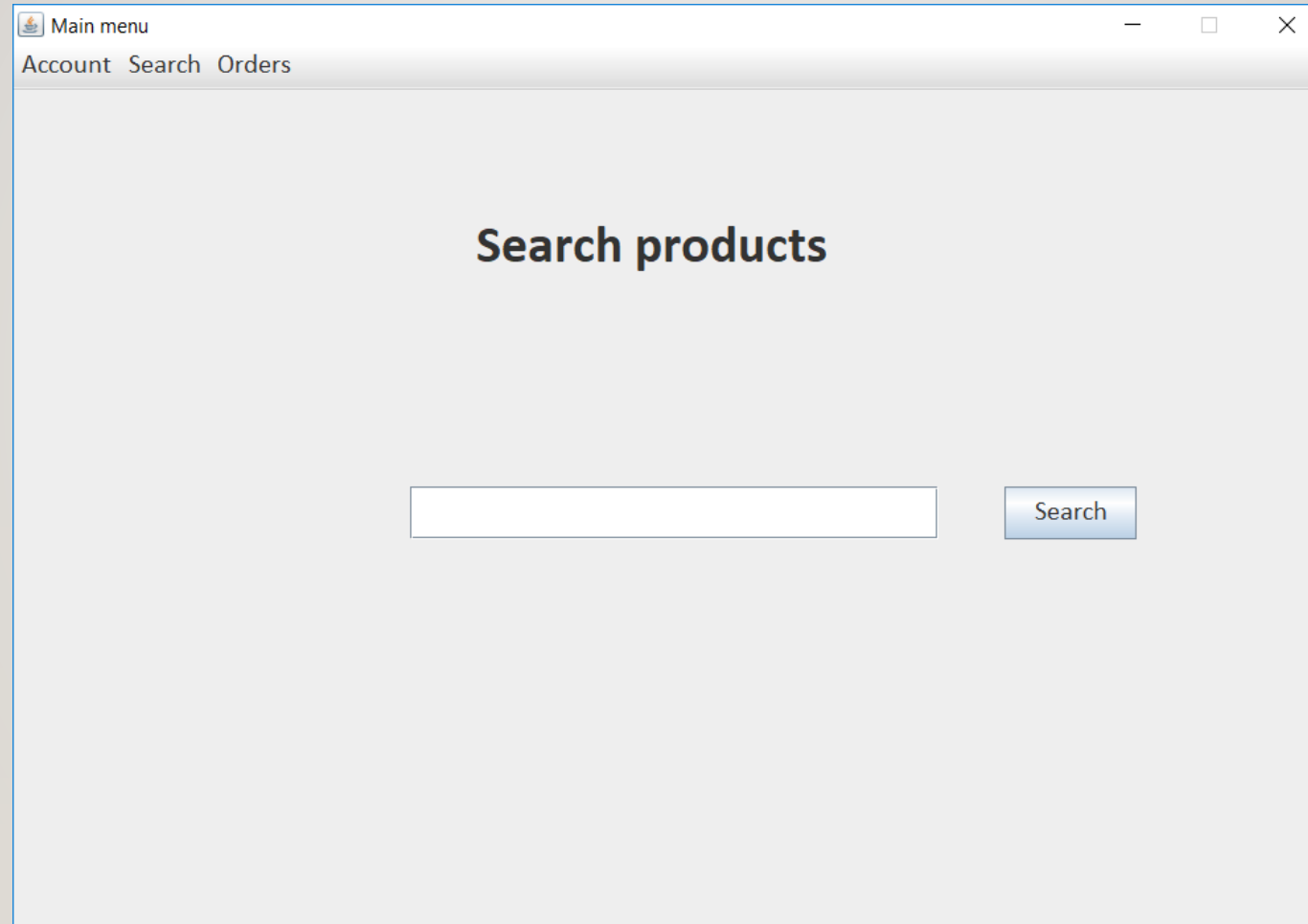
01/19

Save change

Cancel

Product Search

Customers can search for a product name from this screen. It is a partial search so if user searches without any keyword, it displays all products.



The screenshot shows a web application window titled "Main menu" with a navigation bar containing "Account", "Search", and "Orders". The main content area is titled "Search products" and features a search input field and a "Search" button.

Search products

Product List

After clicking on “Search” from the previous slide, a list of products are displayed to a user. Users can add products to cart by selecting a product, choosing quantity and then clicking on “Add to cart”. A confirmation message is displayed after being successfully added to cart.

Note: If same product is added to cart again, it does not create a new record, instead updates the quantity of the previously added product.

Search products

Result:

UPC	Name	Price	Tax(%)	Brand	Store	Qty
01234567891	laptop	500.0	10	Dell	Big Value	30
01262145236	notebook	5.0	10	IIT	Big Value	25
02548931662	jacket	100.0	10	The North Face	Big Value	10
02154741526	iPhone	600.0	10	Apple	Big Value	40
25148996326	perfume	60.0	10	Axe	Big Value	35

Quantity: 1

Add to cart

Cancel

Search products

Result:

UPC	Name	Price	Tax(%)	Brand	Store	Qty
01234567891	laptop	500.0	10	Dell	Big Value	30
01262145236	notebook	5.0	10	IIT	Big Value	25
02548931662	jacket	100.0	10	The North Face	Big Value	10
02154741526	iPhone	600.0	10	Apple	Big Value	40
25148996326	perfume	60.0	10	Axe	Big Value	35

Success

Product addeed

OK

Quantity: 1

Add to cart

Cancel

User Cart

This list displays all products which have been added to the cart along with the total amount of all products (including tax).

Users can change the quantity of any product. Products can also be removed from the cart by using the “Remove” button.

Note: If a quantity of a product is changed to 0, the product is automatically removed from the cart.

Your cart

Your cart:

UPC	Name	Price per unit	Tax(%)	Quantity	Brand
02548931662	jacket	100.0	10	1	The North Face

Subtotal: 110.0

Check out

Modify quant...

Remove

Cancel

Checkout When user checks out from the cart, it displays the current address of the user, the credit card details and the total amount of all the products + taxes.
Users can change the credit card using which they would like to make the payment.

Checkout

Shipping Address

John Smith

123 Candy Cane Lane

5310

Chicago, Illinois,
United States

3127745666

Credit card

Ending with 9560

Change

Order Summery

Total before tax: 100.0

Estimated tax to be collected: 10.0

Total: 110.0

Place your order

Cancel

Select credit card

Select a credit card:

Name on card	Card number	Expiration date	CW
John Smith	4714562315489560	01/19	889
John Smith	1514662345489560	02/19	501

ConfirmCancel

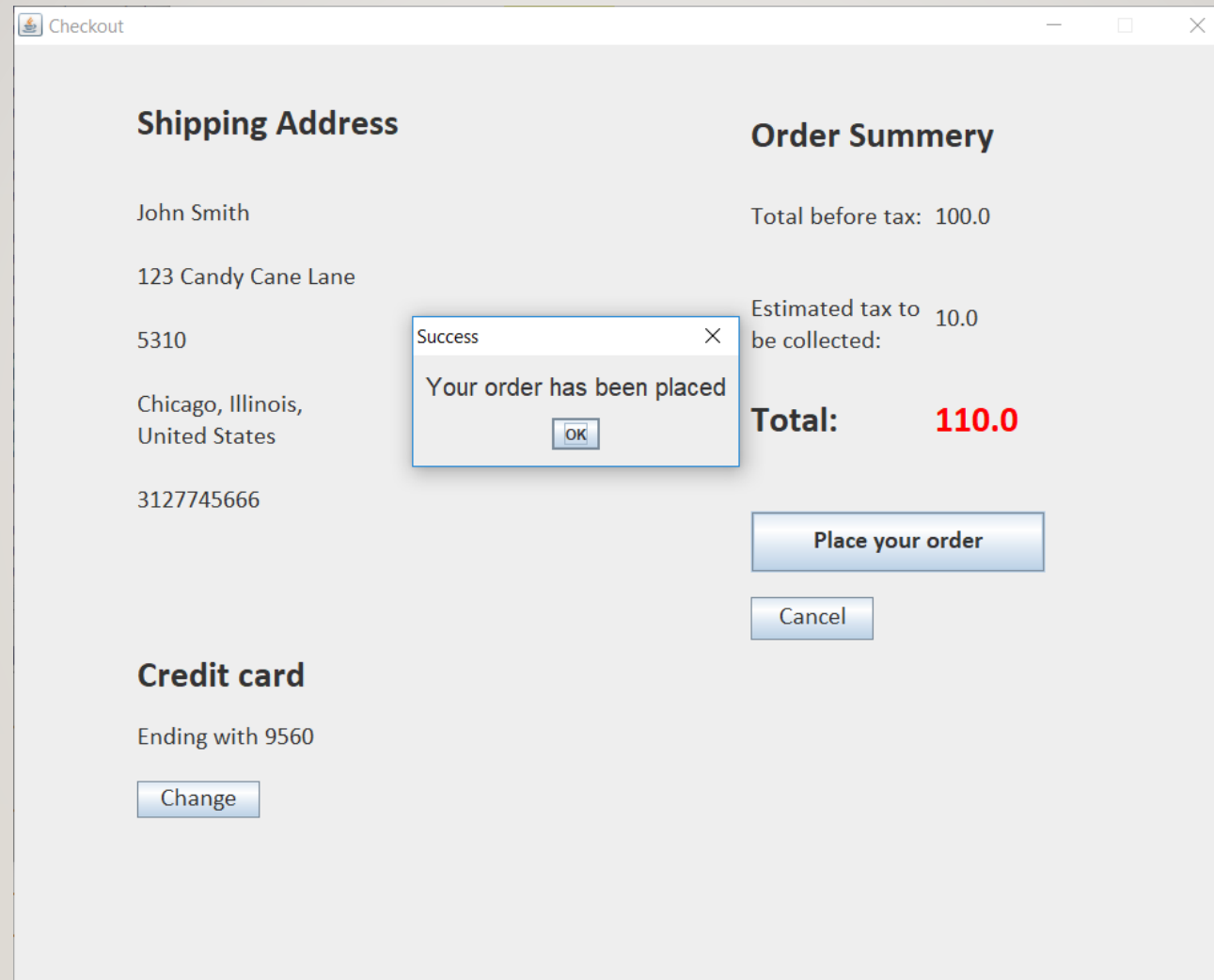
Credit card

Ending with 9560

Change

Checkout (Contd.)

After user selects a credit card for payment, user needs to confirm the order by clicking “Place your order”. On doing so, the order will be confirmed and a confirmation message will be displayed.



The screenshot shows a web application window titled "Checkout". It is divided into three main sections: "Shipping Address", "Order Summary", and "Credit card".

Shipping Address: Displays the name "John Smith", address "123 Candy Cane Lane", zip "5310", city "Chicago, Illinois, United States", and phone number "3127745666".

Order Summary: Shows "Total before tax: 100.0", "Estimated tax to be collected: 10.0", and a bold "Total: 110.0". Below this are two buttons: "Place your order" and "Cancel".

Credit card: Shows "Ending with 9560" and a "Change" button.

A modal dialog box titled "Success" is overlaid in the center, displaying the message "Your order has been placed" and an "OK" button.

Orders

This list displays all the orders for the logged in customer in the past. It displays the product details and the date on which it was purchased.

Main menu				
Account Search Orders				
Your Orders				
Order number	Name of Product	Quantity	Amount paid	Purchase date
1	jacket	1	110.0	2017-12-05 22:57:47.0

THANK YOU
