

# **University of Technology, Jamaica**



**Module Name:** Advanced Programming

**Module Code:** CIT3009

**Title:** Advanced Programming Group Project

## **Group Members**

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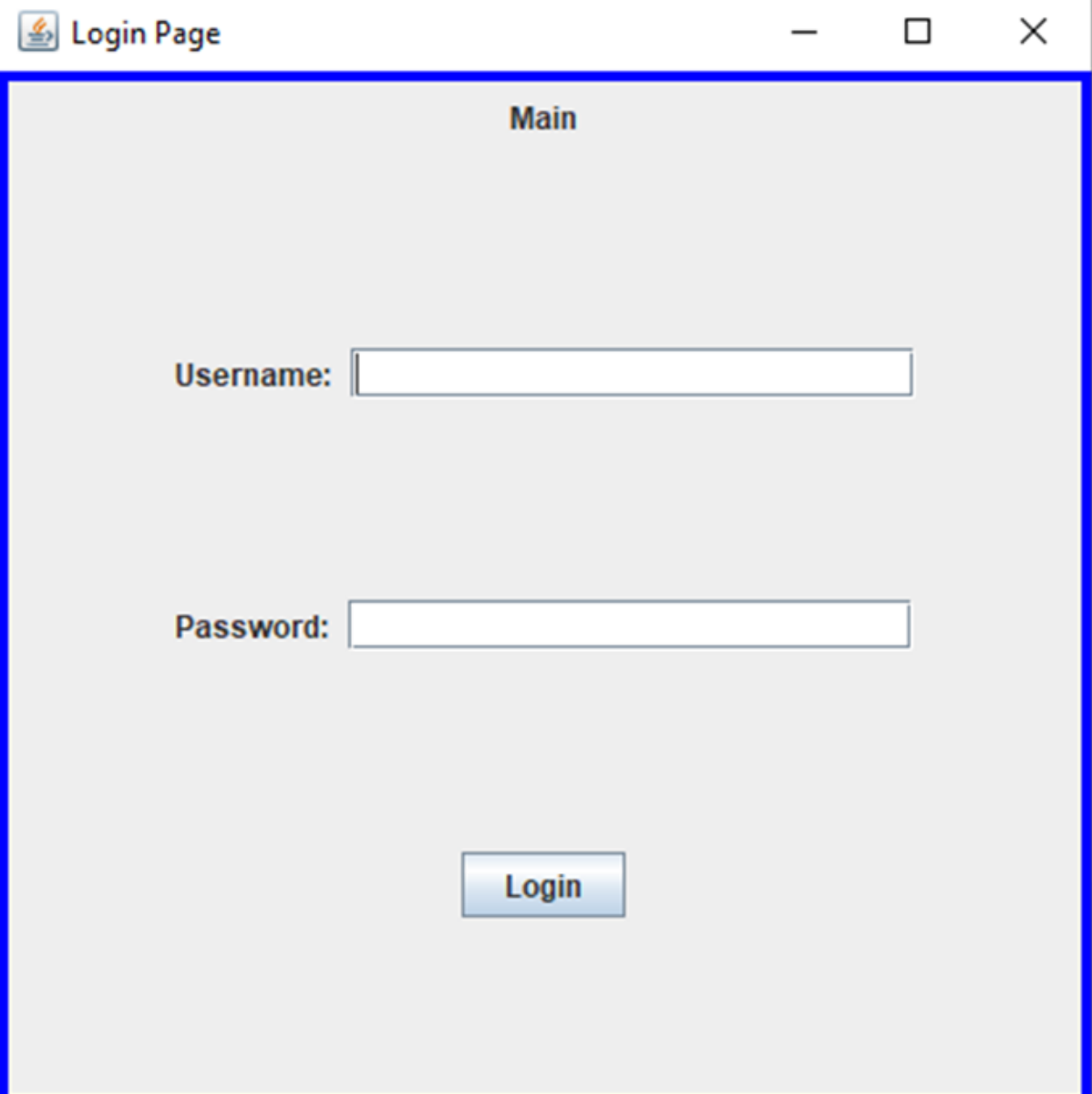
**Teacher:** Mr. Christopher Panther

**Day/Time:** Wednesday 3pm - 6pm

**Date of Submission:** November 11, 2022

## Application User Manual

### Login Page



The screenshot shows a window titled "Login Page" with a standard Windows-style title bar (minimize, maximize, close buttons). The main content area has a light gray background and is labeled "Main" at the top center. It contains two input fields: "Username:" and "Password:", each followed by a text box. Below these fields is a "Login" button. The entire window is outlined with a thick blue border.

Username:

Password:

Login

After the user runs the program, the user will be presented with the login page, where they will input their username and password to gain access to the dashboard and its related features.

## DashBoard



Once the user enters the correct credentials that are inside of the database, they will be logged in, where they will be presented with the dashboard. On the dashboard the user has the options of viewing the customer database, staff database, stock and inventory. They also have the options of checking out a customer, viewing of sales report, registering a customer or staff and logging out which will return a user to the login page .

## Customer Database

Customer Database

Navigation

Logout

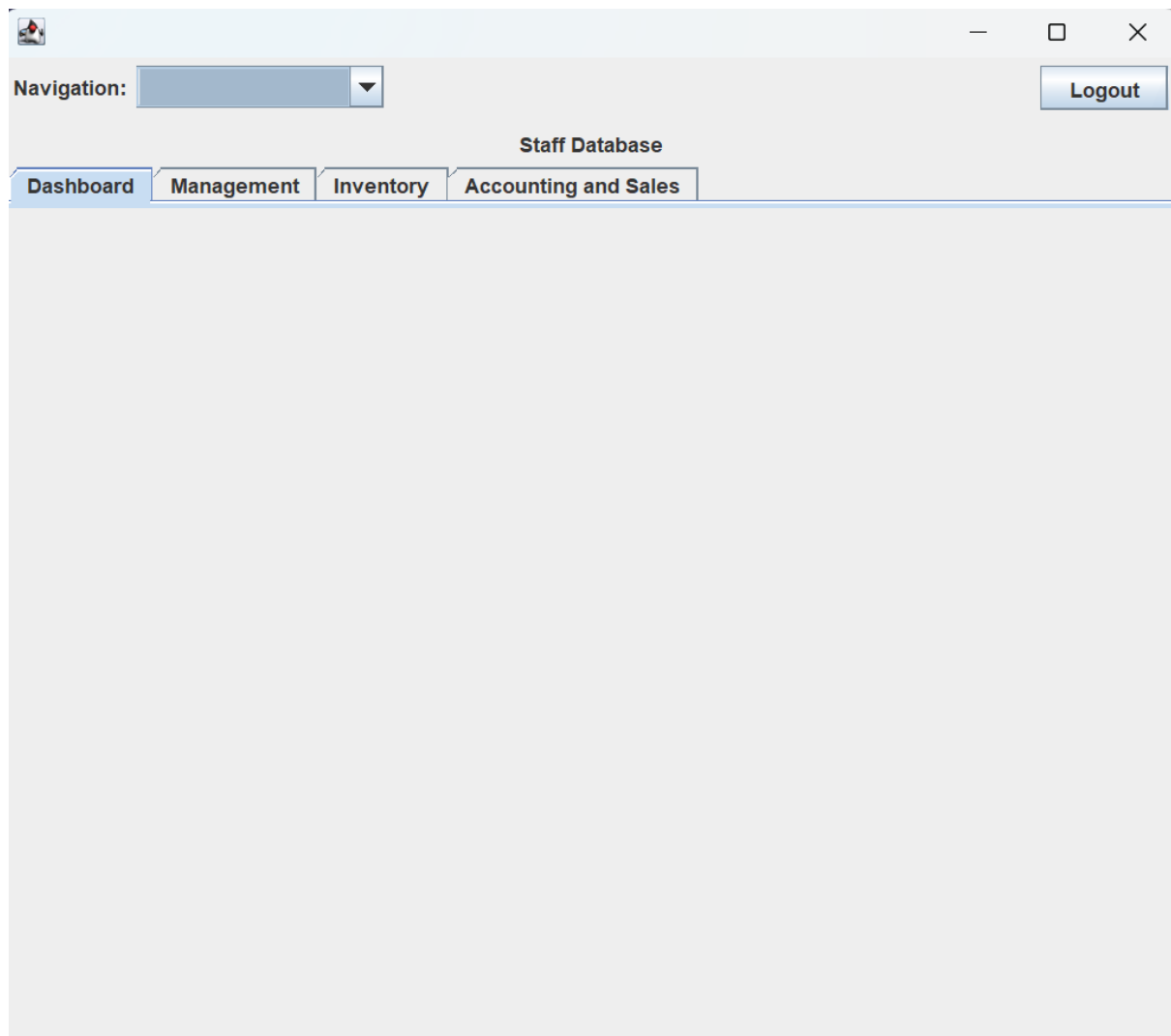
Search

Search

Customer ID	Name	DOB	Address	Telephone	Email	Date of Membership	Date of Membership Expiry
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Upon viewing the customer database the user will be presented with the information entered during registration such as name and date of birth. The user will have the option of searching the database for a specific customer by entering the customer identification number(id) in the search button. The user will also have the option of logging out via the logout button or move to another page using the navigation dropdown list.

## Staff Database



The user will be allowed to view the staff database. The employees will fall under three categories namely management, inventory, and accounting and sales. Upon viewing each category the user will be presented with the employee name and their department code. The user will also have the option of logging out via the logout button or move to another page using the navigation dropdown list.

## Stock and Inventory

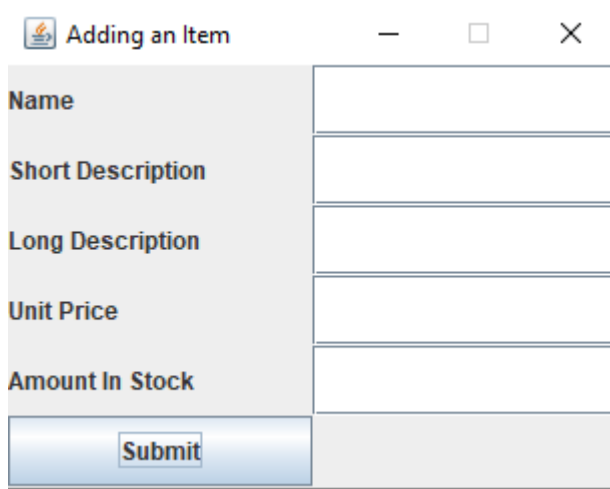
The screenshot shows a web application window titled "Stock and Inventory". At the top left, there is a "Navigation:" label followed by a dropdown menu. At the top right, there is a "Logout" button. The main content area is a table with the following columns: "Product Code", "Name", "Short Description", "Long Description", "Items in Stock", and "Unit Price". The table is currently empty. At the bottom of the window, there are three buttons: "Update", "Delete", and "Insert".

Stock and Inventory					
Product Code	Name	Short Description	Long Description	Items in Stock	Unit Price

Update Delete Insert

The stock and inventory page will be used to view, update, delete and insert and product. The user will also have the option of logging out via the logout button or move to another page using the navigation dropdown list.

## Stock and Inventory: Adding an Item

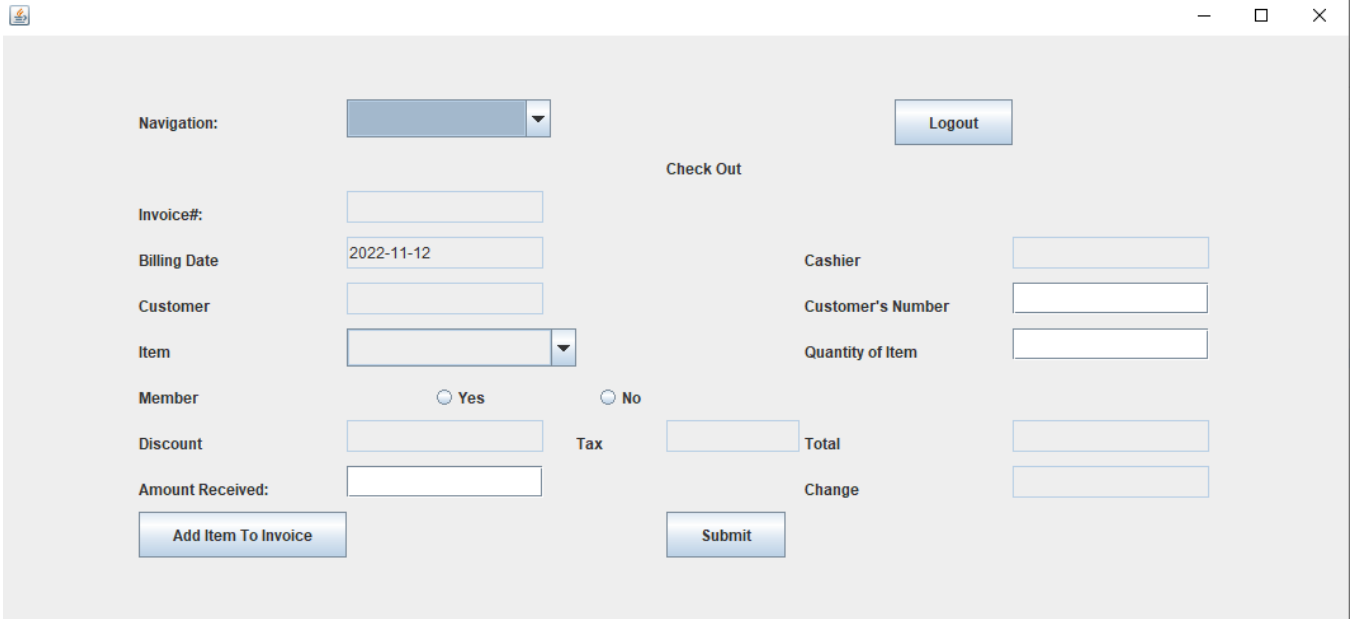


The image shows a web form titled "Adding an Item" with a standard window header (minimize, maximize, close buttons). The form is divided into two main sections. The left section is a light gray sidebar containing labels for the input fields: "Name", "Short Description", "Long Description", "Unit Price", and "Amount In Stock". The right section contains five corresponding white input fields. At the bottom of the sidebar is a blue "Submit" button. The bottom right of the form area is a light gray rectangular space.

<b>Name</b>	<input type="text"/>
<b>Short Description</b>	<input type="text"/>
<b>Long Description</b>	<input type="text"/>
<b>Unit Price</b>	<input type="text"/>
<b>Amount In Stock</b>	<input type="text"/>
<b>Submit</b>	

When the insert button is clicked on the stock and inventory page, the user will be redirected to adding an item page. Here the user will be prompted to enter specific information about the item. Upon clicking the submit button the information will be saved to the stock and inventory database for further use.

## CheckOut



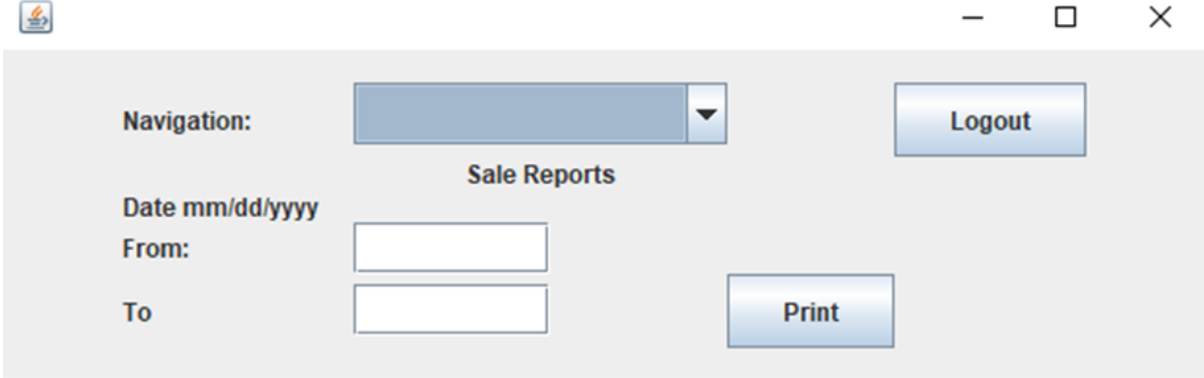
The screenshot shows a web browser window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The page content is a checkout form with a light gray background. At the top left, there is a 'Navigation:' label followed by a dropdown menu. To the right of this is a 'Logout' button. The main title 'Check Out' is centered at the top. The form is organized into two columns. The left column contains fields for 'Invoice#:', 'Billing Date' (with the value '2022-11-12'), 'Customer', 'Item' (with a dropdown arrow), 'Member' (with radio buttons for 'Yes' and 'No'), 'Discount', and 'Amount Received:'. Below these fields are two buttons: 'Add Item To Invoice' and 'Submit'. The right column contains fields for 'Cashier', 'Customer's Number', 'Quantity of Item', 'Total', and 'Change'. The 'Submit' button is located at the bottom center of the form.

Navigation:	<input type="text"/>			<button>Logout</button>	
Check Out					
Invoice#:	<input type="text"/>			Cashier	<input type="text"/>
Billing Date	<input type="text" value="2022-11-12"/>			Customer's Number	<input type="text"/>
Customer	<input type="text"/>			Quantity of Item	<input type="text"/>
Item	<input type="text"/>				
Member	<input type="radio"/> Yes <input type="radio"/> No				
Discount	<input type="text"/>	Tax	<input type="text"/>	Total	<input type="text"/>
Amount Received:	<input type="text"/>			Change	<input type="text"/>
<button>Add Item To Invoice</button>		<button>Submit</button>			

The Checkout page allows users to generate an invoice and accept payment from customers. After which inventory is updated accordingly. The user will also have the option of logging out via the logout button or move to another page using the navigation dropdown list.



## Sales Report



The image shows a web form titled "Sales Report". At the top left is a small icon of a document with a flame. At the top right are standard window controls: a minus sign, a square, and an "X". The form has a light gray background. On the left, there is a "Navigation:" label followed by a blue dropdown menu. Below this is a "Date mm/dd/yyyy" label, followed by "From:" and "To:" labels, each with a corresponding white text input box. In the center, the text "Sale Reports" is displayed. On the right, there is a blue "Logout" button and a blue "Print" button.

Navigation:

Sale Reports

Date mm/dd/yyyy

From:

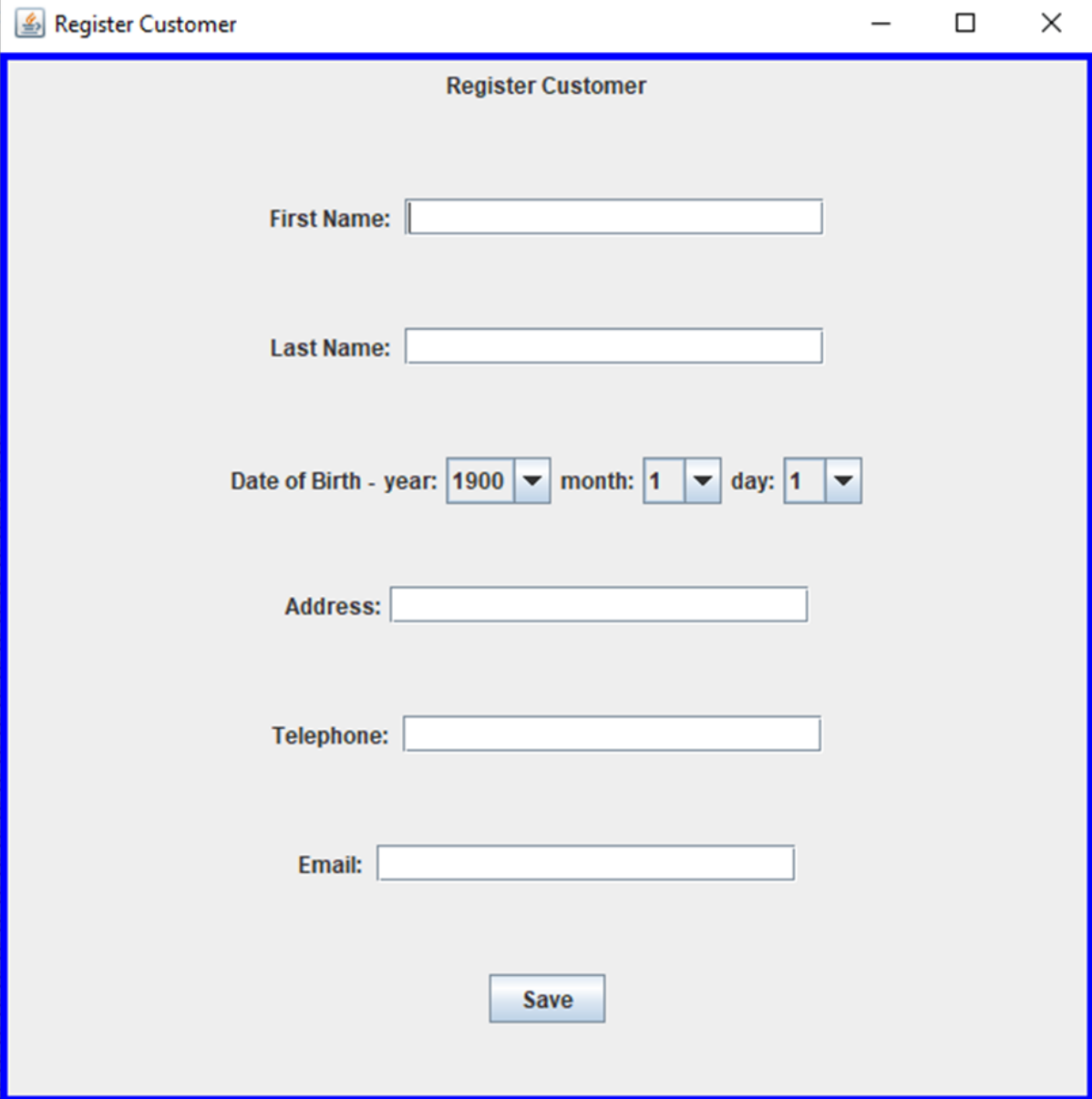
To:

Logout

Print

The user will be able to view a sales report between any specific time period they put in. Once the user has entered the time period and clicks print then the sales report will be generated. The user will also have the option of logging out via the logout button or move to another page using the navigation dropdown list.

## Register Customer

A screenshot of a web application window titled "Register Customer". The window has a standard title bar with a minimize button, a maximize button, and a close button. The main content area is light gray and contains a form with the following fields: "First Name:" with a text input field; "Last Name:" with a text input field; "Date of Birth - year:" with a dropdown menu showing "1900", "month:" with a dropdown menu showing "1", and "day:" with a dropdown menu showing "1"; "Address:" with a text input field; "Telephone:" with a text input field; and "Email:" with a text input field. At the bottom center of the form is a blue "Save" button.

Register Customer

First Name:

Last Name:

Date of Birth - year: 1900 ▼ month: 1 ▼ day: 1 ▼

Address:

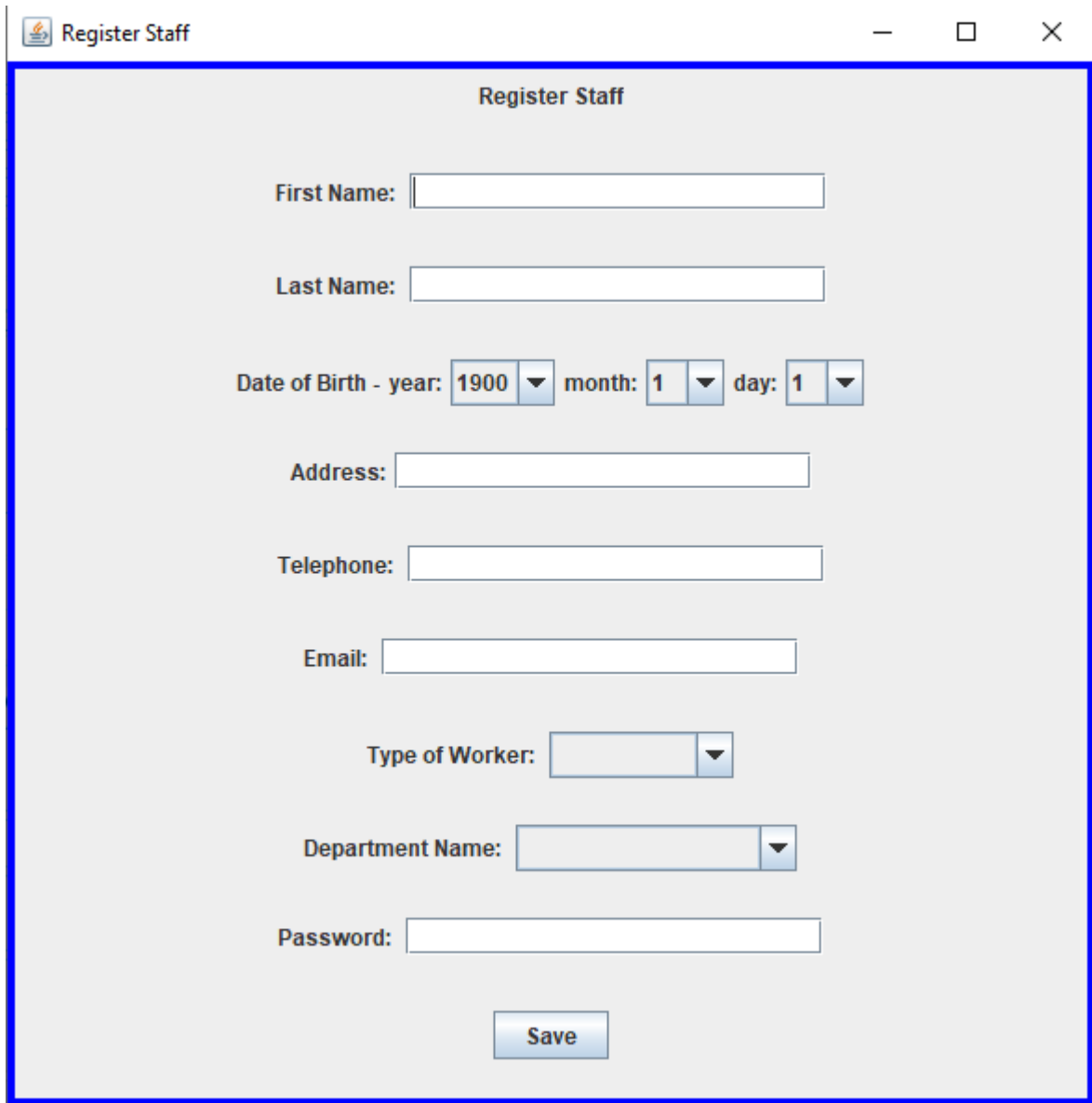
Telephone:

Email:

Save

Upon entering the register customer page the user will be prompted to enter the customer's credential in the above form. Upon entering the information, and clicking the save button the information will be saved to the customer database for future use.

## Register Staff



The screenshot shows a web browser window titled "Register Staff". The page has a light gray background and a blue border. It contains the following fields and controls:

- First Name:** A text input field.
- Last Name:** A text input field.
- Date of Birth - year:** A dropdown menu showing "1900".
- month:** A dropdown menu showing "1".
- day:** A dropdown menu showing "1".
- Address:** A text input field.
- Telephone:** A text input field.
- Email:** A text input field.
- Type of Worker:** A dropdown menu.
- Department Name:** A dropdown menu.
- Password:** A text input field.
- Save:** A button at the bottom center.

Upon entering the register staff page the user will be prompted to enter the staff credential in the above form. Upon entering the information, and clicking the save button the information will be saved to the staff database for future use.

Group Members	Contributions
Gail-Ann Archer	Contributed to everything.
Chevaughn Gibson	Contributed to everything.
Seantae Laylor	Contributed to everything.
Javaughn Stephenson	Contributed to everything.