## Test Example of Programing Functionality

In this test the user will load the program, create a new customer, and update an existing customer by setting their profile to inactive. When the existing customer is set to inactive, the application will check if the customer has any active personal training sessions. The user will receive a prompt asking if they want to set the active personal training sessions associated with the user to inactive. If the user accepts, the application will automatically set the training sessions to inactive.

The changes made by the user will be updated in the online database providing automatic saving and automatic updates.

### Test 1: Create new Customer

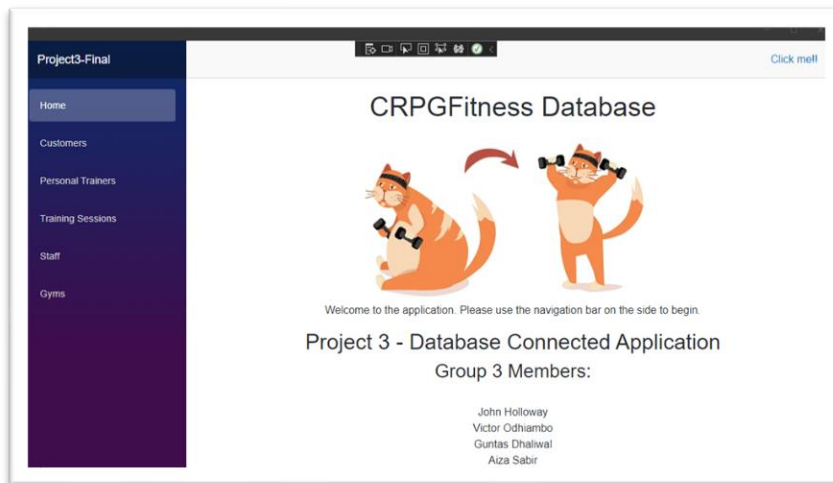1. Application Loads and displays welcome page.



*Figure 1: Application Loads*

2. User is able to use the sidebar navigation. The system will display a table of List<T> for the specific object type being reviewed by the user. In this example the table will display List<Customer>
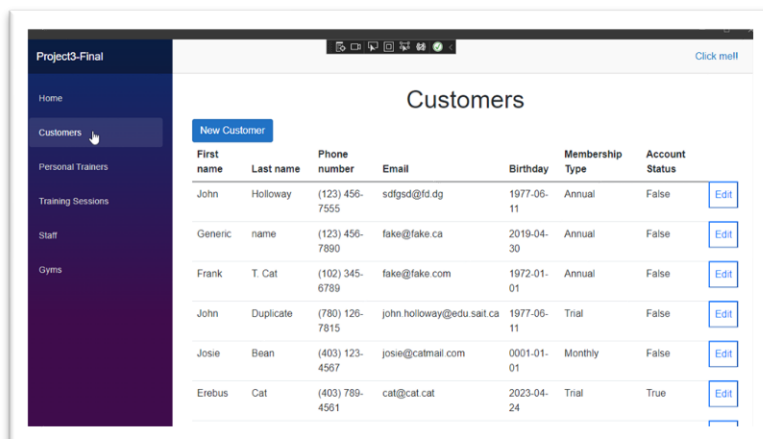


*Figure 2: Customer Page correctly loads customer information from database*

The customer information accurately reflects the contents on the MySQL database table *customers*:

*Figure 3: Database table customers*

3. The user will click on the New Customer button, enter the required information for the new customer. If a datafield is missing, the user will be informed and asked to correct before the application creates the ne



*Figure 5: Email field left blank*



*Figure 4: User receives notification*

4. After data field is entered and user clicks create, the new customer is written to the Customer table on the database, and the user is taken back to the Customer page, which will automatically query the database and load the new customer created by the user



*Figure 6: Example Customer appears on Customer page in application*



*Figure 7: Row for Example Customer is created on customer table in database.*

Test 2: Update existing Customer with active personal training sessions.

1. There is an active personal training session associated with the customer John Holloway

| Personal Trainer | Customer Name | Gym Location | Session Date | Session Status | |
|---|---|---|---|---|---|
| Arnold Schwarzenegger | John Holloway | 123 Mainstreet NW Calgary | 2023-03-29 12:00:00 AM | True | Edit |

*Figure 8. Training session for  John Holloway is True*

2. Customer account status for John Holloway is set to inactive. The user receives a prompt informing them that the customer has active training sessions. They are given the option to deactivate training sessions or ignore the prompt



3. i) User clicks Deactivate Sessions and the training session is automatically set to false.



| Personal Trainer | Customer Name | Gym Location | Session Date | Session Status | |
|---|---|---|---|---|---|
| Arnold Schwarzenegger | John Holloway | 123 Mainstreet NW Calgary | 2023-03-29 12:00:00 AM | False | Edit |

ii) User clicks on Ignore Wanting, the training session remains active



| Personal Trainer | Customer Name | Gym Location | Session Date | Session Status |
|---|---|---|---|---|
| Arnold Schwarzenegger | John Holloway | 123 Mainstreet NW Calgary | 2023-03-29 12:00:00 AM | True |