Test Plan

**Welcome Form**

Welcome button:

Takes the user to the Password form.

**Password Form**

Login button:

Sends the user to the Main Menu form if the Username or Password is correct or not empty.

Correct Username = 'User2'

Correct Password = '11111'

Expected Result: Continues to the next form

No Error Message, Greeted with next form

Correct Username = 'Awais'

Wrong Password = 'Hamzah567'

Expected Result: Brings up an error message

Result = Error message saying 'Sorry, username or password is incorrect'

Wrong Username = 'AwaistOfSpace'

Correct Password = '12345'

Expected Result: Brings up an error message

Error Message = 'Sorry, username or password is incorrect'

Wrong Username = 'WalkersCrisps'

Wrong Password = 'Spicy'

Expected Result: Brings up an error message

Error Message = 'Sorry, username or password is incorrect'

No Username

No Password

Expected Result: Tells you to type in a username and password.

Error Message = 'Please type a username and a password'

Forgotten Username button:

Brings up a message box saying 'Please ring or text this number to retrieve the password 07457186802'

Close button:

Closes the program.

**Main Menu Form**

Customers Button:

Takes the user to the Customers Menu form.

Repairs Button:

Takes the user to the Repairs Menu form.

Invoice Button:

Takes the user to the Invoice form.

Close Button:

Closes the program.

**Customers Menu Form**

Add a customer button:

Takes the user to the Add a Customer form.

View a Customer button:

Takes the user to the View a Customer form.

Main Menu button:

Takes the user back to the Main Menu form.

Close button:

Closes the application.

**Add a customer form**

Add a customer button:

Writes all the data entered in the textboxes saves to a .dat file named CustomerDetails.dat

Main Menu button:

Takes the user back to the Main Menu form.

Close button:

Closes the application.

Title = Mr

Forename = Zack

Surname = Khan

Door No = 157

Street Name = Tatti Street

Town = Oldham

County = Greater Manchester

Postcode = MC D0N

Mobile No = 073365533251

Landline No = 01612356612

Email = bobjefffbill@zacks.com

No Error message, a message box appeared saying 'Record Saved' and it is viewable in the file created by it.

Extra, When the character limit is exceeded for a textbox, it is cut off in the saved file and in the actual program when shown.

No Title

No Forename

No Surname

No Door No

No Street Name

No Town

No County

No Postcode

No Mobile No

No Landline No

No Email

Program crashed and gave this error:

'Unhandled exception has occured in your application. If you click Continue,

the application will ignore this error and attempt to continue. If you click Quit,

the application will close immediately.

Index was outside the bound of the array.'

**View a customer form**

Main Menu button:

Takes the user back to the Main Menu form.

Close button:

Closes the application.

Update button:

Updates the searched customers details.

Search Name:

It searches for the customers record via forename.

Display customers button:

Displays all the customers' records saved in the 'CustomerDetails.dat' file.

Wrong Name = Bob

Reuslt = Shows the last customers details stored in the file.

Correct Name = Zack

Result = Brings up the details for the customer called 'Zack Khan'.

No Name

Result = Shows the last customers details stored in the file.

**Repairs Menu form**

Add a repair button:

Takes the user to the Add a repair form.

Display or Ammend a repair button:

Takes the user to the Display or Ammend a repair form.

Main Menu button:

Takes the user back to the Main Menu form.

Close button:

Closes the application.

**Add a repair form**

Add Repair button:

Adds a repair to a file when the boxes are filled out.

Main Menu button:

Takes the user back to the Main Menu form.

Close button:

Closes the application.

Repair Name = Iphone 7 Screen Replacement

Repair Price = £155

Result = Message box shows up saying 'Record Saved' and the details get saved to a file called 'RepairDetails.dat'.

Extra, When the character limit is exceeded for a textbox, it is cut off in the saved file and in the actual program when shown.

No Repair Name

No Repair Price

Result = Program crashed and gave this error:

'Unhandled exception has occured in your application. If you click Continue,

the application will ignore this error and attempt to continue. If you click Quit,

the application will close immediately.

Index was outside the bound of the array.'

**Display or Amend a Repair form**

Main Menu button:

Takes the user back to the Main Menu form.

Close button:

Closes the application.

Update button:

Updates the current selected repair.

Search for repair name button:

If typed without showing the repairs it crashes the system, but when the repairs are shown, it displays the repairs stored in the file 'RepairDetails.dat'.

Correct Name = Iphone 7 Screen Replacement

Result = Brings up the repair details and the cost.

Incorrect Name = Google Pixel 2 Battery Replacement

Result = Brings up the last saved repair details in the saved file.

**Invoice form**

Main Menu button:

Takes the user back to the Main Menu form.

Close button:

Closes the application.

Show Customers button:

Shows the saved customers in the 'CustomerDetails.dat' file.

Show Repairs button:

Shows the saved repairs in the 'RepairDetails.dat' file.

Save Order button:

Saves the customers details and their repair details into the invoice.

View Orders button:

Views all the orders in the invoice file.