

Unit Testing

TC – 1: Tests login/clock-in functionality and accuracy.

TC – 2: Tests login/clock-in functionality and accuracy based on location of attempt.

TC – 3: Tests users’ ability to create a Rewards Account.

TC – 4: Tests if user enters a valid payment method.

TC – 5: Tests users’ ability to make/view reservations.

TC – 6: Tests users' ability to view/update Table Status.

Test Case Identifier: TC-1** Use Case Tested: UC-2 Log in/ Log out Pass/Fail Criteria: The test will pass if the user is able to successfully log in to the system. The test will fail if the user inputs an invalid username or password. Input Data: username, password		
Test Procedure:	Expected Result:	Actual Result:
Step 1: User types in an invalid username and/or password.	Server denied the log-in attempt. Message pops up, instructing the user to try again using a valid log-in.	The app displays a ‘No employee found message’
Step 2: User types in a valid username and password.	Server allows the log-in attempt. Depending on the user type, the system allows the user to access the specified interface.	The app displays a ‘Welcome’ or ‘Bye’ message depending on whether you clock in or out.

Test Case Identifier: TC-2 Use Case Tested: UC-1: Clocking in/Clocking out Pass/Fail Criteria: The test will pass if the user is able to successfully clock in and out for their shift and the server is able to verify their location. The test will fail if the user is unable to clock in or out, or the server is unable to verify the location. Input Data: Selecting either the clock-in or clock-out button		
Test Procedure:	Expected Result:	Actual Result:
Step 1: User selects to clock-in or out outside of the restaurant.	Server allows the clock-in/clock-out attempt. The employee’s current status updates to keep track of whether they are currently clocked in/out. Database records	Server allows the clock-in/clock-out attempt but does not get the location of the attempt. Database stores the

Step 2: User selects to clock-in or out within the restaurant.	<p>that a clock-in/out attempt has been made in a foreign location, along with the current time, user, location, and updated clocking status. System allows the user to access the specified interface.</p> <p>Server allows the clock-in/out attempt. The employee's current status updates to keep track of whether they are currently clocked in/out. Database records the clock-in/clock-out attempt, along with the current time, user, location, and updated clocking status. Depending on the employee type, the system allows the user to access the specified interface.</p>	<p>current status clock-in/clock-out state of the employee. Employee is able to access his interface.</p> <p>Server allows the clock-in/clock-out attempt but does not get the location of the attempt. Database stores the current status clock-in/clock-out state of the employee. Employee is able to access his interface.</p>
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Test Case Identifier: TC-3*

Use Case Tested: UC-13: Create a Rewards Account

Pass/Fail Criteria: The test will pass if a user creates a new account. The test will fail if the username or email already exists.

Input Data: username/email

Test Procedure:	Expected Result:	Actual Result:
Step 1: User enters username or email that already exists	Server denied the user from creating an account. Pops up message to enter different username or email	Has not been implemented.
Step 2: User enters username or email that does not already exist	Server allows the user to create an account.	Has not been implemented.

Test Case Identifier: TC-4*

Use Case Tested: UC-8: Payment

Pass/Fail Criteria: The test will pass if the user enters a valid payment method and the payment method has enough funds. The test will fail if payment method is not valid or funds are insufficient

Input Data: payment method

Test Procedure:	Expected Result:	Actual Result:
Step 1: User enters invalid payment method or valid payment method with insufficient funds	System rejects the payment method and prompts the user to use a different payment method.	Has not been implemented
Step 2: User enters valid payment method with enough funds	System accept payment	Has not been implemented

Test Case Identifier: TC-5*

Use Case Tested: UC-6: Make/View reservations

Pass/Fail Criteria: The test will pass if the user makes a reservation when there is at least 1 free table. The test will fail if there are no free tables.

Input Data: reservation

Test Procedure:	Expected Result:	Actual Result:
Step 1: User makes a reservation when there are no free tables.	Server denies reservation and pops message to announce user that all tables are occupied	Has not been implemented
Step 2: User makes reservation when there is a free table	Server accepts reservation and changes the status of the table to reserved	Has not been implemented

Test Case Identifier: TC-6

Use Case Tested: UC-5: View/Update Table Status

Pass/Fail Criteria: The test will pass if the user changes table status while no one is sitting on the table. The test will fail if table is not empty

Input Data: table status

Test Procedure:	Expected Result:	Actual Result:
Step 1: User changes table status while customers are sitting on the table	System will reject and pop up message that user can not change the table status at the moment	Table status can be changed by employees at any given moment.
Step 2: User changes table status while no one is sitting on the table	System will accept and change the table status	Table status can be changed by employees at any given moment.

Modified User Interface Requirements

Identifier	Test Case	Comments
**TC-1	Testing the log in/log out feature	Instead of login in/login out, the staff members will have to enter its 4 digit identifier and click continue to access the server interface. If the individual is not in the system, it will not allow it to access the server interface. The employee must be in the database.
*TC-3	Testing the rewards feature.	This is something that will be part of future work. Additional work on this application may implement these features.
*TC-4	Testing the payment feature.	This is something that will be part of future work. Additional work on this application may implement these features.
*TC-5	Testing the reservations feature.	This is something that will be part of future work. Additional work on this application may implement these features.

(*) This test case will not be implemented by demo 2, and is available for future development.

(**) This test case has been modified since the previous report.