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| **4COSC001W: Software Development II – TEST PLAN for Part 1** **Student Name/ID: w1986657**  **Seminar Day/Time: Module Tutor: Mr. John Sriskandarajah** |

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|  | | Student Name: **K. R. Christien Fernando** Student ID: w1986657 | | | |
|  | | TEST PLAN for Part 1  **Submit the completed test plan with your code solution** | | | |
| **No** | **Test Case** |  | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Food Queue  Initialized Correctly  After the program  starts, 100 or VFQ | - | Displays ‘empty’ for all queues. | Displays ‘empty’ for all Queues. | Pass |
| 2. | Enter 101 to display  the empty queues | - | 2.1  Display  Empty queues:  Cashier-1  Cashier-2  Cashier-3 | Display  Empty queues:  Cashier-1  Cashier-2  Cashier-3 | Pass |
| 2.2  Display  Empty queues:  Cashier-2  Cashier-3 | Display  Empty queues:  Cashier-2  Cashier-3 | Pass |
| 2.3  Display  Empty queues:  Cashier-3 | Display  Empty queues:  Cashier-3 | Pass |
| 2.4  No empty queues found | No empty queues found | Pass |
| 3 | Add customer to  Queue: Option 102 | 3.1  Enter the queue number(1/2/3): 1 | Selected queue number:1 | Selected queue number:1 | Pass |
| 3.2  Enter the customer Name: Mary | Customer name: Mary  1  Mary  Customer added to the queue successfully | Customer name: Mary  1  Mary  Customer added to the queue successfully | Pass |
| 3.3  Enter the queue number(1/2/3): 4 | Invalid input! Queue number must be between 1 and 3.  Enter the queue number (1 / 2 / 3): | Invalid input! Queue number must be between 1 and 3.  Enter the queue number (1 / 2 / 3): | Pass |
| 3.4  Enter the queue number (1 / 2 / 3): 1 | Queue 1 is full. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): | Queue 1 is full. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): | Pass |
| 3.5  Enter the queue number (1 / 2 / 3): a | Invalid input! Please enter a valid integer. | Invalid input! Please enter a valid integer. | Pass |
| 3.6  Enter the customer Name: Mark | Customer name: Mark  1  Mark  Customer added to the queue successfully | Customer name: Mark  1  Mark  Customer added to the queue successfully | Pass |
| 3.7  Enter the customer Name: | Invalid input! Customer name cannot be empty | Invalid input! Customer name cannot be empty | Pass |
| 3.8 | No queues are available at the moment | No queues are available at the moment | Pass |
| 3.9 | Insufficient burger stock. Cannot add customer. | Insufficient burger stock. Cannot add customer. | Pass |
| 3.10 | Warning: Available Burger Stock Reached the minimum warning limit of 10  Please add burgers | Warning: Available Burger Stock Reached the minimum warning limit of 10  Please add burgers | Pass |
| 4 | Remove customer from queue: Option number 103 | 4.1  Enter the queue number (1 / 2 / 3):4 | Invalid input! Queue number must be between 1 and 3. | Invalid input! Queue number must be between 1 and 3. | Pass |
| 4.2  Enter the queue number (1 / 2 / 3):vg | Invalid input! Please enter a valid integer | Invalid input! Please enter a valid integer | Pass |
| 4.3  Enter the queue number (1 / 2 / 3): 1 | Queue 1 is empty. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): | Queue 1 is empty. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): | Pass |
| 4.4  Enter the queue number (1 / 2 / 3): 1 | Queue 1 is full. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): | Queue 1 is full. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): | Pass |
| 4.5  Enter the queue number (1 / 2 / 3): 2 | Selected queue number: 2 | Selected queue number: 2 | Pass |
| 4.6  Enter the queue position(index) [0-2]0 | Customer removed from the queue successfully.  Queue Number: 2 | Queue Index: 0 | Customer removed from the queue successfully.  Queue Number: 2 | Queue Index: 0 | Pass |
| 4.7  Enter the queue position(index) [0-2]1 | Selected location is empty | Customer removed from the queue successfully.  Queue Number: 2 | Queue Index: 1 | Fail |
| 4.8  Enter the queue position(index) [0-2]3 | Invalid input! Queue index must be between 0 and 1  Enter the queue position(index) [0-1] | Invalid input! Queue index must be between 0 and 1  Enter the queue position(index) [0-1] | Pass |
| 4.9  Enter the queue position(index) [0-2]i | Invalid input! Please enter a valid integer | Invalid input! Please enter a valid integer | Pass |
| 4.10  Enter the queue position(index) [0-2]2 | Selected location is empty | Selected location is empty | Pass |
| 5. | Remove a served customer: Option number 104 | 5.1  Enter the queue number (1 / 2 / 3): 1 | Selected queue number: 1  Served Customer removed from the queue successfully.  Queue Number: 1 | Selected queue number: 1  Served Customer removed from the queue successfully.  Queue Number: 1 | Pass |
| 5.2  Enter the queue number (1 / 2 / 3): 4 | Invalid input! Queue number must be between 1 and 3.  Enter the queue number (1 / 2 / 3): | Invalid input! Queue number must be between 1 and 3.  Enter the queue number (1 / 2 / 3): | Pass |
| 5.3  Enter the queue number (1 / 2 / 3): 1 | Queue 1 is empty. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): | Queue 1 is empty. Enter Different Queue Number  Enter the queue number (1 / 2 / 3): |  |
|  |  | 5.4 | All queues are empty | All queues are empty | Pass |
| 6. |  |  |  |  |  |
| 7. | Store Program Data into file:Option number 106 | 7.1 | Program data stored successfully. | Program data stored successfully. | Pass |
| 8. | Load Program Data from file : Option number 107 | 8.1 | Program data loaded successfully. | Program data loaded successfully. | Pass |
| 9. | View Remaining burgers Stock: Option number 108 | 9.1 | Remaining burgers stock: 35  Burgers stock on Hold: 10 | Remaining burgers stock: 35  Burgers stock on Hold: 10 | Pass |
| 10. | Add burgers to Stock: Option number 109 | 10.1  Enter the number of burgers to add: 20 | Burgers added to the stock. New stock: 20 | Burgers added to the stock. New stock: 20 | Pass |
| 10.2  Enter the number of burgers to add: 100 | Burger Stock is exceeding the maximum limit of 50  Enter the number of burgers to add: | Burger Stock is exceeding the maximum limit of 50  Enter the number of burgers to add: | Pass |
| 10.3  Enter the number of burgers to add:  ab | Invalid input! Please enter a valid integer.  Enter the number of burgers to add: | Invalid input! Please enter a valid integer.  Enter the number of burgers to add: | Pass |