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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** | | | | | | | |
|  | **Test Case** | |  | | **Expected Result** | | **Actual Result** | | **Pass/Fail** | |
|  | Food Queue  Initialized Correctly  After the program  starts, 100 or VFQ | | - | | Displays ‘empty’ for all queues. | | Displays ‘empty’ for all Queues. | | Pass | |
|  | Enter 101 to display  the empty queues | | - | | Display  Empty queues:  Cashier-1  Cashier-2  Cashier-3 | | Display  Empty queues:  Cashier-1  Cashier-2  Cashier-3 | | Pass | |
| Display  Empty queues:  Cashier-2  Cashier-3 | | Display  Empty queues:  Cashier-2  Cashier-3 | | Pass | |
| Display  Empty queues:  Cashier-3 | | Display  Empty queues:  Cashier-3 | | Pass | |
|  | Add customer to  Queue: Option 102 | | Enter the queue number(1/2/3): 1 | | Selected queue number:1 | | Selected queue number:1 | | Pass | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| - | | No queues are available at the moment | | No queues are available at the moment | | Pass | |
| Remove customer from queue: Option number 103 | | 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 | |
|  | | 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 | |
|  | | Enter the queue number (1 / 2 / 3): 2 | | Selected queue number: 2 | | Selected queue number: 2 | | Pass | |
|  | | 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 | |
|  | | Enter the queue position(index) [0-2]1 | | Invalid index number | | Customer removed from the queue successfully.  Queue Number: 2 | Queue Index: 1 | | Fail | |
|  | | 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 | |