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| **Test Case No.** | **Traces to Requirement No.** | **Test Steps** | **Expected Output** | **Comments** | **Pass/Fail** |
| 1 | 3.1.1 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: **“ “** (A single space character) 3. Select **Login** | The customer will be successfully logged in and To Go and Dine In option buttons will be displayed |  | Pass |
| 2 | 3.1.2 | 1. In the **Username** field, enter: **waitStaff01** 2. In the **Password** field, enter: **Ruler** 3. Select **Login** | The wait staff will be successfully logged in and the home screen for the wait staff will be shown. |  | Pass |
| 3 | 3.1.3 | 1. In the **Username** field, enter: **KitchenStaff01** 2. In the **Password** field, enter: **Sea** 3. Select **Login** | The kitchen staff will be successfully logged in and the home screen for the kitchen staff will be shown. |  | Pass |
| 4 | 3.1.4 | 1. In the **Username** field, enter: **Manager** 2. In the **Password** field, enter: **Gift** 3. Select **Login** | The manager will be successfully logged in and the home screen for the manager will be shown. |  | Pass |
| 5 | 3.1 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: **Gift** 3. Select **Login** | The user will not be able to not login, as the username and password are both wrong. An error message will be displayed. |  | Pass |
| 6 | 3.2 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: **“ “** (A single space character) 3. Select **Login** | The device will be assigned to a specified table, as the Customer login that is specified is the assigned device. |  | Pass |
| 7 | 3.3 | 1. Log in with username: **Manager** and password: **Gift** 2. Select **Login** 3. Select **Edit Staff** 4. Enter the name of the user listed in the staff document in the database, in the document name field. **Note:** Here if the document name chosen is already created the further fields will just update the document chosen. 5. Enter **Customer25** in the **Classification** field 6. Enter **25** in the **ID** field 7. Enter **tempCustomer** in the **Name** field 8. Enter **“ “ (a single space)** in the **Password** field | The staff name, position, user ID, and password. |  | Pass |
| 8 | 3.4 | 1. Open the **CulturedRestaurant** application 2. In the **Username** field, enter: **Manager** 3. In the **Password** field, enter: **Gift** 4. Select **Edit Menu** 5. Select **Appetizers** 6. Enter **App6** into the **Document Name** field 7. Enter **Gouda** into the **Name** field 8. Enter **Fresh gouda cheese** into the **Description** field 9. Enter **3** into the **Price** field 10. Enter **5** into the **Stock** field 11. Enter **200** into the **Calories** field 12. Enter **“ “ (A single space)** into the **Picture** field 13. Select **Confirm** | The menu will have been updated with a new menu item. |  | Pass |
| 9 | 3.5 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **To-Go** | The customer’s order will be designated as “To-Go”. |  | Pass |
| 10 | 3.6.1 | 1. Log in with username: **Customer08** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Requests** 5. Select **Submit refill request** | The wait staff will have a notification for a specific drink refill, sent by the customer. |  | Pass |
| 11 | 3.7.1 | 1. Log in with username: **Customer08** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Requests** 5. Select **Cracker refill** | The wait staff will have a notification for a cracker refill, sent by the customer. |  | Pass |
| 12 | 3.8 | 1. Log in with username: **Customer08** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Requests** 5. Select **Help** | The customer successfully receives help from the wait staff. |  | Pass |
| 13 | 3.9.1 | 1. The customer selects **Games** from the Home screen 2. The customer selects a game from 4 choices 3. The customer selects **Start** | The customer successfully plays a game. |  |  |
| 14 | 3.10.1, 3.10.6, 3.10.7,  3.10.8 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: “ “ (A single space character) 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Appetizers** | Customer sees a list of at least 3 appetizers with each appetizer having its own description, picture, and price. |  | Pass |
| 15 | 3.10.2, 3.10.6, 3.10.7,  3.10.8 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: “ “ (A single space character) 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Entrees** | Customer sees a list of at least 3 entrees with each entree having its own description, picture, and price. |  | Pass |
| 16 | 3.10.3, 3.10.6,  3.10.7,  3.10.8 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: “ “ (A single space character) 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Kids Entrees** | Customer sees a list of at least 3 kids’ entrees with each kids’ entree having its own description, picture, and price. |  | Pass |
| 17 | 3.10.4, 3.10.6, 3.10.7,  3.10.8 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: “ “ (A single space character) 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Drinks** | Customer sees a list of at least 3 drinks with each drink having its own description, picture, and price. |  | Pass |
| 18 | 3.10.5, 3.10.6, 3.10.7,  3.10.8 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: “ “ (A single space character) 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Desserts** | Customer sees a list of at least 3 desserts with each dessert having its own description, picture, and price. |  | Pass |
| 19 | 3.10.9 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: “ “ (A single space character) 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Lactose Intolerant** | Customer sees an alternative menu, which is like the standard menu but contains only food items that apply to lactose-intolerant individuals. |  | Pass |
| 20 | 3.10.10 | 1. In the **Username** field, enter: **Customer01** 2. In the **Password** field, enter: “ “ (A single space character) 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Lactose Intolerant** 6. Select the **cart** icon | Customer’s cart will be updated with the selected item (Whole Milk), and the price of their order will update accordingly. |  | Pass |
| 21 | 3.10.11 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **View Cart** | Customer will see their cart in its current state. |  | Pass |
| 22 | 3.10.12 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Food Menu** 5. Select the back button, from the device | Customer will see the home screen of the system. |  | Pass |
| 23 | 3.11.1 | 1. A food Item is out of stock 2. The manager opens the **Menu** on their device 3. The manager makes that item unavailable for choosing 4. The customer can no longer choose that item | The customer can no longer add out of stock items to the cart. |  |  |
| 24 | 3.12.1 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Merchandise Menu** 5. Scroll down to **Wooden Cheese Tray** and select the cart button 6. Select the back button, from the device 7. Select **View Cart** | Customer will see the any items in the cart. |  | Pass |
| 25 | 3.12.2 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-7 from requirement 3.12.1 | Customer will see the price of each item within the cart. |  | Pass |
| 26 | 3.12.3 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-7 from requirement 3.12.1 | Customer will see the total cost of the items within the cart. |  | Pass |
| 27 | 3.12.4 | 1. Repeat steps 1-2 from requirement 3.12.1 2. Select **Menu** | Customer will see the menu prior to choosing the food type to view. |  |  |
| 28 | 3.12.5 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-7 of requirement 3.12.1 3. Select **Remove from cart**. | Customer will see the updated cart, which contains all items but the removed one. |  | Pass |
| 29 | 3.12.6 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-7 of requirement 3.12.1 3. Select **Customize Order**. | Customer will see their comment added to their order in plain text. |  | Pass |
| 30 | 3.12.7 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-7 of requirement 3.12.1 3. Select **Place Order**. | Customer will see a confirmation message that their order has been received. |  | Pass |
| 31 | 3.12.8 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-6 of requirement 3.12.1 3. Select **Order Status** | Customer will see a status section detailing the progress of their order. |  | Pass |
| 32 | 3.12.9 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-7 of requirement 3.12.1 3. Select the back button, from the device | Customer will see the home screen of the system. |  | Pass |
| 33 | 3.13.1 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-6 of requirement 3.12.1 3. Select **Order Status** | The customer can view their order status. |  | Pass |
| 34 | 3.13.2 | 1. Repeat steps 1-3 from requirement 3.1.1 2. Repeat steps 1-6 of requirement 3.12.1 3. Select **Order Status** 4. Select the back button, from the device | The customer navigates back to the home screen from the view status window. |  | Pass |
| 35 | 3.14 | 1. Repeat steps 1-3 in requirement 3.1.1 2. Repeat all steps in requirement 3.12.7 3. Select the newly available **Play Games** button from the home menu 4. Select a game from the four options given 5. Play the game | The customer will be able to play a game from the four options given. |  |  |
| 36 | 3.14.1 | 1. Repeat all steps in requirement 3.14 2. While playing the game, in the top-right, select **Exit Game** | The Customer will be returned to the game selection screen. |  |  |
| 37 | 3.14.2 | 1. Repeat steps 1-3 in requirement 3.14 2. Select **Return Home** | The customer will be returned to the home screen. |  |  |
| 38 | 3.15.1 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Entrees** 6. Scroll down to **Fried Cheese Ravioli** and select the cart button. 7. Select the back button of the device twice. 8. Select **Pay** 9. Select **Pay with Cash** | Customer will see the total owed by them to the wait staff. |  | Pass |
| 39 | 3.15.2 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Entrees** 6. Scroll down to **Fried Cheese Ravioli** and select the cart button. 7. Select the back button of the device twice. 8. Select **Pay** 9. Select **Pay with Cash** 10. Enter **Janis Jonas** in the name of card field 11. Enter **4111111111111111** in the card number field 12. Enter **0720** in the expiry date on the field 13. Enter **563** in the CCV on the field 14. Select the check mark of the keyboard pad of the device 15. Select **Pay** | Customer will see the total owed by them to the system. |  | Pass |
| 40 | 3.15.3 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Entrees** 6. Scroll down to **Fried Cheese Ravioli** and select the cart button. 7. Select the back button of the device twice. 8. Select **Pay** 9. Enter **1234** in the Coupon Code text box 10. Select **Pay with Cash** | Customer will see the coupon take effect on the order. In this case, it will remove an appetizer. |  | Pass |
| 41 | 3.15.4 | 1. Repeat steps 1-8 from requirement 3.15.3 2. Enter “20” into the **Tip percentage** field 3. Select **Pay with Cash** | Customer will see the total of the order increased by 20%. |  | Pass |
| 42 | 3.15.5 | 1. Repeat steps 1-8 from requirement 3.15.3 2. Select **Number of People Paying** 3. Select **4** 4. Select **Pay with Cash** | Customer will see the cost of the order divided into four equal parts. |  | Pass |
| 43 | 3.15.6 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Entrees** 6. Scroll down to **Fried Cheese Ravioli** and select the cart button. 7. Select the back button of the device twice. 8. Select **Pay** 9. Select **Pay with Cash** 10. Select **Print Receipt** 11. Enter **Amazing testing** 12. Select **Send Feedback** | Customer will see a survey screen which contains various questions about their dining experience. |  | Pass |
| 44 | 3.15.7 | 1. Repeat steps 1-8 from requirement 3.15.3 | Customer will see a text box giving them suggested tip amounts based on percentage of the cost of the bill 20%. |  | Pass |
| 45 | 3.15.8 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Food Menu** 5. Select **Entrees** 6. Scroll down to **Fried Cheese Ravioli** and select the cart button. 7. Select the back button of the device twice. 8. Select **Pay** 9. Enter **COMPED** in the Manager Comp Password text box 10. Select **Pay with Cash** | Customer will see the amount of revenue received from Order 01 update to $0.00. |  | Pass |
| 46 | 3.15.8.1 | 1. Log in with username: **Manager** and password: **Gift** 2. Select **Login** 3. Select **View Comps** | Manager will see the number of compensated orders per table, in a list. |  |  |
| 47 | 3.15.9 | 1. Open the **CulturedRestaurant** application 2. Log in with username: **Customer01** and password: " " 3. Select **Login** 4. Select **Dine in** 5. Select **Food Menu** 6. Select **Entrees** 7. Scroll down to **Fried Cheese Ravioli** and select the cart button. 8. Select the back button of the device twice. 9. Select **Pay** 10. Select **Pay with Cash** 11. Select **Print Receipt** 12. Enter **Amazing testing** 13. Select **Send Feedback** 14. Select the top box 15. Select **Home** | Customer will see a screen that tell them they did not win a coupon (see requirement 3.15.11 for a successful coupon game). |  | Pass |
| 48 | 3.15.10 | 1. Open the **CulturedRestaurant** application 2. Log in with username: **Customer01** and password: " " 3. Select **Login** 4. Select **Dine in** 5. Select **Food Menu** 6. Select **Entrees** 7. Scroll down to **Fried Cheese Ravioli** and select the cart button. 8. Select the back button of the device twice. 9. Select **Pay** 10. Select **Pay with Cash** 11. Select **Email Receipt** | Customer will see a confirmation message that the e-mail of the receipt has been sent. |  | Pass |
| 49 | 3.15.11 | 1. Repeat steps 1-14 from requirement 3.15.9 | Customer will see a screen that confirms they won, along with a numerical coupon code. |  | Pass |
| 50 | 3.16.1 | 1. Open the **CulturedRestaurant** application 2. Log in with username: **Customer08** and password: " " 3. Select **Login** 4. Select **Dine in** 5. Select **Requests** 6. Select **Help** 7. Return to login screen 8. Log in with username: **waitStaff01** and password: **Ruler** 9. Select **Login** 10. Select **View Requests** | The waitstaff will have a notification for help, sent by the customer. |  | Pass |
| 51 | 3.17 | 1. Repeat all steps in requirement 3.1.2 | The waitstaff will then see a notification concerning customer’s orders. |  |  |
| 52 | 3.17.1 | 1. Log in with username: **waitStaff01** and password: **Ruler** 2. Select **Login** 3. Select **View Requests** | The wait staff will have a notification for a specific drink refill, sent by the customer. |  | Pass |
| 53 | 3.17.2 | 1. Repeat all steps in requirement 3.1.1 2. Repeat all steps in requirement 3.12.7 3. In the top-left, select the **Menu** 4. In the bottom of the opened menu, select **Log Off** 5. Repeat all steps in requirement 3.1.2 6. Select **View Order Status** | The waitstaff will be able to view the status of the customer’s orders. |  |  |
| 54 | 3.17.3 | 1. Repeat all steps in requirement 3.1.1 2. Repeat all steps in requirement 3.12.7 3. In the top-left, select the **Menu** 4. In the bottom of the opened menu, select **Log Off** 5. Repeat all steps in requirement 3.1.2 6. Select **View Payment Status** | The waitstaff will be able to view the payment status of the customer’s orders. |  |  |
| 55 | 3.18.1 | 1. Repeat Test Requirement No. 3.1.3 | The Kitchen staff will see all the customers’ orders. |  |  |
| 56 | 3.18.2 | 1. Repeat Test Requirement No. 3.1.3 2. There should be a list of orders on the screen of the device 3. Select **Done** | The kitchen staff has updated the status of the order. |  |  |
| 57 | 3.19.1 | 1. Repeat steps 1-3 from requirement 3.1.4 2. Select **Sales** | Manager will see a list of items and the number of each sold. |  | Fail |
| 58 | 3.19.2 | 1. Log in with username: **Manager** and password: **Gift** 2. Select **Login** 3. Select **Split Tips** 4. Enter **25%** for **Walter** 5. Enter **50%** for **Wade** 6. Enter **25%** for **Wyatt** 7. Select **Apply** | Manager will see the dollar amount to give to each member of the wait staff. |  | Pass |
| 59 | 3.19.3 | 1. Repeat steps 1-3 from requirement 3.1.4 2. Select **Menu.** 3. Select **Manage Stock.** 4. Enter 10 in the **Quantity** field of **Whole Milk.** | Manager will the number of **Whole Milk** menu itemsupdate to 10. |  | Fail |
| 60 | 3.19.4 | 1. Log in with username: **Manager** and password: **Gift** 2. Select **Login** 3. Select **Edit Staff** 4. Enter the name of the user listed in the staff document in the database, in the document name field. **Note:** Here if the document name chosen is already created the further fields will just update the document chosen. 5. Enter **Waitstaff** in the **Classification** field 6. Enter **1** in the **ID** field 7. Enter **Willy** in the **Name** field 8. Enter **Ruler** in the **Password** field | Manager will see employee **Walter** update to **Willy**. |  | Pass |
| 61 | 3.19.5 | 1. Log in with username: **Manager** and password: **Gift** 2. Select **Login** 3. Select **Edit Staff** 4. Enter the name of the user listed in the staff document in the database, in the document name field. **Note:** Here if the document name chosen is already created the further fields will just update the document chosen. 5. Enter **Waitstaff** in the **Classification** field 6. Enter **1** in the **ID** field 7. Enter **“” (nothing)** in the **Name** field 8. Enter **Ruler** in the **Password** field | Manager will see **Walter** removed from the employees list. |  | Pass |
| 62 | 3.20.1 | 1. In the **Username** field, enter: **Manager** 2. In the **Password** field, enter: **Gift** 3. Select **Edit Menu** 4. Select **Appetizers** 5. Enter **Appetizer01** into the **Document Name** field 6. Enter **Cheese Sticks** into the **Name** field 7. Enter **Delicious mozzarella sticks, baked in bread crumbs and served with marinara sauce.** into the **Description** field 8. Enter **6** into the **Price** field 9. Enter **5** into the **Stock** field 10. Enter **700** into the **Calories** field 11. Enter **https://st2.depositphotos.com/2252541/7208/i/950/depositphotos\_72080257-stock-photo-mozzarella-sticks.jpg** into the **Picture** field 12. Select **Confirm** | The manager will have edited the appetizers price to $6.00. |  | Pass |
| 63 | 3.20.2 | 1. In the **Username** field, enter: **Manager** 2. In the **Password** field, enter: **Gift** 3. Select **Edit Menu** 4. Select **Appetizers** 5. Enter **Appetizer01** into the **Document Name** field 6. Enter **Cheese Rods** into the **Name** field 7. Enter **Delicious mozzarella sticks, baked in bread crumbs and served with marinara sauce.** into the **Description** field 8. Enter **4** into the **Price** field 9. Enter **5** into the **Stock** field 10. Enter **700** into the **Calories** field 11. Enter **https://st2.depositphotos.com/2252541/7208/i/950/depositphotos\_72080257-stock-photo-mozzarella-sticks.jpg** into the **Picture** field 12. Select **Confirm** | The manager will see the new name for the menu item. |  | Pass |
| 64 | 3.20.3 | 1. In the **Username** field, enter: **Manager** 2. In the **Password** field, enter: **Gift** 3. Select **Edit Menu** 4. Select **Appetizers** 5. Enter **Appetizer01** into the **Document Name** field 6. Enter **Cheese Sticks** into the **Name** field 7. Enter **This is a new description.** into the **Description** field 8. Enter **4** into the **Price** field 9. Enter **5** into the **Stock** field 10. Enter **700** into the **Calories** field 11. Enter **https://st2.depositphotos.com/2252541/7208/i/950/depositphotos\_72080257-stock-photo-mozzarella-sticks.jpg** into the **Picture** field 12. Select **Confirm** | The manager will see the new description for the menu item. |  | Pass |
| 65 | 3.21.1 | 1. Repeat 3.1.2 | The customer should not be able to log in as a waitstaff. |  | Pass |
| 66 | 3.21.2 | 1. Repeat test requirement 3.1.3 | The waitstaff should not be able to log in as a kitchen staff. |  | Pass |
| 67 | 3.21.3 | 1. Repeat test requirement 3.1.4 | The kitchen staff should not be able to log in as a manager. |  | Pass |
| 68 | 3.21.4 | 1. Repeat test requirement 3.1.2 | The manager will be able to log in as a waitstaff staff. |  | Pass |
| 69 | 3.22.1 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Merchandise Menu** | The customer can now look at the merchandise purchase menu on the screen. |  | Pass |
| 70 | 3.22.2 | 1. Log in with username: **Customer01** and password: " " 2. Select **Login** 3. Select **Dine in** 4. Select **Merchandise Menu** 5. Scroll down to **Wooden Cheese Tray** and select the cart button | The merchandise the customer wants is now added to the cart. |  | Pass |