



UE21CS341A - Software Engineering
Test Plan Documentation

ONLINE BOBA TEA ORDERING

Team #: 5 T

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Formatting Guidelines : Submit in pdf format

Naming convention : **TestDoc SRN1-SRN2-SRN3-SRN4** (Write SRNs in ascending order)

Instructions:

- 1: Prepare at least 8-10 test cases for each implemented use case (functional requirements) as per the below given template which should include Unit, Integration and System Test cases.
- 2: Carry out manual testing for all the test cases and populate the columns Actual Result and Test Result.

Template of a Test case:

Test Case ID	Name of Module	Test Case Description	Pre-conditions	Test Steps	Test Data	Expected Results	Actual Results	Test Result
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UT_01	Test Menu Retrieval	Verify that the application can retrieve the menu data from the database.	Database contains menu data.	1. Retrieve menu data. 2. Check for the presence of essential menu items	Menu data in the database.	Essential menu items are present	Essential menu items are present.	Pass
UT_02	Test Menu Retrieval	Verify that the application can retrieve the menu data from the database.	Database does not contain valid menu data.	1. Attempt to retrieve menu data. 2. Verify the application response to the absence of menu data.	Invalid database state	The application handles the absence of menu data gracefully.	The application handles the absence of menu data gracefully.	Pass
IT_03	Menu Integration with UI	Verify that the menu is correctly integrated into the user interface	Menu data is available and UI components are ready	1. Open the application. 2. Check if the menu items are displayed in the UI.	Menu data and UI components.	Menu items are correctly displayed in the UI.	Menu items are correctly displayed in the UI.	Pass
ST_04	Complete Menu Exploration and	Verify the end-to-end process of exploring	User is logged in.	1. Navigate to the main menu.	User credentials and menu data	Order summary accurately	Order summary accurately	Pass

	Customization	the menu and customizing an order.		2. Explore different categories. 3. Select a menu item. 4. Customize the order. 5. Verify the order summary.		y reflects the selected menu item and customization.	y reflects the selected menu item and customization.	
ST_05	Complete Menu Exploration and Customization with Invalid Data	Verify the application's behavior when users attempt to explore the menu or customize orders with invalid data.	User is logged in	1. Navigate to the main menu. 2. Attempt to explore different categories with invalid menu data. 3. Select a menu item and attempt invalid customization.	Invalid database state and customization options.	The application provides clear feedback and prevents users from proceeding with invalid actions.	The application provides clear feedback and prevents users from proceeding with invalid actions.	Pass
UT_06	Admin Authentication	Verify that the admin authentication process works correctly.	Admin credentials are available	1. Enter valid admin credentials. 2. Check if the admin is successfully authenticated.	Admin credentials .	Admin is successfully authenticated.	Admin is successfully authenticated.	Pass
UT_07	Admin Authentication	Verify that the admin authentication process handles invalid	Invalid admin credentials are used.	1. Enter invalid admin credentials. 2. Check if the admin authentication	Invalid admin credentials .	Admin authentication fails with appropriate	Admin authentication fails with appropriate	Pass

		credentials appropriately		fails and appropriate feedback is provided.		te feedback	te feedback	
UT_08	Admin authentication fails with appropriate feedback	Verify that the admin can add a new item to the menu.	Admin is logged in.	<ol style="list-style-type: none"> 1. Access the menu management section. 2. Add a new item to the menu. 3. Verify the new item is correctly added and displayed. 	Admin credentials and new menu item details.	New item is correctly added and displayed.	New item is correctly added and displayed.	Pass
IT-09	Admin Panel Integration with Database	Verify that the admin panel can interact correctly with the database.	Admin credentials are available, and the database contains relevant data.	<ol style="list-style-type: none"> 1. Perform admin actions (e.g., add a menu item). 2. Check if the changes are reflected in the database. 	Admin credentials and relevant data in the database.	Admin actions are accurately reflected in the database.	Admin actions are accurately reflected in the database.	Pass
ST_10	Admin actions are accurately reflected in the database.	Verify the end-to-end functionality of the admin panel.	Admin is logged in.	<ol style="list-style-type: none"> 1. Access the admin panel. 2. Perform menu management and user account management actions. 3. Verify changes are reflected in the system. 	Admin credentials and relevant data in the system.	Admin actions are accurately reflected in the system.	Admin actions are accurately reflected in the system.	Pass

ST_11	Complete Admin Panel Functionality with Invalid Data	Verify the end-to-end functionality of the admin panel when dealing with invalid data.	Admin is logged in.	1. Access the admin panel. 2. Perform menu management and user account management actions with invalid data.	Invalid admin actions and system state.	The application prevents or handles invalid actions appropriately throughout the admin panel.	The application prevents or handles invalid actions appropriately throughout the admin panel.	Pass
UT_12	Cart Management	Add Items to Cart	User session is active	1. Add an item to the cart.	Valid item details	Item is added to the cart successfully.	Item is added to the cart successfully.	Pass
UT_13	Order Tracking	Update Cart	Order is placed	1. Track the order.	Valid order details	Order status and details are displayed.	Order status and details are displayed.	Pass
IT_14	Cart and Checkout Integration	Add and Checkout Items	Cart contains items	1. Add items to the cart. 2. Proceed to checkout.	Valid cart and user details	Order is created, and the cart is cleared.	Order is created, and the cart is cleared.	Pass
IT_15	Order and Delivery Integration	Track Order and Estimated	Order is placed	1. Track the order.	Valid order details	Estimated delivery	Estimated delivery	Pass

	on	Delivery				time is displayed.	time is displayed.	
ST_16	End-to-End Order Placement	Complete Order Flow	User is logged in	1. Add items to the cart. 2. Proceed to checkout. 3. Track the order.	Valid user and item details	Order is placed, and status is displayed correctly.	Order is placed, and status is displayed correctly.	Pass
UT_17	Profile Creation Validation	Validate that user profiles are created successfully with valid data.	User is not logged in.	1. Navigate to the user profile creation section. 2. Enter valid user information. 3. Submit the profile creation form. 4. Log in using the newly created profile credentials	Valid user information.	Profile is created successfully, and the user can log in.	Profile is created successfully, and the user can log in.	Pass
UT_18	Profile Management Update	Ensure that users can successfully update their profile information.	User is logged in.	1. Access the user profile section. 2. Update profile information (e.g., change password). 3. Verify the changes are reflected and saved correctly.	User credentials and updated profile information.	Changes to the user profile are reflected and saved correctly.	Changes to the user profile are reflected and saved correctly.	Pass

IT_19	Integration of User Profiles	Verify that the user profile system is correctly integrated	User is logged in.	1. Access the user profile section. 2. Update profile information. 3. Verify the changes are reflected in the authentication system.	User credentials and updated profile information.	Changes to the user profile are accurately reflected in the authentication system.	Changes to the user profile are accurately reflected in the authentication system.	Pass
ST_20	Complete User Profiles Functionality	Verify the end-to-end process of user profile creation and management.	User is not logged in.	1. Create a new user profile. 2. Log in using the newly created profile. 3. Access the user profile section. 4. Update profile information	Valid user information and user credentials.	User profile is created, login is successful, and profile information can be updated.	User profile is created, login is successful, and profile information can be updated.	Pass

- Test Case ID : Each test case should be represented by a unique ID. To indicate test types, follow some convention like "UT_01" indicating "Unit Testing - Test Case#1."
- Name of the module : Specify the name of the main module or submodule being tested
- Test Case Description : Specify the summary or test purpose in brief
- Pre- Conditions : Any requirement that needs to be done before execution of this test case.
- Test Steps : Mention all the steps in detail and specify the order in which it is to be executed.
- Test Data : Input for the test case to be executed. Specify different data sets with precise values to be used as input. (create test case for both valid and invalid inputs)

- Expected Results : Mention the expected results including error or precise messages that should be displayed on screen
- Actual Results : After execution of test case fill this column with the result obtained
- Test Result (Pass/Fail) : Mark this field as “fail” if the actual result is not same as expected result else mark as “pass”.

