

| Test Case ID | Test Scenario | Test Steps | Test Data | Expected Results | Actual Results | pass /fail |
|--------------|--|--|---|---|----------------|------------|
| T13 | Add a recipe to the bookmark list | <ol style="list-style-type: none"> 1. Open the bookmark page. 2. Click on the "Add Recipe" button. 3. Fill in the required fields with the recipe information. 4. Click on the "Save" button. 5. Verify that the added recipe is displayed on the bookmark list. | A mock recipe object with recipe information. | The added recipe should be displayed on the bookmark list. | As expected | pass |
| T14 | Removing a recipe from the bookmarked recipes list. | <ol style="list-style-type: none"> 1. Add a recipe to the bookmarked recipes list. 2. Verify that the recipe has been added to the list by checking if it appears in the list. 3. Remove the recipe from the bookmarked recipes list. 4. Verify that the recipe has been removed from the list by checking if it no longer appears in the list. | A mock recipe object. | The recipe should be successfully removed from the bookmarked recipes list. The list should no longer contain the recipe. | As expected | pass |
| T15 | Test if toggling the dark mode updates the setting and notifies the listeners. | <ol style="list-style-type: none"> 1. Open the app and navigate to settings. 2. Toggle the dark mode switch. 3. Verify that the switch state changes to the selected value. 4. Verify that the app setting for dark mode is updated accordingly. 5. Verify that the app notifies the listeners of the new setting. | | The test should pass, indicating that the app updates the setting for dark mode and notifies the listeners. | As expected | pass |
| T16 | User Not Logged In | <ol style="list-style-type: none"> 1. Set the current user to null using mocked authentication. 2. Call the getUserFromDocument method of the userProvider. 3. Store the returned value in a userModel variable. | | The userModel variable should have a value of null. The getUserFromDocument method should return null since there is no user logged in. The expect method should pass the test when the userModel variable is null. | As expected | pass |
| T17 | Retrieving User Model from Firestore Document | <ol style="list-style-type: none"> 1. Set up mock objects for Firebase Authentication and Firestore. 2. Configure the Firestore mock to return a mock DocumentSnapshot for the user's document. 3. Call the getUserFromDocument method on the userProvider object. 4. Verify that the Firestore object's doc method is called with the expected document path and returns the expected mock DocumentReference object. 5. Verify that the Firestore object's doc method's get method is called once with no arguments. 6. Verify that the getUserFromDocument method returns the expected User model object. 7. Verify that the getUserFromDocument method invokes the notifyListeners method on the userProvider object once. | a mock user object with uid set to 'test_uid' | The test verifies that calling the setUserAuthId() method of the userProvider object sets the user auth ID to 'test_uid' and notifies listeners. | As expected | pass |