Manual Testing:

Manual testing is a software testing process in which test cases are executed manually without using any automated tool. All test cases executed by the tester manually according to the end user's perspective. It ensures whether the application is working, as mentioned in the requirement document or not.

Black Box Testing:

Black box testing is a technique of software testing which examines the functionality of software without peering into its internal structure or coding. The primary source of black box testing is a specification of requirements that is stated by the customer. Decision Table Technique

Decision table technique for Unit Testing:

Decision table technique is one of the widely used case design techniques for black box testing. This is a systematic approach where various input combinations and their respective system behavior are captured in a tabular form.

That's why it is also known as a cause-effect table. This technique is used to pick the test cases in a systematic manner; it saves the testing time and gives good coverage to the testing area of the software application.

Test Cases for Login UI:

1 - Leave Email/Password empty and verify the expected results.

Email	No input is given in the email input field.	sumrish@sumrish.com is entered in email input field.	No input is given in the email input field.
Password	No input is given in the password input field.	No input is given in the password input field.	1234 is entered in the password input field.

Expected Result	A prompt message will appear at the email/password field to fill them.	A prompt message will appear at the password field to fill it.	A prompt message will appear at the email field to fill it.

2 - Enter Wrong Email and Password and verify the expected result.

Email	abcd@abcd.com is entered in email input field.
Password	1234 is entered in the password input field.
Expected Result	A toast message will appear showing to enter valid credentials.

3 - Enter correct email and Password and verify the expected result.

Email	sumrish@sumrish.com is entered in email input field.
Password	1234 is entered in the password input field.
Expected Result	User will be redirected to the Dashboard page of Quiz Web app depending upon his/her role. Currently my role is Admin so it will re-direct to Admin Dashboard.

4 – Press the eye icon in password field to verify the expected result.

Password	If the eye icon is closed in the password field.	If the eye icon is open in the password field.
Expected Result	It will display the entered password in dotted form. (hide the password)	It will show the entered password.

5 – Enter wrong email format and verify the expected result.

Email	sumrish.com is entered in email input field.
Expected Result	It will display the wrong entered email message prompt.