

Testing Plan:

Test plan is necessary for any project to plan the testing phase and decide the project's scope. Test plan involves collecting design specifications about the project, adding test cases, executing them manually or automatically using automated testing tools. Testing any application is highly important. The test plan is a method of documenting the test cases, specification plans, and other basic level details about how the application works.

1. Black Box testing: In this project BashaBari, sample test cases manual testing is done to check the functionality of the application and focus on what is the output?.

2. White Box testing: Once the application meets the user requirements and functionalities according to the test cases, its internal logic are completely tested to ensure that the application does not have any logical errors or issues. Basically, here we focus on the internal mechanism how the output is achieved?.

3. Unit Testing: We have tested all the modules of the application individually by running a test program.

4. Integration testing: After testing the modules individually, tested them by integrating all the submodules, modules into one application.

5. System Testing: It refers to checking whether the system in which the application is built meets the necessary requirements like software support. For example: In this project, I have checked whether the device in which the application developed is compatible with the software (Android Studio) 29. Here, we also have security testing, recovery testing, performance testing.

6. End to End Testing: Tested the complete environment of the application by connecting the device with different machines, installing it as an APK file, with the database, and in the local network.

7. Usability Testing: Finally, usability testing is performed by testing the application's flow, UI design, and how flexible and easy the application is easy to use.