Software Engineering & Information System Design Laboratory

Software Testing Documentation

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Name of the report: Software Testing documentation.

Objective: Testing documentation is the documentation of artifacts that are created during or before the testing of a software application. Documentation reflects the importance of processes for the customer, individual and organization.

Projects which contain all documents have a high level of maturity. Careful documentation can save the time, efforts and wealth of the organization.

It is an in-details document that describes step by step procedure to test an application. It consists of the complete navigation steps and inputs and all the scenarios that need to be tested for the application. We will write the test case to maintain the consistency, or every tester will follow the same approach for organizing the test document.

Types of test document: In software testing, we have various types of test document, which are as follows:

- Test scenarios
- Test case
- Test plan
- Requirement traceability matrix (RTM)
- Test strategy
- Test data

- Bug report
- Test execution report

Theory: If the testing or development team gets software that is not working correctly and developed by someone else, so to find the error, the team will first need a document. Now, if the documents are available then the team will quickly find out the cause of the error by examining documentation. But, if the documents are not available then the tester need to do black box and white box testing again, which will waste the time and money of the organization. More than that, Lack of documentation becomes a problem for acceptance.

Benefits of using Documentation:

- Documentation clarifies the quality of methods and objectives.
- It ensures internal coordination when a customer uses software application.
- It ensures clarity about the stability of tasks and performance.
- It provides feedback on preventive tasks.
- It provides feedback for your planning cycle.
- It creates objective evidence for the performance of the quality management system.
- If we write the test document, we can't forget the values which we put in the first phase.
- It is also a time-saving process because we can easily refer to the text document.

- It is also consistent because we will test on the same value.

The drawback of the test document:

- It is a bit tedious because we have to maintain the modification provided by the customer and parallel change in the document.
- If the test documentation is not proper, it will replicate the quality of the application.
- Sometimes it is written by that person who does not have the product knowledge.
- Sometimes the cost of the document will be exceeding its value.

Prerequisite	Test Case ID	Summary	Steps	Expected Outcome	Test Execution Date	Test Executed By	Reviewed By	Reviewed Date	Status	Additional Comments
deployed in a real server	puc-00-00-01	check if login page is show when open the app	1. Open the APP	Login activity will be appeared	20-04-2022	Tanjim	Anik Sen	21-04-2022	Pass	
internet connection available										
deployed in a real server	puc-00-00-02	check if login successfully and open dashboard	1. Open the APP	Dashboard activity will be appeared	20-04-2022	Tanjim	Anik Sen	21-04-2022	Fail	Dashboard activity not appearing
internet connection available			2. Given UserID and Password							
deployed in a real server	puc-00-00-03	Check if Hotel Room Create	1. Open the APP	Add Room Dialog appeared	19-04-2022	Tanjim	Anik Sen	20-04-2022	Fail	Add Room Not Appeared
internet connection available			2. Enter UserID and Password							
			3. Add Room Button							

deployed in a real server	puc-00-00-04	Check if filteret the Hotel List	1. Open the APP	Filteret RecyclerView appeared	22-04-2022	Tanjim	Anik Sen	21-04-2022	Pass
internet connection available			2. Enter UserID and Password						
			3. From Dashboard filter list by your choise						
deployed in a real server	puc-00-00-05	Check if Hotel Profile open and update hotel information	1. Open the APP	Hotel Profile appeared	25-04-2022	Tanjim	Anik Sen	26-04-2022	Pass
internet connection available			2. Enter UserID and Password						
			3. From Dashboard filter list by your choise						
deployed in a real server	puc-00-00-06	Check if logout button work properly	1. Open the APP	Login Activity appeared	29-04-2022	Tanjim	Anik Sen	29-04-2022	Pass
internet connection available			2. Enter UserID and Password						

			3. Click 3 dot menu, then click Logout Menu						

Discussion: At the end of this testing, we could learn a lot about testing methods and techniques to do an efficient testing. We attached an excel file which is the documentation of the whole testing process. We didn't face any problem during the whole working procedure, as our instructor detailed us the whole operation and steps to complete it.