

REFLECTION OF LECTURES

Topics from Lectures that Aided Implementation

1. Black Box and White Box Testing (Lecture: Testing, Slides 21-26,76-123)

The testing lecture, about black-box and white-box testing gave a basic idea that how to perform the testing on an application.

Challenge: As a newcomer in the field of testing, we did not have an idea like how to perform and implement it in a developed application.

Impact:

Black Box Testing: From the lectures, we understood about the concept of black box testing and we could test the app's functionality without looking at the code.

White Box Testing: From the lectures, we understood the basic criteria of white box testing for achieving maximum coverage. Hence, we examined the code itself for white box testing and tried to test all the conditional statements, methods and constructs within the code

Using both methods gave us a balanced testing approach, improving the app's reliability.

2. Readability of Java Classes (Lecture: Implementation, Slides 25-45)

The lecture on readability of java class was very useful. It covered the basic structure of a java class file and showed that how to write a professional java class for improving the readability of the java class.

Challenge: It was hard to read the java classes during second phase of implementation, also, in the testing and bug fixing part as it was previously developed by the other groups.

Impact:

The lecture helped to read and work within the different java classes to some extent as every java class file follow the same basic structure and improved the writing style of java classes for making in to more readable.

Missing Aspects in the Lectures

1. More details of software tools

The lectures do not provide more details on the IDEs, Gradle, JavaScripts and JavaFx components for the basic app development.

2. Database Integration with Java Classes

Another missing aspect was detailed information on the basic structure of basic database class, and integration of it with local data base.