

Pre-Read

Building the CRM App: Unit Testing the App - Part-1



Things I need to know before this session

1. NodeJS
2. ExpressJS
3. Callbacks
4. Promises
5. Asynchronous Programming

What will be taught in this session ?

What is Github?

Github is a revolutionary tool that helps code hosting and supports versioning and collaboration. Multiple people can collaborate and work on a large project easily and efficiently.

With the help of code versioning, you can move back to older changes and can easily identify and remove bugs.

Software Testing:

Software Testing is a way to ensure that the actual software/app matches expected requirements and that it is Defect and bug-free. It is widely divided into manual and automated testing to evaluate one or more properties of interest.

It has different paradigms as White Box and Black Box Testing. In simple terms, Software Testing means the Verification of Application Under Test (AUT).

Black Box Testing: Testing the functionality of the application

White Box Testing: Testing the internal structures, data structures, design, code structure, and the working of the application.

How are these concepts being using in the industry for building applications

Node.js

- Supported by 1000+ organizations in 200+ countries.
- 2 million+ downloads/month.
- 82.8k stars on their GitHub repo - <https://github.com/nodejs/node>

Github

- 73+ Million Developers
- 4+ Million Organisations
- 200+ Million Repositories
- 84% Fortune of 100

Writing good tests improves the reliability of your software. Software testing is as important as Software development and always walks along with the development

Tools Needed

You will need to install the NodeJS - [link here](#).

You will need to install the git - [link here](#).

You will need to install VSCode

You will need to install Jest

This session will understand all types of testing and deep dive into unit testing with Jest.