Full Stack Developer Course Syllabus

Front-end Development

1. HTML

-Tags, Attribute and Elements

-Doctype Elements

-Comments

- Heading, Paragraphs, and Formatting Text

-Lists and Links

-Images and Tables, etc

2. CSS

-Applying CSS to HTML

-Selectors, Properties and Values

-Colors and Backgrounds

-Box Model

-Margins, Padding and Borders

-Text and Font Properties, etc

3. JavaScript Fundamentals

-Applying JavaScript

-Variables and Operators

-Data Types and Num Type Conversion

-Objects and Arrays

-Date and Time

-Conditional Statements

-Switch Statements

-Looping Statements

-Functions, etc

4. jQuery

-Selecting Elements

-Manipulating Styles, Text, Attribute

-Adding Event Listeners

-Animations

5. Responsive Web Design

-Fundamentals of web design, UI and UX

-color palettes

-Typography

6. Build Single Page Applications with React.js

7. Bootstrap(Framework)

- Bootstrap framework in websites
- layout system
- Bootstrap components (buttons,cards and navigation bars)
- pre-build templates

8. React.js

- React Components
- Props
- JSX
- DOM
- State Management
- React Hooks
- Conditional rendering

9. The Unix Command line

- Basic base commands
- Manipulate files and folders

Back-end Development

1. Node.js

-DataTypes

-Objects

-methods

-OPPs

-Classes

-Server-side JavaScript

-NPM

-EventScript Build Processes

-Modules

-Native Node drivers,etc

2. Express.js

-Installtion and Uses

-Creating servers using express and Node

-use middleware

-Routing

3. API(Application Programing Interfaces)

        -HTTPs

        -Calling APIs

        -API Authentication

        -Server to server communication

4. Git, Github and Version Control

        -Git forking

        -remote repository

       -Checkout and rolling back

        -Xcode

        -branching

        -cloning

5. PostgreSQL

    -Installing Postgres

    -PostgreSQL queries

    -CRUD

    -One to One Relationships

    -One to Many Relationships

    -Many to Many Relationships

6. Databases (SQL and NoSQL)

Full Stack Development Projects

1. Building Full-Stack Web Applications

2. Integrating Front-end and Back-end

3. Real-time Application Development

4. Project Deployment