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INTRODUCTION TO FRONT END DEVELOPMENT

SANSKRUTI SATPUTE D-33



MODULE-1

INTRODUCTION TO THE PROGRAM

- From meta developers you will learn about how they collaborated, create and test responsive, high-performance websites and applications.
- You'll also discuss interesting topics with another aspiring front end developers and complete a range of coding exercises to improve your skills.



Front-end, back-end and full-stack developer roles

- If web developer roles would certainly, feature prominently and with good reason the digital world that we all live in would not be possible without developers creating architecture and maintaining the technology that we use every day on our devices you were to look up a list of high paying it jobs,.
- Many roles are involved in delivering these projects to users.
- But it can be confusing for aspiring developers to understand some of the terminology associated with web development.



ROLES

- While html and CSS skills are essential.
- The most critical skill is usually JavaScript.
- It is the powerhouse of front-end technology.
- This is mainly because of its versatility and the fact that it is paired
- with powerful libraries and frameworks such as react by meta.



HOW THE INTERNET WORKS

- This is all made possible because two devices connect and communicate via a wired or wireless connection, forming something called a network.
- You can connect multiple devices to this
- This interconnected network has another name that you might be familiar with.
- It's called the Internet.



What are websites and webpages?

- A web page is a document that displays images, texts, videos and other content in the web browser, a website is a collection of webpages that link together.



What is version control?

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- Version control is a system that records all changes and modifications to files for tracking purposes the ability to roll back to a particular version or time allows teams to work faster and deliver code with more confidence.
- Testing and having some level of automation on every task introduced allows the team to be more efficient.
- It also ensures more confidence that any new feature
- being introduced will not break any existing flows



Systems of version control and tools

- It may happen that while you were working on a new feature, another developer in the team is busy fixing an unrelated bug.
- There are many different version control systems available.
- For example, Subversion, Perforce, AWS Code Commit, Mercurial, and Git to name a few.



Centralized version control systems and distributed version control systems.

- Let's start with centralized version control systems.
- Centralized version control systems, or CVCS for short, contain a server and a client.
- The server contains the main repository that houses the full history of versions of the code base.
- Distributed version control systems or DVCS for short, are similar to the centralized model.
- You still need to pull code down from the server to view the latest changes.
- This means that every time you pull down code from the distributed model, you have the entire history of changes on your local system.



A history of revisions

- Version control systems help developers keep track of their code and are up-to-date with any changes.
- Every change that has occurred on the project should be easily accessible either by a simple command or integration into the developer's IDE



Software collaboration

- This module started with a case study about how software engineers collaborate across the globe without wrecking one another's code.



Thank You

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Git-hub link-<https://github.com/18sanskrutihub18/WP-D-33.git>