

What is API?

API stand for Application Programming Interface.

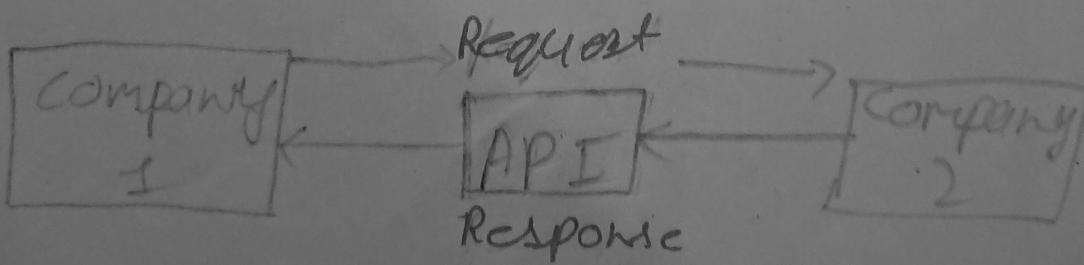
API is an interface that is, It is a way with whose help you can talk to the actual System.

API are mechanisms that enable two Software Components to communicate with each other using a set of definitions and protocols.

Ex:- The Weather bureau's software system contain daily weather data.

How do APIs work?

API architecture is usually explained in term of client and server. The application sending the request is called the client and application sending the response is called the server.

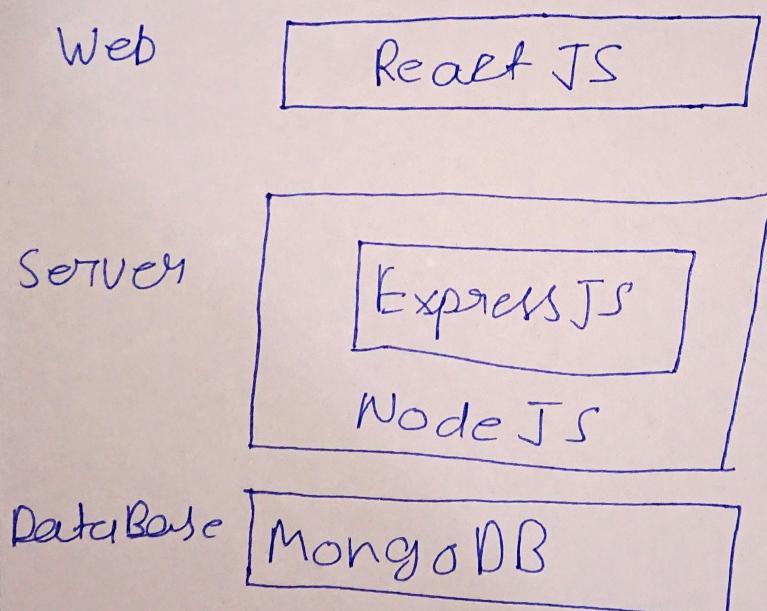


- What is MERN stack?

MERN stands for MongoDB, Express, React and Node after the four key technologies that make up the stack.

- MongoDB :- Document database (JSON Data)
- Express :- Node.js Web framework.
- React :- A client-side JavaScript framework
- Node! :- The premier Java Web server.

Working of MERN stack



Open Source

- ### What is Open Source?

Open Source Software (OSS) is software with its source code, making it available for use, modification, and distribution without its original right.

How does OSS Work?

Open Source Code is usually stored in a public repository and shared publicly. Anyone can access the repository to use the code independently or contribute improvements to the design and functionality of the overall project.

Step 4: Set-up Git Account with Commands

- (i) git config --global user.name "Aditya"
- (ii) git config --global user.email "ABC@gmail.com"
- (iii) git config list → to be check

Creating a GIT Repository

Step 1: Create one folder.

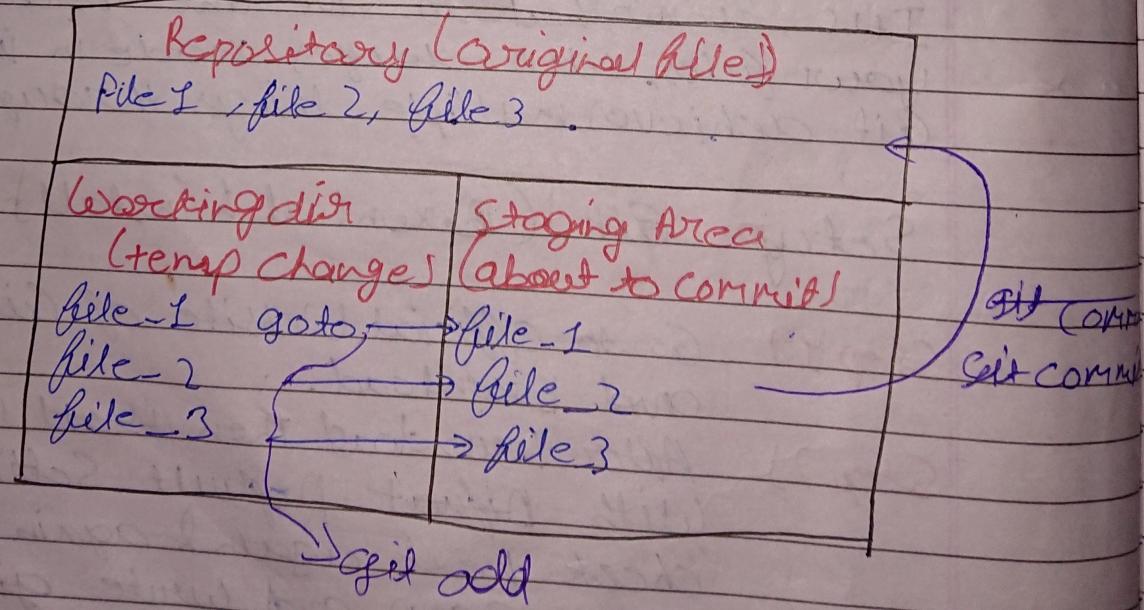
Step 2: Open Terminal

Step 3: Open your folder Path in terminal

Step 4: Write Commands

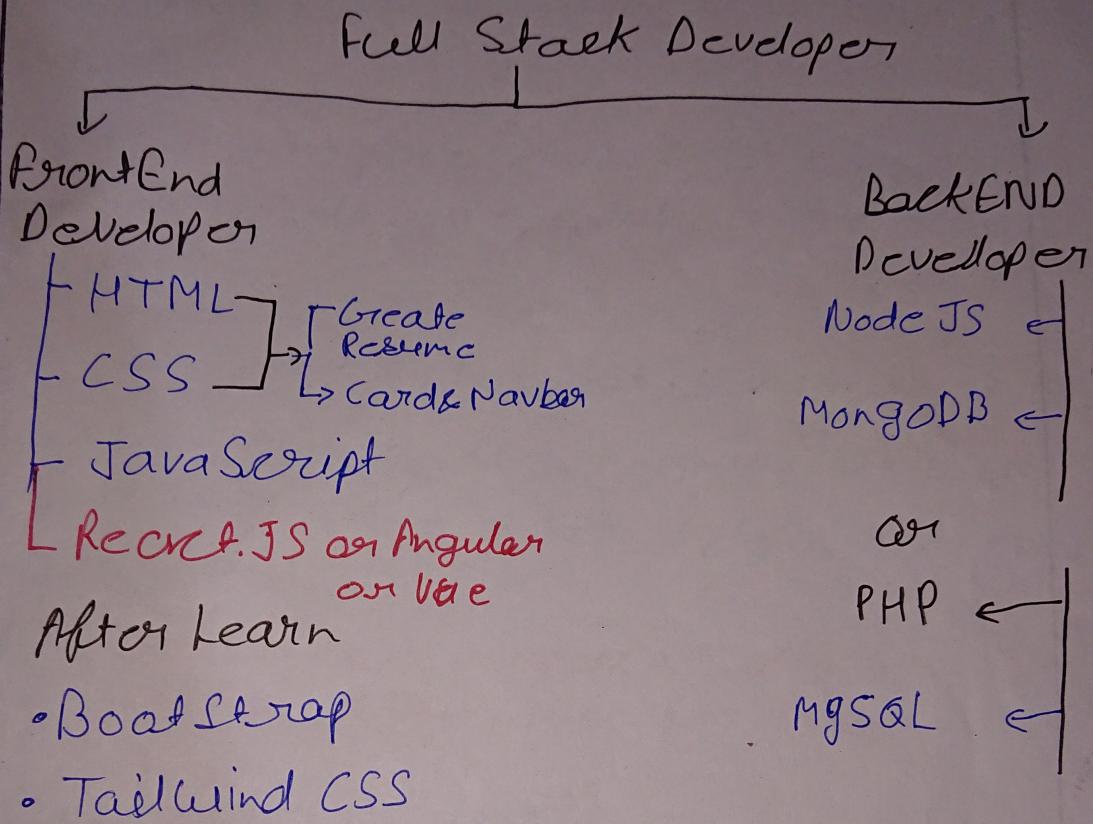
<< git init → to initialize dir

Life cycle of change files



RoadMap of Full Stack Developer

frontEnd:



Projects of FrontEnd

- Cloning Website
- Portfolio

Tips

- Learn by Practice
- Don't follow the Trend
- Keep Working!

Stay Consistent

- What is Hosting
- How does Hosting Work?
- Hosting Configuration
- How to run a Website on hosting

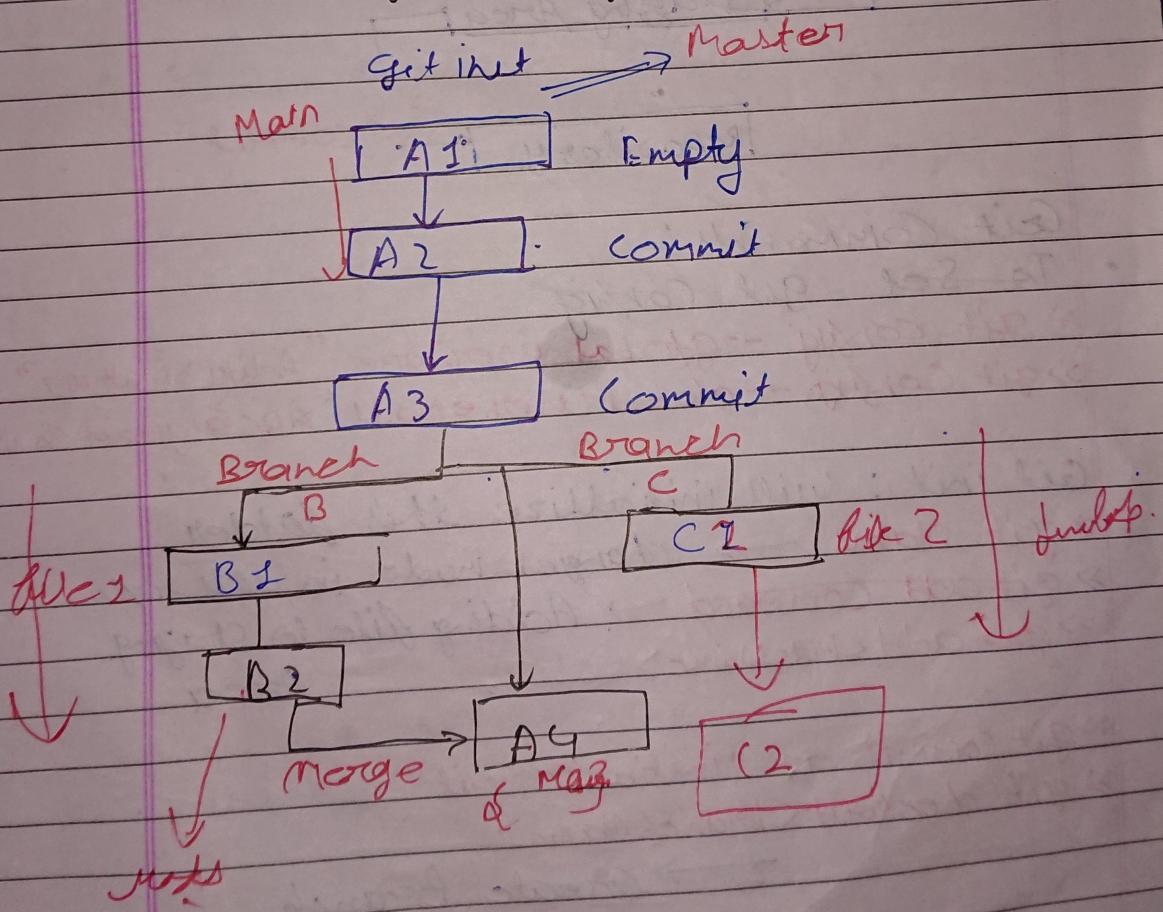
2)

{ Detachable
fasting }

Step to ignore file

Step 1: Create file to name is <.gitignore>
Step 2: in .gitignore file put file name or
file format or Path or Path+format

Branching, tagging, Merging



Git & GitHub

- What is Version Control?

Version Control is the practice of tracking and managing changes to Software Code. Version Control System are Software tools that help Software teams manage changes to source code over time.

- Makes Save points that saves your project
- Provides total development freedom.

Ex:- Git, Subversion, perforce.

Download & install Git

- What is Git

Ans:- Git is a Version Control System.

It's a method to save the history of your files, also changes made in it and Git achieves multiple things through it.

Setup Git (Download & install)

Step 1.) Go to official Website of Git and Download.

Step 2.) After Download then Install with Default Default Setting check next again & again.

Step 3.) Open CMD and write `git --version` to checkout.