FullStack Application Course cheat sheet

Why Use NodeJs? NodeJS is designed to handle I/O Scalability not Computational Scalability eg Read/Write Files and DB access.

When an express server is started, one one process runs all our request…So we optimise

HTTP Request Methods

METHOD	DESCRIPTION
GET	used to retrieve information from the given server using a given URI. Requests using GET should only retrieve data and should have no other effect on the data
POST	used to send data to the server
PUT/PATCH	Replace / updates existing record
DELETE	Deletes an existing record
CONNECT	Established a tunnel connection to server

HTTP STATUS CODES

CODE	Meaning
2xx	codes signify that the action requested by the client was received, understood, and accepted.
3xx	This class of status code indicates the client must take additional action to complete the request
4xx	error seems to have been caused by the connecting client. Usually a bad request has been made
5xx	This means that the server failed to fulfill the request

STANDARDS TO RESTFUL APIs

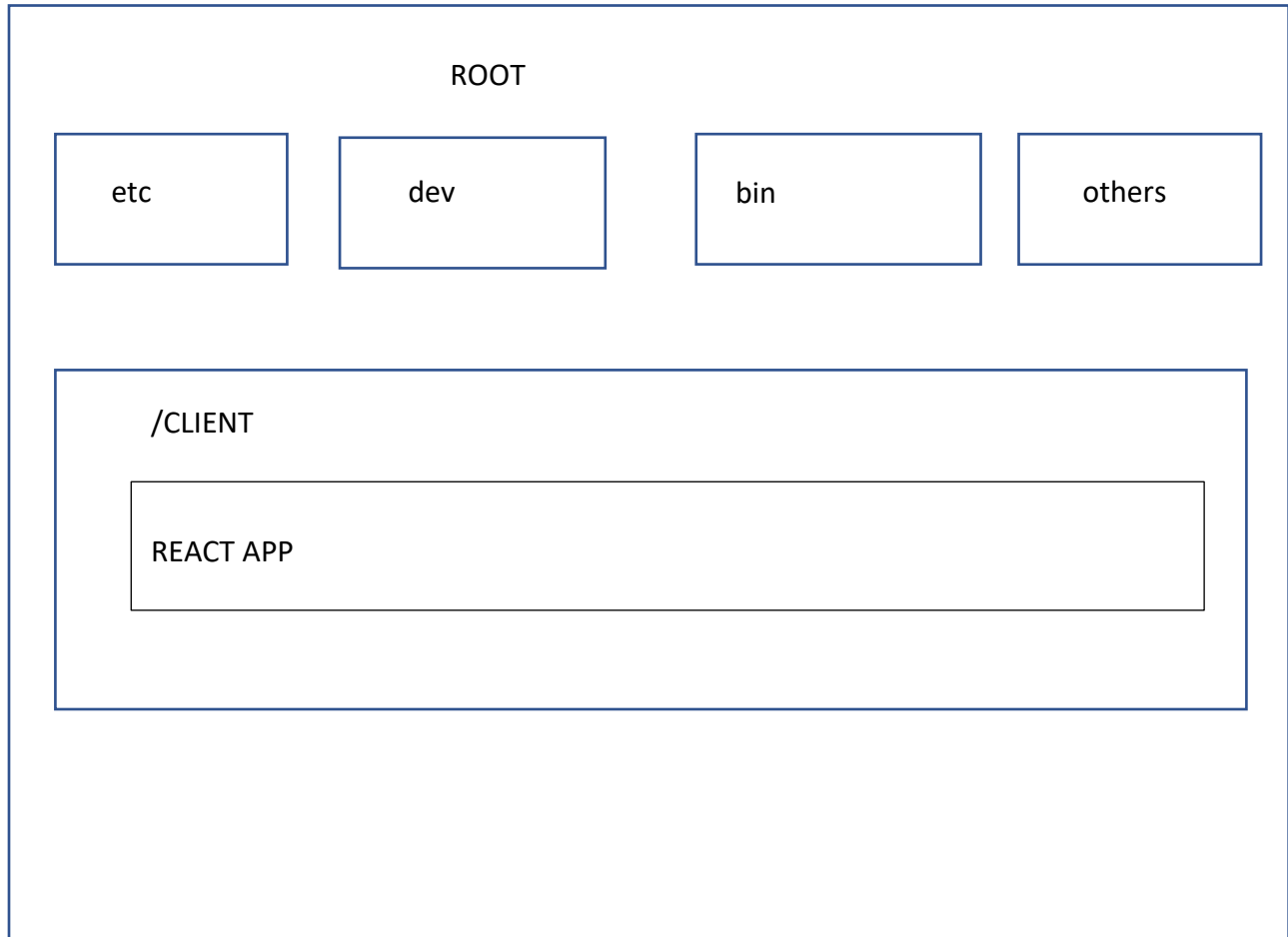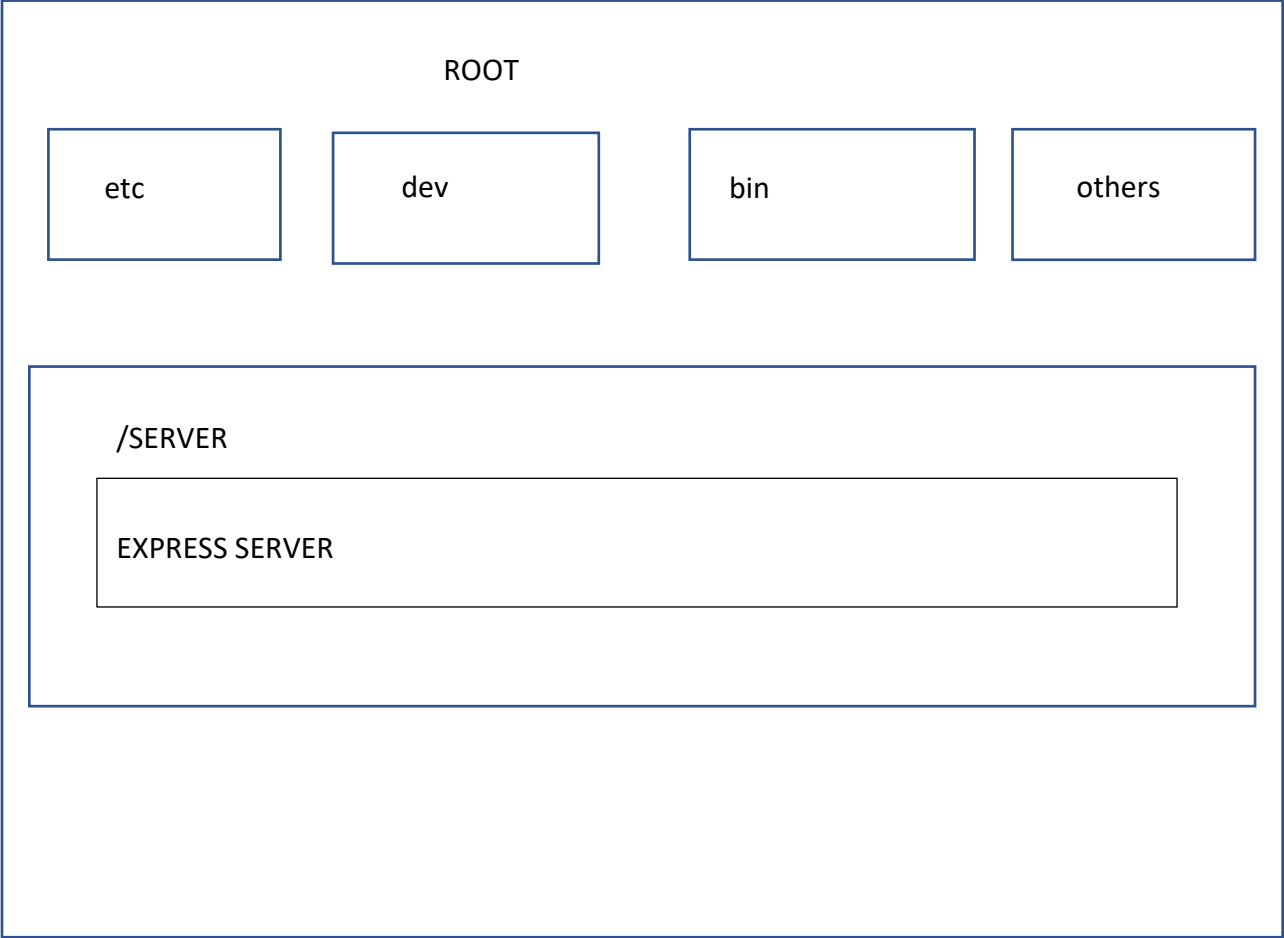| METHOD	URL	ACTIONS
GET	/api/users	Get all users
POST	/api/users	Create a new user
GET	/api/users/id	Get a specific user
PATCH	/api/user/id	Update a specific user record
GET	/api/users/id/products	Get the product of a particular user
POST	/api/users/id/product	Create a specific product

Creating Models
User:
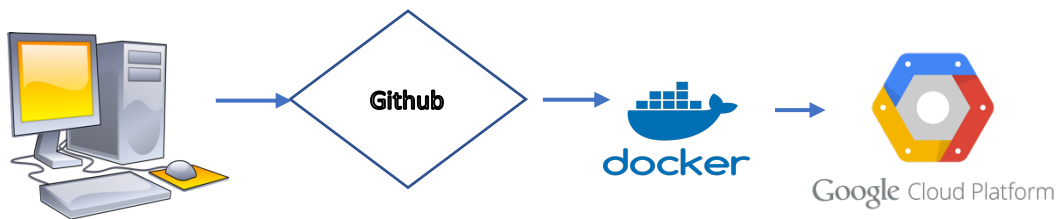Name, email, password, sellers/buyers/admins,
Product:
user, name, description, category, price, brand, quantity

ROOT

etc	dev	bin	others

/CLIENT

REACT APP

ROOT

etc

dev

bin

others

/SERVER

EXPRESS SERVER

Continuous Integration and Delivery (CI/CD)

Uploading a File

- Browser sends file information
- Server uses a middleware to process the information
- Server send the information to our storage
- After success, save details of the file to our database