**REQUIRED TO DOWNLOAD:**

* SOFTWARE
  + node js from google
* EXTENSIONS IN VS CODE:
  + ES7 + react reduce
  + Auto rename tag
* EXTRAS NPM INSTALL:
  + npm install react-bootstrap (command prompt front-end)
  + npm install boorstrap (command prompt front-end)
  + npm install js-cookie (command prompt front-end)
  + npm add sass (command prompt front-end)
  + npm install axios (command prompt front-end)
  + npm install react-icons (command prompt front-end)
  + npm install react-stars (command prompt front-end)
  + npm install react-modal (command promt front-end)
  + npm install sweetalert2 (command prompt front-end)
  + npm install mdb-react-ui-kit (command prompt front-end)
  + npm install react-jwt (command prompt front-end)
  + npm install firebase (command prompt front-end)
  + npm install express (cmd, back-end)
  + npm install dotenv (command prompt backend)
  + npm install cors (command prompt backend)
  + npm install -g nodemon (command prompt backend)
  + npm install mongodb (command prompt backend)
  + npm install mongoose (command prompt backend)
  + npm install bcryptjs (command prompt backend)
  + npm install jsonwebtoken (command prompt backend)
  + npm install dialogflow (command prompt backend)
* EXTERNAL RESOURCES USED:
  + UnDraw website for illustrations
  + Coolors website for color theme selection.
  + Wepik for creative images

**NOTE:**

* Components name CAPITAL LETTER SE START HOTY.
* npm = node pakage manager
* Packet.json main dependencies main downloaded cheezain dikhegi
* Multiple pakages ek sath install hojaty space de kr likhty jao
* To run = npm run dev
* vs code main powershell se convert kr k command prompt krdena

**GIT CONNECTION**

* download git from google, install it in the PC
* in your folder that you want to upload in repo, right click kr k git bash here krdo

1. git config --global user.name "FIRST\_NAME LAST\_NAME" khud k names shift +insert se paste h
2. git config --global user.email "MY\_NAME@example.com"

**NOW IN VS CODE IN POWERSHELL:**

**first time:**

1. git init
2. git add .
3. git commit -m "your message"
4. git remote add origin "repo link"
5. git push -u origin master

**everytime:**

1. git add .
2. git commit -m “YOUR MESSAGE”
3. git push -u origin master

**FrontEND**

**STEPS OF INITIAL CODING:**

**TO MAKE IT REACT:**

1. node.js downloaded ho.
2. Project folder open kro upper cmd likho
3. In cmd, (npm create vite @latest) likho, phir enter, then select react, javascript, phir now run pe wo jo jo commands batayega wo line wise likh kr run krdo.

**REACT BOOTSTRAP DOWNLOADING:**

1. Google pe react bootstrap pe jao and get started se command la kr COMMAND PROMPT TERMINAL main likh do.

**SOME INITIAL CODING:**

1. App.css and index.css and App.jsx nki coding hata dain.
2. Koi bhi file ho rfce wala template dena zrori hai for start coding.

**REACT BOOTSTRAP ESSENTIALS:**

1. React bootstrap se npm wali command la kr command terminal main paste kr k install krlo, to check kinstall hua ya nh go to dependencies in the packet.json.
2. Main.jsx main css import krwao, code utha lo get started se from google.
3. In app.jsx rfce k bad div pe className=”text-danger” kr k check krlo.
4. Classes dengy hum className se.

**WRAPPING:**

* Return k ander <> all coding </> kr k wraaping krni zrori ha in each rfce.

**COMPONENTS ESSEENTIALS**

1. In src, right click kr k component ka folder banalo.
2. Inside component, you can make files FIRST ALPHABET CAPITAL.
3. Inside file, rfce likhna and then start coding.

**PAGES:**

* Inside src
* Us folder k ander main pehly direct Capital.jsx banaya krti thi lekin yahan per pages folder k ander hum or bhi folders bana rahy.

**INSIDE EACH PAGE:**

* folder name se milti jhulti .jsx file banao.
* name.scss file banao for adding css.
* In jsx file main scss file import krwalo (import “./AddNewGig.scss”)
* ./ ek dafa krny se hum parent folder main chaly jaty hain

**SCSS FILE ESSENTIALS:**

1. scss file jo banayi ha wo aisy hi run nh hogi usky liye.
2. Npm add sass

**ROUTING:**

**Step 1:**

1. Command terminal main ja kr likho npm install react-router-dom

2. Ab main.jsx main jao then upper likho (import ReactDOM from “react-dom/client”)

3. Ushi k nechy likho (import {BrowserRouter} from react-router-dom)

4. React strict k tag k bech main BrowserRouter ka tag de do.

5. Google pe react router dom likho then migrating wali jagah pe jao then scroll down ek code ayega usmain se routes wala pura tag copy kr k app.jsx main paste krna ha sath hi sath upper route and routes import bhi krwana in app.jsx.

**Step 2:**

* Import admin, user, boutique, guest in the app.jsx

**Step 3:**

1. Global context banayengy ku k kuch cheezain sabko access krni hain jaisy sign in and log in sabko chahiye chahy wo user ho ya admin , boutique, guest.
2. Folder banega for global context then us folder k ander 2 files banalin ek context.jsx and ek reducer.jsx

**CONTEXT CREATION IN CONTEXT.JSX**

ek folder banalain usmain context.jsx ki file bana lain

**top:**

import { createContext } from 'react'

**code:**

export const logincontext=createContext("initial value") //export isliye likha ha ku k yeh context har jagah use krna hai

**return:**

<logincontext.Provider value={{state,dispatch}}>

{children}

</logincontext.Provider>

1) yahan pe logincontext.Provider se humny context bhej diya sab jagah pe

2) value k ander jo chez likhi jati ha basically wo accessible hoti ha har jagah pe.

3) children ka concept smj nh araha

4) jis name ka context banaya hota ha ushi name ko name.Provider krty yani batatay k yeh wala context phelana ha

**MAIN.JSX WORK :**

1)import krwao wo function name jo context.jsx file main hoga rfce wali command se aya hua from "path of context.jsx file":

import LoginContextProvider from './GlobalContext/context.jsx'

2)App.jsx ko wrap krwana ha us function name se jo abhi uper import krwaya:

<LoginContextProvider>

<App />

</LoginContextProvider>

**USING OF CONTEXT**

1) import krwaty hain context ka name... context.jsx ka path de kr

import { logincontext } from './GlobalContext/context'

2)import krwalo useContext hook from react

3) ab bata rahy k kon konsi values chahiye and = useContext(context ka name)

const {state, dispatch}=useContext(logincontext)

**Cookies:**

1. Initially token undefined hota ha.
2. Token dekhta ha by … google pe website host karain then ap chaly jayen inspect pe then application pe then cookies open karain wahan apko apna localhost dikhega uspe click karain toh token details ajayegi.

**BACKEND**

**INITIAL SETUP**

1) folder banao

2) open that folder and in path area write cmd and open cmd.

3)in cmd, write following commands one by one:

4)npm init

5)enter 2 times

6)description agar kuch likhna chahain to likhdain

7)4 times enter

8)author name de dain

9) enter

10)npm install express

11) cls for clearing screen

12)code . to open vs code

**IN VS CODE FURTHER SETUP**

1) create index.js file

2)craete .env file and in command prompt do: npm install dotenv otherwise error ayega

3)npm install cors

3)express website open karain in google, getting started main se hello world code copy paste krdain in index.js and in command prompt, write node index.js

4)port no milega. go to google and write localhost:that port number. and you will get your output there which is hello world.

**BASIC KNOWLEGE:**

1).env file main hum environment variables rakhty yani security wali chhezain jaisy hash password wagera ku k jab bhi hum apna pura folder kisi ko bhi dety hain tab .env file khud ba khud apny aap ko alag krleti or kahin or nh jati.

2) API testing k liye hum use krengy Thunder Client.

3)node index.js se code run hota

4) API: GET PUT POST DELETE these are the 4 types of APIs

5) terminal ko har dafa refresh krna hota ha jab bhi code ma koi changings karain phir har dafa likhty node index.js, is se bachny k liye hum nodemon install krty (npm install -g nodemon) phir bus ek dafa server start krty hain nodemon index.js and jo bhi changings karengy wo khud ba khud ati jayegi.

6) CORS: cors install krty hain npm install cors, yeh use hota ha ku k yeh allow karta hai web pages ko request karnay mein aur data share karnay mein. yeh header define krta ha and web security main kam ata ha. main work iska backend and frontend sath chalany ma hota ha k dono ko data sharing allow krwata ha.

**MONGODB**

* go to google then mongodb
* start free
* signup with google
* cluster name rakhlo

username:mahnooryameen321

password:nayapassword786

* ip address apki apni already added hogi and or agar jiski bhi chahain to add krlain
* ab jayen connect pe
* drivers
* ad your connection string wala code copy paste krlain kahin pe
* mongodb+srv://mahnooryameen321:<password>@fashionbot.eh77p91.mongodb.net/?retryWrites=true&w=majority

**in vs code backend:**

1) npm install mongodb

2) npm install mongoose

3) .env file main jayen and likhen

MONGO\_URL=mongodb+srv://mahnooryameen321:<password>@fashionbot.eh77p91.mongodb.net/?retryWrites=true&w=majority

ab yahan password apna likhen

MONGO\_URL=mongodb+srv://mahnooryameen321:puFwocFUto0OItZN@fashionbot.eh77p91.mongodb.net/?retryWrites=true&w=majority

done!

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**USING MONGO DB in your files:**

const { connect } = require('mongoose')

require('dotenv').config()

**FIREBASE**

**FIREBASE:**

online database hota lekin hum isko use krengy for:

1) image url generation

2)

frontend command prompt main npm install firebase krlo

firebase website pe jao:

* get started
* create project
* project name: FashionBot
* disable google and create project
* console pe hamary sary projects show hoty hain
* </> pe jao
* App nickname: FashionBot hosting ko check nh krna now register app
* use npm pe hi rakhna
* nechy wala code lazzzmi kahin pe copy paste krlo main yahin kr rhi hun:

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// Import the functions you need from the SDKs you need

import { initializeApp } from "firebase/app";

// TODO: Add SDKs for Firebase products that you want to use

// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration

const firebaseConfig = {

apiKey: "AIzaSyA6-DWFBxb\_c7OxPNtEs46eLLP5SGYgUyE",

authDomain: "fashionbot-56ceb.firebaseapp.com",

projectId: "fashionbot-56ceb",

storageBucket: "fashionbot-56ceb.appspot.com",

messagingSenderId: "847929729367",

appId: "1:847929729367:web:073a798c2787f5ea42de12"

};

// Initialize Firebase

const app = initializeApp(firebaseConfig);

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**VS CODE MAIN FRONT END OPEN KARAIN:**

Admin folder main utilities name ka folder banain

utilities main ek file banayen FirebaseConfig.js

uper jo code copy kiya tha wo paste krdain

**SOME CODING FOR INITIAL SETUP:**

1) pehli impoert wali line k nechy likho

import { getStorage } from "firebase/storage"; //yahan humny firebase se storage mungwali

2)last line k nechy yeh likho

export const storage=getStorage(app) //jo storage mungwayi thi usko use krny k liye export krwa liya

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**STORAGE USING:**

ab jahan jahan bhi firebase use krna hoga wahan uper yeh 2 lines ayengi

import {storage} from "path of FirebaseConfig.js"

import {ref, uploadBytes} "firebase/storage"