Money Tracker Project:

MERN Stack used

* Open VS Code -> new terminal -> open as cmd

Yarn is a package manager that we use in our code. It replaces the existing workflow for the npm client or other package managers while remaining compatible with the npm registry. It is 2 times faster than npm. More secure.

* Create a React app:

1. “yarn create react-app .”
2. “yarn start”

* Now the app will start on localhost
* src -> App.js

1. Remove the logo and Remove everything written inside return statement and start writing as needed.
2. Add main block
3. Inside main block all work will be done
4. Inside <h1> we have the balance
5. Then we add a form
6. 2 div will be there -> 1 for 1st 2 inputs to be in same line and 2nd for the 3rd input to be in other line.
7. 1st div-> basic-> 2 inputs of type text and datetime
8. 2nd div-> description-> 1 input of type text
9. The add a button of type submit
10. Form closed
11. Now create another div with classname transactions inside which another div with classname transaction.
12. Inside transaction 2 div will be there-> 1st for displaying content on left side and 2nd for diaplayong content on right side
13. Left div will have 2 div-> 1 for name and second for description
14. Right div will have 2 div-> 1 for price and other for datetime

* Next will be designing:

1. Go to App.css
2. Do the css designing

* Next step is to make our form functional:

Here we dive into React!!

=> useState is React Hook that allows you to add state to a functional component. It returns an array with two values: the current state and a function to update it. The Hook takes an initial state value as an argument and returns an updated state value whenever the setter function is called

const [name, setName] = useState("");

  const [datetime, setDatetime] = useState("");

  const [description, setDescription] = useState("");

Also,

<input type="text"

                 value={name}

                 onChange={ev => setName(ev.target.value)}

                 placeholder='+200 new samsung tv' />

          <input type="datetime-local"

                 value={datetime}

                 onChange={ev => setDatetime(ev.target.value)} />

Now create a new folder named “api” within which create a new file named “index.js”.

At first open the cmd from terminal and run “yarn add express”

A visible error while connecting backend with frontend is: CORS error: Cross Origin Resource Sharing

It is a browser security feature and it restricts different origin http requests.

const cors = require('cors');

app.use(cors());

Next error is “Unexpected end of JSON input SyntaxError: Unexpected end of JSON input at [http://localhost:3000/static/js/bundle.js:46:16”](http://localhost:3000/static/js/bundle.js:46:16\”)

To resolve it:

app.use(express.json());