CRYPTOVERSE

(CryptocurrencyDashboard)

- **TeamDetails:**

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CRYPTOVERSE:

Introduction:

The cryptoverse refers to the expansive digital ecosystem surrounding cryptocurrenciesandblockchaintechnology.Itencompassesavariousapplications, including decentralized finance, virtual worlds, and digital assets, enabling users to engage in innovative financial and creative activities.

Cryptocurrency is a type of digital or virtual currency that uses cryptography for security. It operates on decentralized networks based on blockchain technology, whichis adistributedledgerenforcedbyanetworkofcomputers (oftenreferredto as nodes).

CurrentTrendsinthe Cryptoverse:

Mass Adoption: Cryptocurrencies are moving beyond rich markets, attracting interest from a broader audience, including everyday consumers and institutional investors.

Environmental Concerns: The energy consumption associated with mining cryptocurrencies has raised concerns, prompting a shift towards more sustainable practices like Proof of Stake.

Educational Initiatives: There is a growing need for educational resources tohelpthegeneralpublicunderstandthecomplexitiesofcryptocurrency.

Pre-requisites:

Node.jsandnpm:

Node.jsisapowerfulJavaScriptruntimeenvironmentthat allowsyou to run JavaScript code on the local environment. It providesa scalableand efficient platform for building network application.

- Download:https://nodejs.org/en/download/

React.js: It's is a popular JavaScript library for building user interfaces. It enables developers to create interactive and reusable UI components, making it easier to build dynamic and responsive web applications.

- Startthedevelopmentserver:

  npm start

  Thiscommand launches the developmentserver, and access our React app at http://localhost:3000in our web browser.

✔ HTML, CSS, and JavaScript: Basic knowledge of HTML for creating the structureofyourapp,CSSforstyling,andJavaScriptforclient-sideinteractivity is essential.

✔**Version Control:**Use GIT for version control, that enabling collaboration and tracking changes throughout the development process. We use the Platform GitHub an host your repository.

GIT: Download and installation instructions can be found at: https://git-scm.com/downloads

✔ **Development Environment**: Choose a code editor or Integrated Development Environment (IDE) that suits for our preferences, we use Visual Studio Code.

Visualstudiocode: https://code.visualstudio.com/download.

InstallDependencies:

- Navigateintotheclonedrepositoryandinstalllibraries: cd crypto
  npminstall

✔StarttheDevelopmentServer:

Tostartthedevelopmentserver,executethefollowing command:

npm run dev (vite) or npm start.

OURGITHUBREPOSITORYLINK:

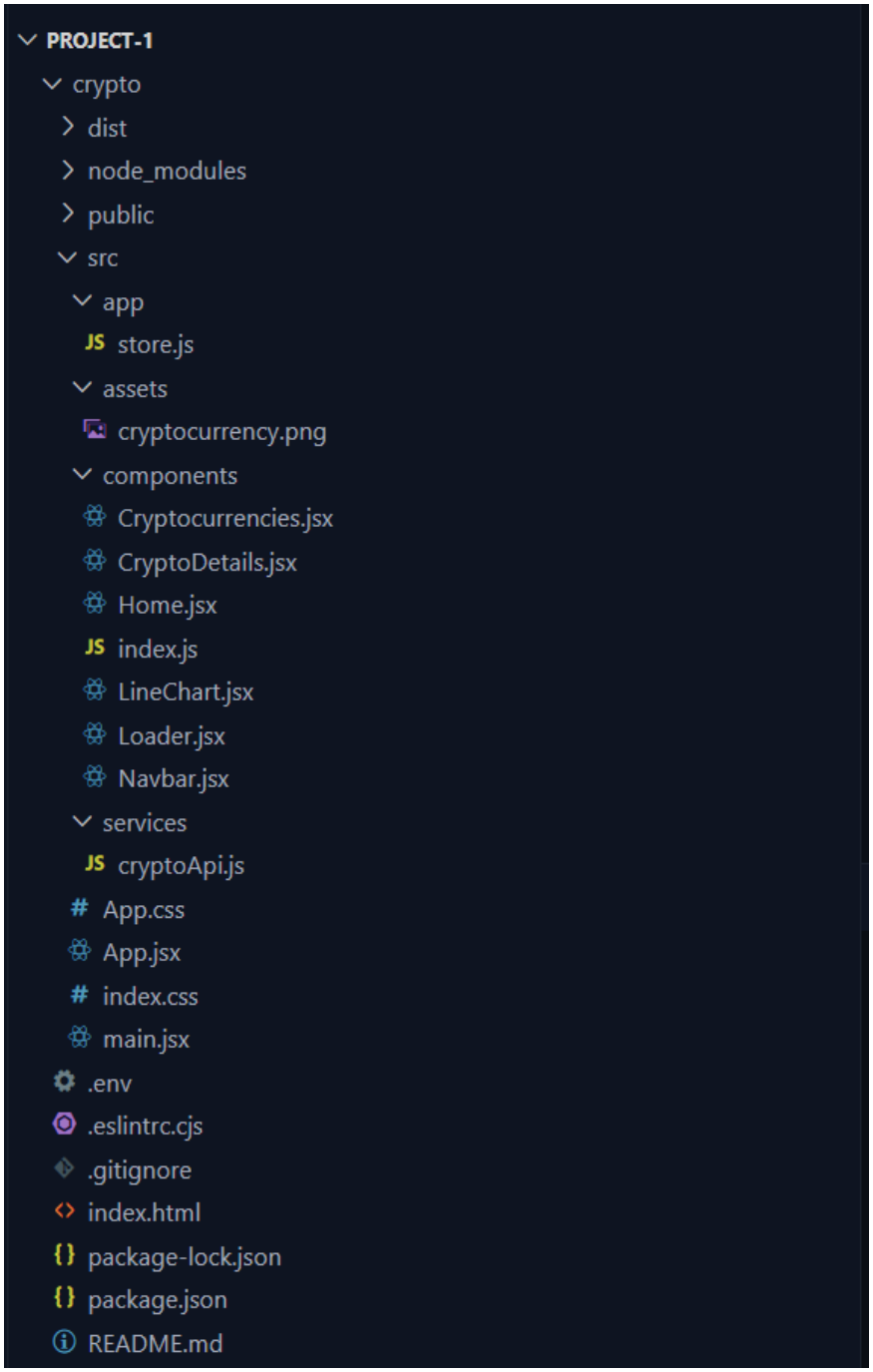
https://github.com/venkatesan-2808/cryptocurrency1

AccesstheApp:

- Openyourwebbrowserandnavigatetohttp://localhost:5173/
- YoushouldseetheourCryptoverseapp'shomepage, indicating that the installation andsetupwere successful.

Nowwehavesuccessfullyinstalledandsetuptheapplicationonour local machine. We can now proceed with further customization, development, and testing as needed.

ProjectStructure:



ProjectFlow:

- Projectsetupandconfiguration:

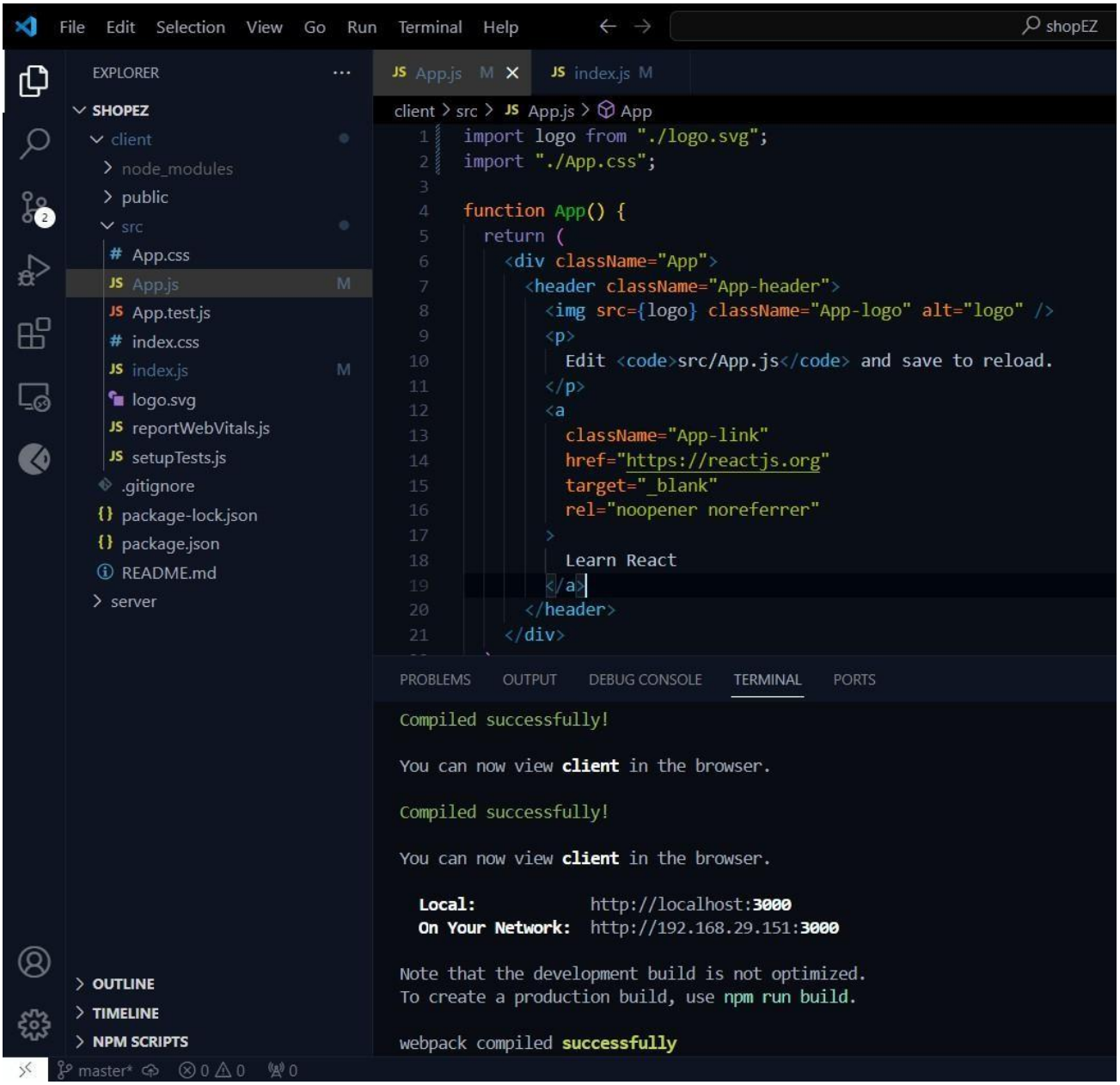
  1. **SetupReactApplication:**
  • CreateaReactappintheclientfolder.
  • Installrequiredlibraries
  • Createrequiredpagesandcomponentsandaddroutes.

  2. **DesignUIcomponents:**
  • CreateComponents.
  • Implementlayout andstyling.
  • Addnavigation.

  3. **Implementfrontendlogic:**
  • IntegrationwithAPIendpoints.
  • Implement databinding.

  Reference Video Link:
  https://drive.google.com/file/d/1EokogagcLMUGiIluwHGYQo65x8GRpDcP/view?usp=sharing

ReferenceImage:



ProjectDevelopment:

- **Createareduxstore:**

  1. import{configureStore}from"@reduxjs/toolkit";`:Thislineimportsthe `configureStore`functionfromRedux Toolkit.ReduxToolkitis apackage that provides utilities to simplify Redux development, making it easier to write Redux logic with lessboilerplatecode.

  2. `import{cryptoApi}from"../services/cryptoApi";`:Thislineimportsthe `cryptoApi` object from the `cryptoApi.js` file located in the `../services` directory.

Thisobjectlikelycontainsconfigurationsandfunctionsrelatedtomaking API requests for cryptocurrency data.

3. 'exportdefaultconfigureStore({...});`:ThislineexportstheRedux store configuration created by the `configureStore' function as the default export of this module.

4. `reducer:{[cryptoApi.reducerPath]:cryptoApi.reducer}`:Thispart ofthe configuration specifies the rootreducer for the Redux store. In this case, it sets the `cryptoApi.reducer`asthereducerforthesliceofstatemanagedby the `cryptoApi` API slice. The `cryptoApi.reducerPath` likely refers to the slice'suniqueidentifier, which is used internally by Redux Toolkit.

5. `middleware: (getDefaultMiddleware) => getDefaultMiddleware().concat(cryptoApi.middleware),`: This part of the configuration specifies middleware for the Redux store. Middleware intercepts actions before they reach the reducers and can be used for variouspurposes,suchaslogging,asynchronousactions,orhandlingAPI requests. Here, it uses the `getDefaultMiddleware` function provided by Redux Toolkit to get the default middlewarestackandappendsthe`cryptoApi.middleware`. Thismiddlewarelikely handles asynchronous API requests and dispatches corresponding actions based on the API response.

this configuration sets up a Redux store with a specific reducer and middlewareprovided by the `cryptoApi` object, which presumablymanagesstaterelated to cryptocurrency data fetched from an external API. This setup allows you to manage and interact with this data using Redux within your React application.

```
import { configureStore } from "@reduxjs/toolkit";
import { cryptoApi } from "../services/cryptoApi";

export default configureStore({
  reducer: {
    [cryptoApi.reducerPath]: cryptoApi.reducer,
  },
  middleware: (getDefaultMiddleware) =>
    getDefaultMiddleware().concat(cryptoApi.middleware),
});

```

,andqueryfunctionsrequiredformakingrequeststothecryptocurrency API.

- **CreateaAPIsliceusingReduxtoolkit's:**

1. ImportStatements:

-`import { createApi, fetchBaseQuery } from "@reduxjs/toolkit/query/react";`:Thislineimportsthenecessary functions from Redux Toolkit's query-related module.
`createApi` is used to create an API slice, while `fetchBaseQuery` is a utility function provided by Redux Toolkit for making network requests using `fetch`.

2. HeaderandBaseURLConfiguration:

`constcryptoApiHeaders={...}`:Thisobjectcontainsheadersrequired for making requests to the cryptocurrency API. The values for `X- RapidAPI-Key"` and

`"X-RapidAPI-Host"`areretrievedfromenvironmentvariablesusing `import.meta.env`.

-`constbaseUrl=https://coinranking1.p.rapidapi.com`:Thisvariable holds the base URL for the cryptocurrency API, which is also retrieved from environment variables.

3. RequestCreationFunction:

'constcreateRequest=(url)=>({url,headers:cryptoApiHeaders});`:This function.

`createRequest` takes a URL and returns an object with the URL and headers required for making a request. It utilizes `cryptoApiHeaders` to include necessary headers intherequest.

4. CreateAPISlice:

`exportconstcryptoApi=createApi({...})`:Thispartusesthe `createApi` function to create an API slice named `cryptoApi`. It takes an object with several properties:

- `reducerPath`:Specifiesthepathunderwhichtheslice'sreducerwill be mounted in the Redux store.

- `baseQuery`:ConfiguresthebasequeryfunctionusedbytheAPI slice. In this case, it uses `fetchBaseQuery` with the base URL specified.

- `endpoints`:DefinestheAPIendpointsavailableintheslice.It'san object with keys corresponding to endpoint names and values being endpoint definitions.

5. APIEndpoints:

- `getCryptos`, `getCryptoDetails`, `getCryptoHistory`: These areendpoints defined using the `builder.query` method. Each endpoint is configured with a `query` function that returns the request configuration object created by `createRequest`.

6. ExportingHooks:

- `exportconst{...}`:Thislineexportshooksgeneratedbythe `createApi`function,allowingcomponentstoeasilyfetchdatafromthe API slice. Each hook corresponds to an endpoint defined in the `endpoints`object.

Overall, this code sets up an API slice named `cryptoApi` using Redux Toolkit's query functionality. It defines endpoints for fetching cryptocurrencies, cryptocurrency details, and cryptocurrency history.

App.jsx | Loader.jsx | cryptoApi.js ● | Cryptocurrencies.jsx ● | LineChart.jsx

code > src > services > JS cryptoApi.js > ...

```
1  import { createApi, fetchBaseQuery } from "@reduxjs/toolkit/query/react";
2
3  const cryptoApiHeaders = {
4    "X-RapidAPI-Key": 'd9ccbe2e00mshe785fadd99ee82cp143ca5jsn2b972854cbd8',
5    "X-RapidAPI-Host": 'coinranking1.p.rapidapi.com',
6  };
7
8  const baseUrl = 'https://coinranking1.p.rapidapi.com';
9
10 const createRequest = (url) => ({ url, headers: cryptoApiHeaders });
11
12 export const cryptoApi = createApi({
13   reducerPath: "cryptoApi",
14   baseQuery: fetchBaseQuery({ baseUrl }),
15   endpoints: (builder) => ({
16     getCryptos: builder.query({
17       query: (count) => createRequest(`/coins?limit=${count}`),
18     }),
19
20     getCryptoDetails: builder.query({
21       query: (coinId) => createRequest(`/coin/${coinId}`),
22     }),
23     getCryptoHistory: builder.query({
24       query: ({ coinId, timePeriod }) =>
25         createRequest(`coin/${coinId}/history?timePeriod=${timePeriod}`),
26     }),
27   }),
28 });
29
30 export const {
31   useGetCryptosQuery,
32   useGetCryptoDetailsQuery,
33   useGetCryptoHistoryQuery,
34 } = cryptoApi;
35
```

- **AddingProvidersinthemainfunction:**

ReactRouterwithBrowserRouter:

- `<BrowserRouter>`:Thiscomponentisprovidedby`react-router-dom` and enables client-side routing using the HTML5 history API. It wraps the application, allowing it to use routing features.

ReduxProvider:

-

- `<Providerstore={store}>`:Thiscomponentisprovidedby`react-redux` and is used to provide the Redux store to the entire application. It wraps the application, allowing all components toaccess the Redux store.

Overall, thiscodeinitializestheReactapplicationbyrenderingtheroot component (`<App />`) into the DOM, while also providing routing capabilities through

`BrowserRouter`andstatemanagementwithReduxthrough`Provider`. Additionally, it ensures stricter development mode checks with '<React.StrictMode>'.

```jsx
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App.jsx";
import "./index.css";
import { BrowserRouter } from "react-router-dom";
import { Provider } from "react-redux";
import store from "./app/store.js";

ReactDOM.createRoot(document.getElementById(
"root")).render(
  <React.StrictMode>
    <BrowserRouter>
      <Provider store={store}>
        <App />
      </Provider>
    </BrowserRouter>
  </React.StrictMode>
);
```

- **CreatingaLinechartcomponent**:

  ThiscodedefinesaReactcomponentcalled`LineChart`whichrendersa line chart usingthe`react-chartjs-2` library.

  1. Imports:

     importReactfrom"react":Importsthe`React` module.

     import{Line}from"react-chartjs-2";`:Importsthe`Line`component from the`react-chartjs-2` library, which is used to render line charts.

import{Col,Row,Typography}from"antd";`:Importsspecific components from the Ant Design library, including `Col`, `Row`, and `Typography.const{Title}=Typography;`:Destructuresthe`Title` component from the`Typography` module.

2. ComponentDefinition:

   constLineChart=({coinHistory,currentPrice,coinName})=>{...}`: Definesa functional component called `LineChart`. It takes three props: `coinHistory`,currentPrice`, and `coinName`.

3. DataPreparation:

   - Insidethecomponent, itloopsthrough the`coinHistory`datatoextract `coinPrice`and`coinTimestamp`arrays.Thesearrayswillbeusedas data points for the line chart.

4. ChartData:

   `constdata={...}`:Definesthedataobjectforthelinechart.It includes labels (timestamps) and datasets (coin prices).

5. Rendering:

   - Insidethereturnstatement,itrendersthechartheader,includingthe coin name, price change, and current price.

   - `Row`and`Col`fromAntDesignareusedtostructurethelayout.

   - The`Line`componentrenderstheactuallinechartusingthedata object defined earlier.

6. Export:

   - `exportdefaultLineChart;`:Exportsthe`LineChart`componentas the default export.

Overall,thiscomponentreceiveshistoricaldata(`coinHistory`), current price (`currentPrice'), and the name of the cryptocurrency (`coinName') as props, and renders a line chart displaying the historical price data. It also includes additional information such as the price change and current price displayed above the chart.

```jsx
import React from "react";
import { Line } from "react-chartjs-2";
import { Col, Row, Typography } from "antd";
const { Title } = Typography;

const LineChart = ({ coinHistory, currentPrice, coinName }) => {
  const coinPrice = [];
  const coinTimestamp = [];

  for (let i = 0; i < coinHistory?.data?.history?.length; i += 1) {
    coinPrice.push(coinHistory?.data?.history[i].price);
    coinTimestamp.push(
      new Date(
        coinHistory?.data?.history[i].timestamp * 1000
      ).toLocaleDateString()
    );
  }

  const data = {
    labels: coinTimestamp,
    datasets: [
      {
        label: "Price In USD",
        data: coinPrice,
        backgroundColor: "#0071bd",
        borderColor: "#0071bd",
      },
    ],
  };

  return (
    <>
      <Row className="chart-header">
        <Title level={2} className="chart-title">
          {coinName} Price Chart
        </Title>
        <Col className="price-container">
          <Title level={5} className="price-change">
            Change: {coinHistory?.data?.change}%
          </Title>
          <Title level={5} className="current-price">
            Current {coinName} Price: $ {currentPrice}
          </Title>
        </Col>
      </Row>
      <Line className="chart" data={data} />
    </>
  );
};

export default LineChart;
```

- **Creatingcryptocurrenciescomponent:**

1. ComponentDefinition:

`constCryptocurrencies=({simplified})=>{...}`:Definesafunctional component named `Cryptocurrencies`. It accepts a prop named `simplified`,whichdeterminesthertodisplayasimplifiedversionof the list.

2. Initialization:

'constcount=simplified?10:100:Initializes the`count`variablebased on the value of the `simplified` prop. If `simplified` is true, `count` is set to 10; otherwise, it's set to 100.

3. FetchingCryptocurrencyData:

`const{data:cryptosList,isFetching}=useGetCryptosQuery(count);`: Uses the `useGetCryptosQuery` hook provided by the `cryptoApi' service tofetch cryptocurrency data. It retrieves the list of cryptocurrencies (`cryptosList`) and a boolean flag (`isFetching`) indicating whether the data is being fetched.

4. FilteringCryptocurrencyData:

- The`useEffect` hookisusedto filter thecryptocurrency databasedon the `searchTerm` state variable. It updates the `cryptos` state with filtereddatawhenever`cryptosList`or`searchTerm`changes.

5. RenderingLoader:

- `if(isFetching) return <Loader />;`: Ifdatais still being fetched (`isFetching` is true), it returns a `Loader` component to indicate that the data is loading.

6. RenderingSearchInput:

- `!simplified&&(...)`:If`simplified`isfalse,itrendersasearchinput fieldallowinguserstosearchforspecificcryptocurrenciesbyname.

7. RenderingCryptocurrency Cards:

- The`Row`and`Col`componentsfromAntDesignareusedtocreate a grid layout for displayingcryptocurrency cards.

- For each cryptocurrency in the `cryptos` array, it renders a `Card` component containing details such as name, price, market cap, and daily change. Each card is wrapped in a `Link` component, allowing users to navigate to the details page of a specific cryptocurrency.

8. ReturnStatement:

- `return(...)`:ReturnsJSXrepresentingthecomponent'sstructureand content.

Overall, this component fetches cryptocurrency data, filters it based on a searchterm, andrenders the data in a visually appealingformat withcard-based UI. It also provides a search functionality for users to find specific cryptocurrencies.

```jsx
import React, { useEffect, useState } from "react";
import millify from "millify";
import { Link } from "react-router-dom";
import { Card, Row, Col, Input } from "antd";
import { useGetCryptosQuery } from "../services/cryptoApi";
import Loader from "./Loader";

const Cryptocurrencies = ({ simplified }) => {
  const count = simplified ? 10 : 100;
  const { data: cryptosList, isFetching } = useGetCryptosQuery(count);
  const [cryptos, setcryptos] = useState([]);
  const [searchTerm, setsearchTerm] = useState("");

  useEffect(() => {
    const filteredData = cryptosList?.data?.coins.filter((item) =>
      item.name.toLowerCase().includes(searchTerm.toLowerCase())
    );
    setcryptos(filteredData);
  }, [cryptosList, searchTerm]);

  if (isFetching) return <Loader />;

  return (
    <>
      {!simplified && (
        <div className="search-crypto">
          <Input
            placeholder="Search Cryptocurrency"
            onChange={(e) => setsearchTerm(e.target.value)}
          />
        </div>
      )}
      <Row gutter={[32, 32]} className="crypto-card-container">
        {cryptos?.map((currency) => {
          return (
            <Col
              xs={24}
              sm={12}
              lg={6}
              className="crypto-card"
              key={currency.uuid}
            >
              <Link key={currency.uuid} to={`/crypto/${currency.uuid}`}>
                <Card
                  extra={
                    <img classNAme="crypto-image" src={currency.iconUrl} />
                  }
                  title={`${currency.rank}. ${currency.name}`}
                >
                  <p>Price: {millify(currency.price)}</p>
                  <p>Market Cap: {millify(currency.marketCap)}</p>
                  <p>Daily Change: {millify(currency.change)}</p>
                </Card>
              </Link>
            </Col>
          );
        })}
      </Row>
    </>
  );
};

export default Cryptocurrencies;
```

- **<u>Createacomponenttoshowthedetailsofcryptocurrency</u>:**

ThiscodedefinesaReactfunctionalcomponentcalled`CryptoDetails’ responsible fordisplaying detailed information about a specific cryptocurrency. Let's break down the code:

1. ComponentDefinition:

   constCryptoDetails=()=>{...}`:Definesafunctionalcomponentnamed CryptoDetails`. It doesn't accept any props directly but utilizes React Router'suseParams`hooktogetthe`coinId`parameterfromtheURL.

2. StateInitialization:

   - Initializesstatevariables`timePeriod`and`coinHistory`. `timePeriod`represents the selected timeperiod for displaying cryptocurrencyhistory,and`coinHistory`storeshistoricaldataofthe selected cryptocurrency.

3. FetchingData:

   Utilizes`useGetCryptoDetailsQuery’and‘usGetCryptoHistoryQuery’ hooks provided bythe `cryptoApi` service to fetchdetails and historicaldataofthe cryptocurrencyspecifiedby`coinId`.Ituses ‘coinId`obtainedfrom`useParams`to fetch data for the specific cryptocurrency.

4. SettingCoinHistory:

   Utilizes `useEffect` hook to update the `coinHistory` state when coinHistoryData`changes.Thisensuresthatthecomponentre-renderswith updated historical data.

5. RenderingLoader:

   - Displaysaloadingindicator(`<Loader/>`)whiledataisbeingfetched (`isFetching` is true).

6. TimePeriodSelection:

   Renders a `Select` component allowing users to choose the time periodfor displayinghistorical data. It triggers the `setTimePeriod` function when the selection changes.

7. RenderingLineChart:

   - Utilizesthe`LineChart`componenttodisplaythehistoricalprice trend ofthecryptocurrencyovertheselectedtimeperiod.

8. RenderingStatistics:

   Displaysvariousstatisticsrelatedtothecryptocurrency,suchasprice,rank, volume,market cap, etc. Thesestatistics are displayedintwo sections: `stats`and`genericStats`.

9. RenderingDescriptionandLinks:

   - Parsesanddisplaysthedescriptionofthecryptocurrencyusing `HTMLReactParser`.

   - Renderslinksrelatedtothecryptocurrency,suchasofficialwebsites, social media, etc.

10. ReturnStatement:

    - ReturnsJSXrepresentingthestructureandcontentofthecomponent.

Overall, this component fetches and displays detailed informationabout a specific cryptocurrency, including historical price data, key statistics, description, and related links.

- **CreateaHomepage:**

  This component, named `Home`, is a React functional componentresponsiblefor rendering the home page ofthe cryptocurrency dashboard. Let's break down the code:

1. ComponentDefinition:

   `constHome=()=>{...}`:Definesafunctionalcomponentnamed `Home`.

2. DataFetching:

   - Uses the `useGetCryptosQuery` hook provided by the `cryptoApi` service to fetch data for the top 10 cryptocurrencies. It retrieves data and a boolean flag indicatingwhetherdataisbeingfetched.

3. RenderingLoader:

   - Displaysaloadingindicator(`<Loader/>`)whiledataisbeingfetched (`isFetching` is true).

4. GlobalCrypto Stats:

   Renders statistics about the global cryptocurrency market,including total cryptocurrencies, total exchanges, total market cap, total 24-hour volume, and total markets. These statistics are displayedusingthe `Statistic`componentfromAntDesign.

5. Top10Cryptocurrencies:

   - Rendersasectiondisplayingthetop10cryptocurrenciesintheworld.

   - Utilizes the `Cryptocurrencies` component with the `simplified` prop settotrueto display a simplified version of the list.

   - Providesalinktoviewmorecryptocurrenciesusingthe`Link` component from React Router.

6. ReturnStatement:

   - ReturnsJSXrepresentingthestructureandcontentofthecomponent.

Overall,thiscomponentfetchesanddisplaysglobal cryptocurrency
statisticsandthe top 10 cryptocurrencies on the homepage of the dashboard. It provides links for users to navigate to the full list of cryptocurrencies.

```jsx
import React from "react";
import milify from "millify";
import { Typography, Row, Col, Statistic } from "antd";
import { Link } from "react-router-dom";
const { Title } = Typography;
import { useGetCryptosQuery } from "../services/cryptoApi";
import Cryptocurrencies from "./Cryptocurrencies";
import Loader from "./Loader";

const Home = () => {
  const { data, isFetching } = useGetCryptosQuery(10);
  if (isFetching) return <Loader />;
  const globalStats = data?.data?.stats;

  return (
    <>
      <Title level={2} className="heading">
        Global Crypto Stats
      </Title>
      <Row>
        <Col span={12}>
          <Statistic title="Total Cryptocurrencies" value={globalStats.total} />
        </Col>
        <Col span={12}>
          <Statistic
            title="Total Exchanges"
            value={milify(globalStats.totalExchanges)}
          />
        </Col>
        <Col span={12}>
          <Statistic
            title="Total Market Cap"
            value={milify(globalStats.totalMarketCap)}
          />
        </Col>
        <Col span={12}>
          <Statistic
            title="Total 24h Volume"
            value={milify(globalStats.total24hVolume)}
          />
        </Col>
        <Col span={12}>
          <Statistic
            title="Total Markets"
            value={milify(globalStats.totalMarkets)}
          />
        </Col>
      </Row>
      <div className="home-heading-container">
        <Title level={2} className="home-title">
          Top 10 Cryptocurrencies in the world
        </Title>
        <Title level={3} className="show-more">
          <Link to="/cryptocurrencies">Show More</Link>
        </Title>
      </div>
      <Cryptocurrencies simplified />
    </>
  );
};

export default Home;
```

ProjectExecution:

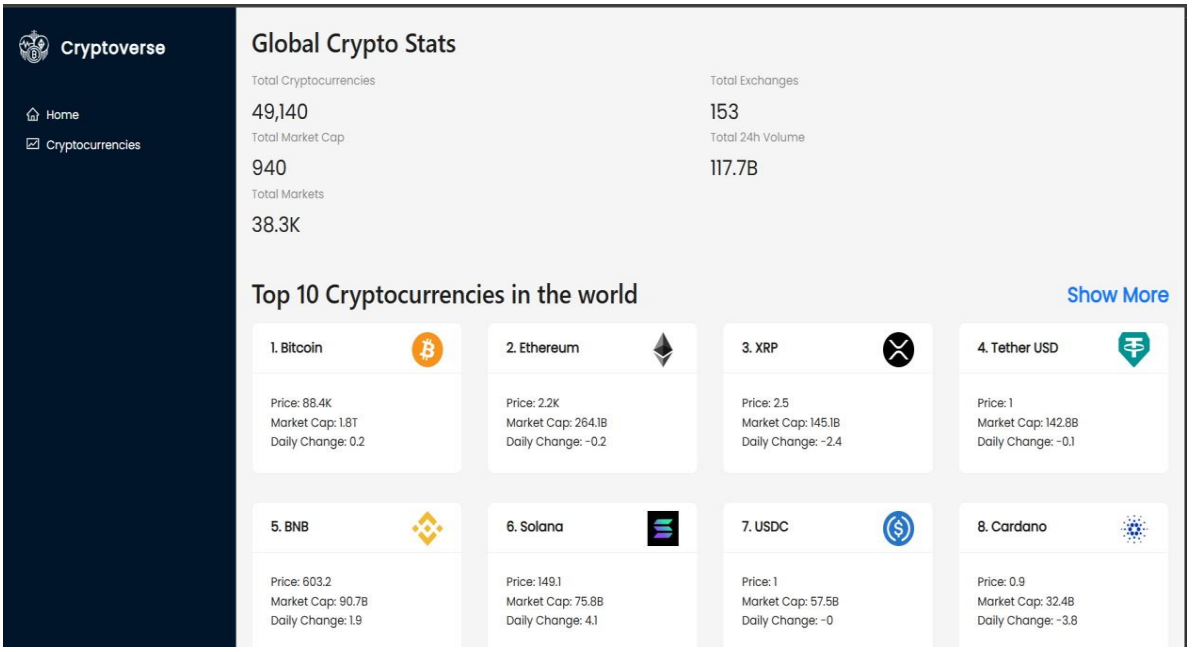
Hereisthevideolinkofreactapplicationexecution:
https://drive.google.com/file/d/1hbDljCv0R_a_lLrRCh-8yMea-WCvKP1e/view?usp=sharing

Projectdemo:

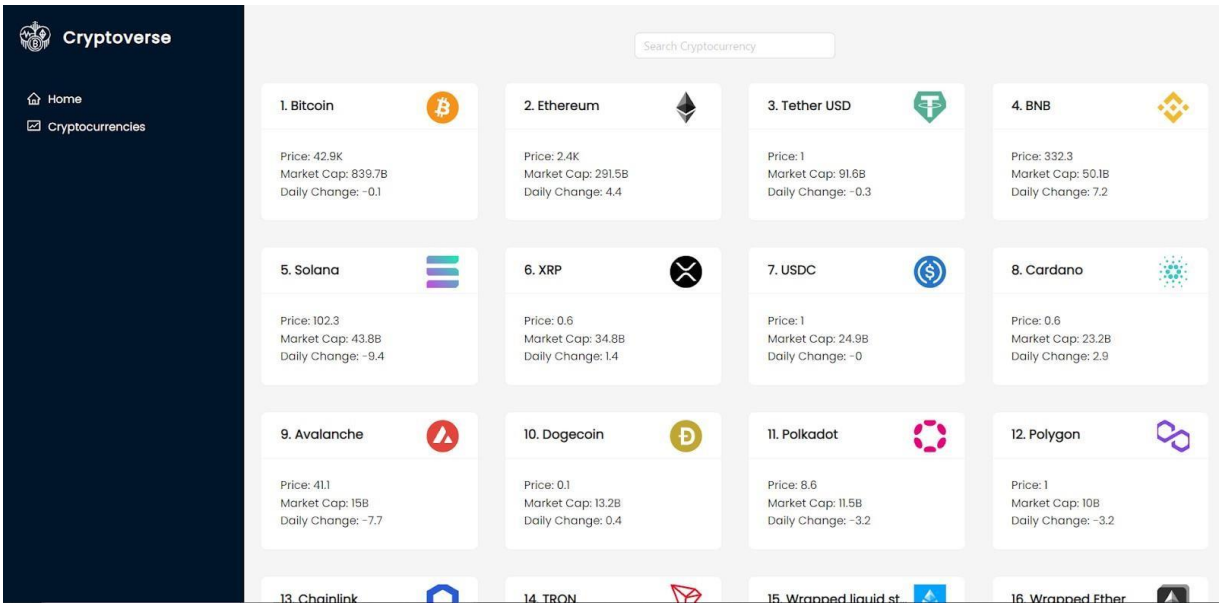
Demo link:
https://drive.google.com/file/d/1FheBywfSJu2XgUM1p13K4G7uo7RU5wE1/view?usp=sharing

UserInterfacesnips:

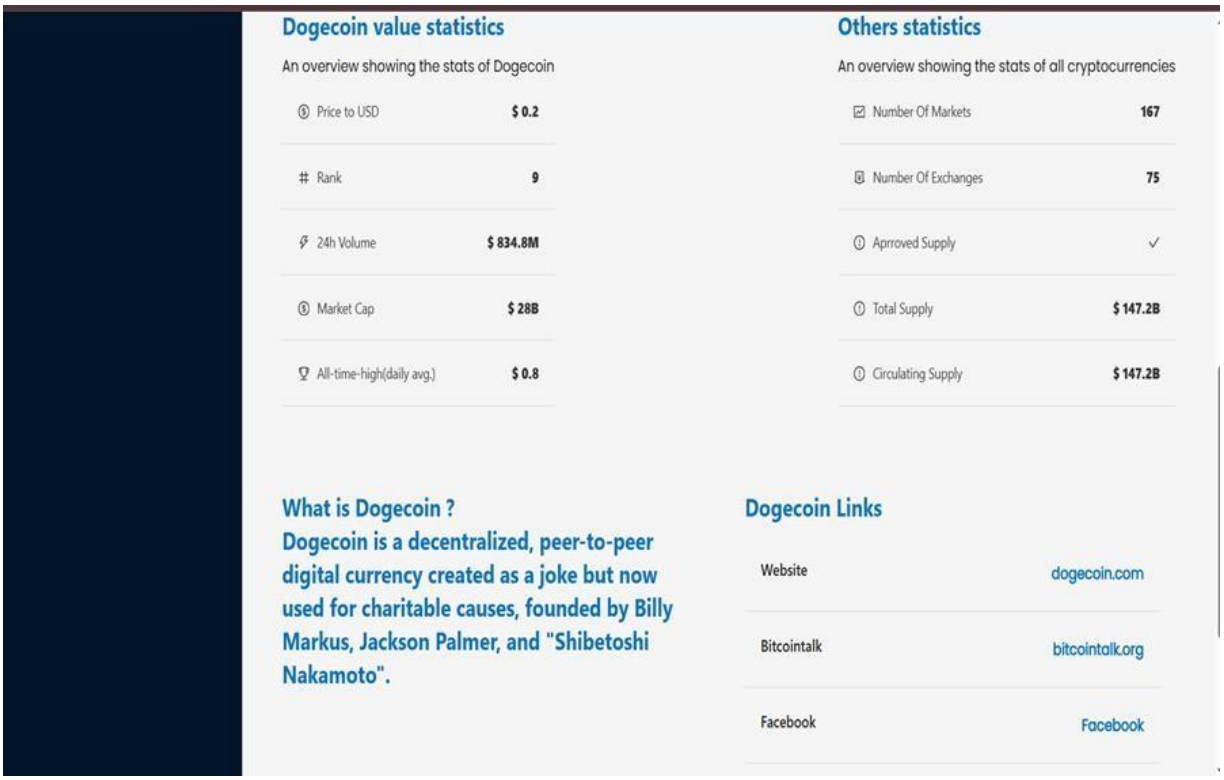
Homepage:Thispagesconsistsofstatsofglobalcryptoliketotalcryptocurrencies, total exchanges, market cap etc. Also consist of top 10 cryptocurrencies in the world.



Crypto currencies page: This pages contains all cryptocurrencies which are currently inflow in the world. There is also a search feature where users can searchand findout about their desiredcryptocurrency.



This page contains the line chart with data representation of price of cryptocurrencies.Alsocontainsstatisticsandwebsitelinksof cryptocurrencies.


Dogecoin value statistics
An overview showing the stats of Dogecoin
Price to USD $ 0.2
Rank 9
24h Volume $ 834.8M
Market Cap $ 28B
All-time-high(daily avg.) $ 0.8
Others statistics
An overview showing the stats of all cryptocurrencies
Number Of Markets 167
Number Of Exchanges 75
Aprroved Supply ✓
Total Supply $ 147.2B
Circulating Supply $ 147.2B
What is Dogecoin ?
Dogecoin is a decentralized, peer-to-peer digital currency created as a joke but now used for charitable causes, founded by Billy Markus, Jackson Palmer, and "Shibetoshi Nakamoto".
Dogecoin Links
Website dogecoin.com
Bitcointalk bitcointalk.org
Facebook Facebook

THANKYOU