Chapter 07 - Finding the Path

Assignment
- What are various ways to add images into our App? Explain with code examples
  1. from URL
  2. By downloading to app and passing as a variable
  3. Using file as a component
        ```
  import {LOGO as ReactComponent } from "./logo.svg";
  <LOGO/>
  ``
- What would happen if we do console.log(useState())?
        ``` useState ƒ useState(initialState) {
      var dispatcher = resolveDispatcher();
      return dispatcher.useState(initialState);
   }
        ```
- How will useEffect behave if we don't add a dependency array ?
- IT will be called every time the component renders
- What is SPA?
  A single page application is a web application where when user goes to different page that page is loaded on the current page instead of creating an entire new page .
- What is the difference between Client Side Routing and Server Side Routing?
- In server side routing each time a user changes the pages ,the request goes to server then server send html and css to browser to display same for every request but in client side everything data is only requested from server , the html and css is already on client side so it enable good user experience

Coding Assignment:
- Add Shimmer Effect without installing a library
- Install react-router-dom
- Create a appRouter and Provide it to the app
- Create a Home, About, Contact Page with Link (use child routes)
- Make a Error page for routing errors
- Create a Restaurant Page with dynamic restaurant ID
- (Extra) - Create a login Page using Formik Library
- Coding assignment -https://github.com/shubham12346/foodOrderingApp.github.io

Resources:
- React Router DOM - https://reactrouter.com/en/main
- Client Side Routing - https://reactrouter.com/en/main/start/overview
- Formik - https://formik.org/