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| Difference in useEffect with [] and no dependency array   |  | | --- | | With []    Here useEffect will called **once after initial render** |  |  | | --- | | Without []    useEffect will be **called after every render** |   Some important points ->   1. Never create functional component inside the component      1. Never use useEffect hooks in if else     It creates inconsistency   1. Never write it inside for loop     4)**useState hook** -> react provided useState to create local state variable **inside the component.** |

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| Creating shimmer UI  For one card      For 20 cards |

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| Rerouting our page using React Router  Install react router dom    Creating about component    Now changing below App.js    Now import below to App.js  import { createBrowserRouter, RouterProvider} from "react-router-dom"    Results |
| Error handling for <http://localhost:1234/ddafaffagga>      useRouteError hook |

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| **SPA- Single Page Application.** |

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| **Type of Routing** |

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| Adding hyperlink to our webpage      We are not using href because it will reload complete page. Link to works exactly same as  Here we are **client side routing** as we are not making any call to server.    Here we have href behind the scenes but Link to is keeping the track of our links. |
| **Nested Routing**    Header footer got removed  Previous code    We will be adding child configs in appRouter.  Import      All the children will go into **outlet** depending on the path (Route)  **Dynamic Routing**    Added component    App.js      Reading params from the URL      Now displaying Id to your UI (**Reading params from dynamic URL**) |