|  |
| --- |
|  |

|  |
| --- |
| This is **props** |

|  |
| --- |
| **Bundler(do chatGPT)**  A bundler in React (or any JavaScript application) is a tool that takes various modules, dependencies, and assets of a project and compiles them into optimized static files for deployment. Bundlers are crucial for managing performance, dependencies, and code splitting.  Some popular bundler are Webpack, vite, parcel.  We will use parcel  package lock json vs package json with respect to react and bundler(parcel)(Chatgpt)  Parcelccc…  - npm init ->get npm in our project, create package.json.  -npm i -D parcel ->to install parcel  package lock json   * Locks the version * It mains the hash (integrity)   Node\_module- this is the database of npm. It is very heavy. Don’t put it on git. Package.json are enough to recreate Node\_module.  We will generate Node\_module on server with the help of package.json.    Install react in better way.   * npm install react * npm i react-dom , i/install same thing * npx parcel index.html - npx means execute, creates development build.   Parcel created mini server for us   * npx parcel build index.html - production build |

|  |
| --- |
| Got error as we havent imported reacted |

|  |
| --- |
| Got below error even after import in terminal as well as browser    Issue is becoz we didn’t specify type module in script tag of the html    For react 18+ |

|  |
| --- |
| HMR- Hot Module Replacement  When safe changes in the code the browser automatically got reloaded. This HMR feature of parcel.  It uses **file watcher algorith** (C++) to perform HMR. |

|  |
| --- |
| **parcel-cache** - created to provide some space to parcel so that it can perform its operation.  **dist** - cmd: npx parcel build index.html - production build it creates the dist on runnig this command.  Parcel bundled .css, .js, .html files and moved to dist folder (minify)  Some features of Parcel.      Transitive dependencies- use this term in interview.  “We have our package manager which manages and take care of our transitive dependencies”..  Tree shaking- Removing un wanted code  Read out parcel docs. |

|  |
| --- |
| We have browserList(in node module) which supports older versions of browsers.    See browserList.dev |