



## Session 2 - Igniting our App

Dates	@November 17, 2022
Type	Lesson
Topic	Live Class

### Homework

Please Note:

Write the answers and code on your own while finishing your assignments. Try to put down your thoughts into words by yourself in your own words. (This will help you develop muscle memory and you will remember all the concepts properly)

And get the assignment reviewed, so that reviewers can give you good feedback over your answers. 🙌

Theory Assignment:

- What is `npm` ?
- What is `Parcel/Webpack` ? Why do we need it?
- What is `.parcel-cache` ?
- What is `npx` ?
- What is difference between `dependencies` vs `devDependencies` ?
- What is Tree Shaking?
- What is Hot Module Replacement?
- List down your favourite 5 superpowers of Parcel and describe any 3 of them in your own words.

- What is `.gitignore` ? What should we add and not add into it?
- What is the difference between `package.json` and `package-lock.json` ?
- Why should I not modify `package-lock.json` ?
- What is `node_modules` ? Is it a good idea to push that on git?
- What is the `dist` folder?
- What is `browserlists` ?
- What is `<noscript>` tag in the index.html of Create React App?
- What is the role of `manifest.json` file in Create React App?

Project Assignment:

- In your existing project
  - initialize `npm` into your repo
  - install `react` and `react-dom`
  - remove CDN links of react
  - install parcel
  - ignite your app with parcel
  - add scripts for "start" and "build" with parcel commands
  - add `.gitignore` file
  - add `browserlists`
  - build a production version of your code using `parcel build`
- Create a create-react-app
  - Look into each file/folder and be curious!

### References

- [Creating your own create-react-app](#)
- Parcel Documentation: <https://parceljs.org/getting-started/webapp/>

- Parcel on Production: <https://parceljs.org/features/production/>
- BrowsersList: <https://browserslist.dev/>