npm – used to manage JavaScript packages but it is not abbreviated as node package manager.

Standard repository where many packages hosted

npm is the world's largest software registry. Open source developers from every continent use npm to share and borrow packages, and many organizations use npm to manage private development as well.

Package.json is a configurstion file for npm

A bundler in react. js is a tool which allows to package code into a single file or bundle. Due to this size of code will reduce and so performance of application will improve. Common bundlers used with React are Webpack and Parcel.

There are two type of dependencies

* Dev dependemcy – required in development phase
* Normal dependency – used in production also

Parcel is done in development phase

So we use npm install -D parcel where D denotes development

Package-lock.json keeps track on versions of all the dependencies that are being installed

“It works on my local but not working on my production” – to avoid that package-lock.json keeps a hash to verify whatever there is on my machine is the same version when deployed to the production

node\_modules is the database which contains the actual data of the dependencies - contains all the code fetched from npm

Our project needs parcel depencency, parcel as a project has its own dependencies and those dependencies has its own dependencies , this is known as transitive dependencies

Parcel is a beast, it does lot of thing for our project.

If I have package.json and package-lock.json , I can recreate all the node\_modules whenever required

Just give npm install -it will install all the required dependencies and recreates the node\_modules