Nodemon

Full Stack Web Development

Nodemon

- nodemon is a tool that helps develop node.js based applications by automatically restarting the node application when file changes in the directory are detected.

- nodemon does not require any additional changes to your code or method of development.

- nodemon is a replacement wrapper for node.

- To use nodemon, replace the word node on the command line when executing your script.

Nodemon Fearures

- Automatic restarting of application.

- Detects default file extension to monitor.

- Default support for node but easy to run any executable, such as python, ruby, make, etc.

- Ignoring specific files or directories.

- Watch specific directories.

Install

Install new package in the current module

```
npm install -D nodemon
```

This will add nodemon as a developer dependency

package.json

```
"devDependencies": {

  ...
  "nodemon": "^2.0.15",

  ...
}
```

Manually add a script "dev" which will launch our application.

```
"scripts": {

  ...
  "dev": "./node_modules/.bin/nodemon  src/server.js",

  ...
},
```

To start the app

```
npm run dev
```

Use

Start the app

```
npm run dev
```

Nodemon runs node

```
> playtime@0.7.0 dev
> ./node_modules/.bin/nodemon  src/server.js

[nodemon] 2.0.15
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node src/server.js`
Server running on http://localhost:3000
database connected to playtime on localhost
```

Nodemon also monitors file systems for any updates, reloading modules if they have been updated

```
[nodemon] restarting due to changes...
[nodemon] starting `node src/server.js`
Server running on http://localhost:3000
database connected to playtime on localhost
```

On Windows

Install new package in globally

```
npm install -g nodemon
```

Launch script runs global node command

```
scripts": {
    ...
    "dev": "nodemon  src/server.js",
    ...
  },
```

npx

- npx lets you run code built with Node.js and published through the npm registry.

- If command not already installed -

  - Npx will search node_modules for the command and execute from there

  - If not found, will install globally and then run

```
"scripts": {
  ...
  "dev": "npx nodemon  src/server.js",
  ...
},
```