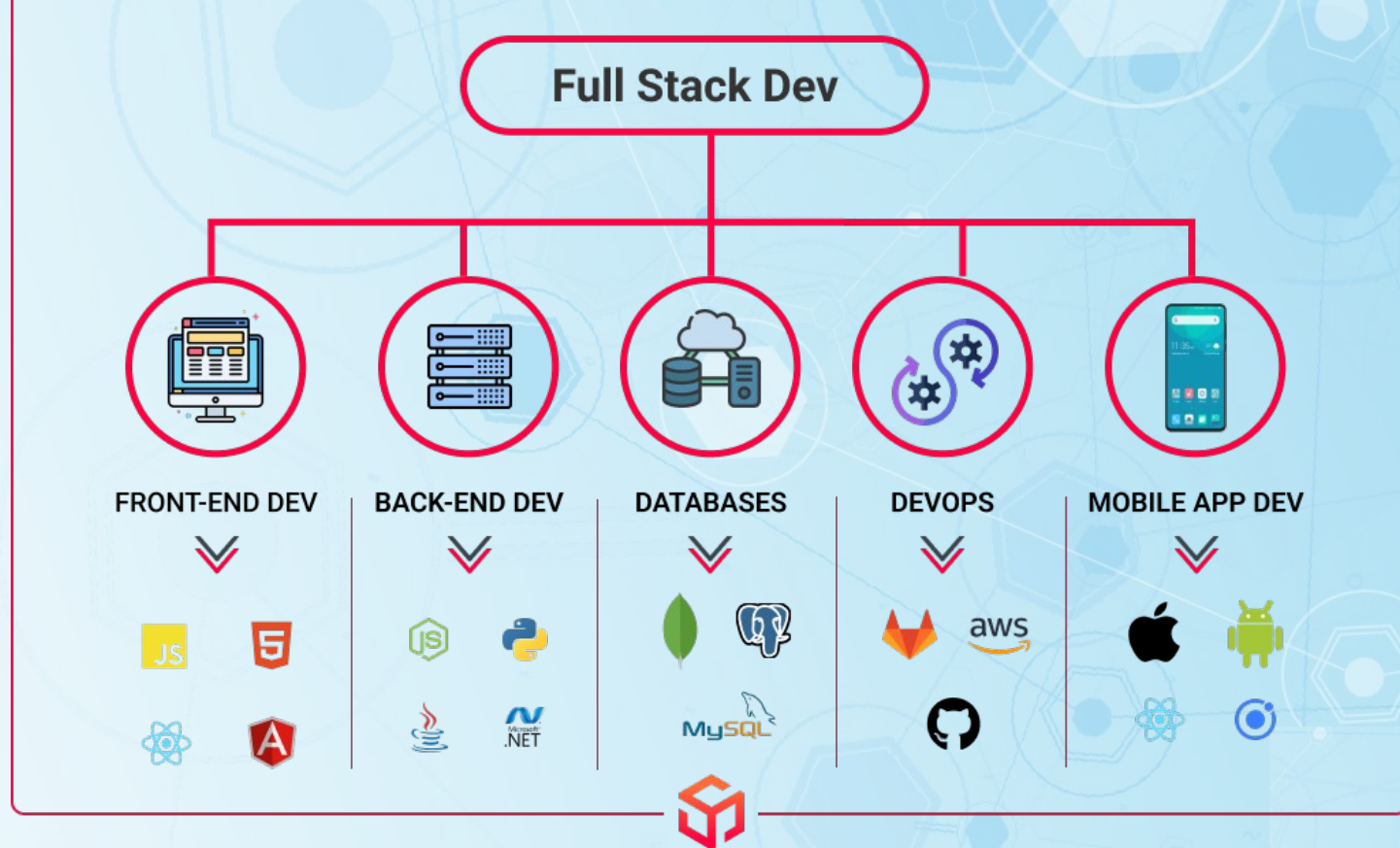# MC4266 – Full Stack Web Development

Ex : 7

Ex:7 Create a Counter App using React JS

Ex:7 Create a Counter App uisng React JS

1. Create a React App - Directory

npx create-react-app ex7-app   *// no Capital letters on name*
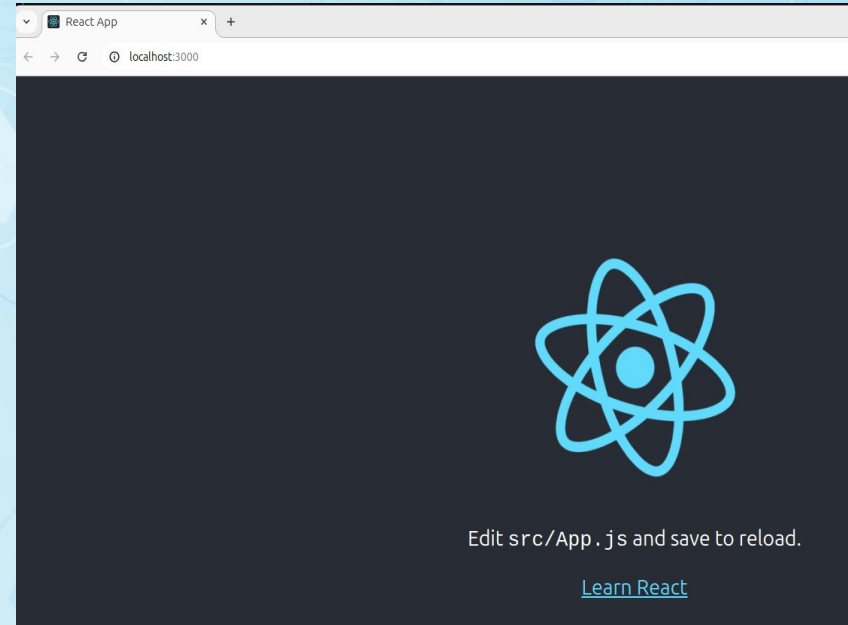
cd ex7-app

2. Create the Counter Component

counter.js

3. Add Counter Component to App

src/App.js

4. Start the React JS

npm start

3

Ex : 8

Ex:8 Create a To-Do App using React JS

Ex:8 Create a to-do App uisng React JS

1. Create a React App - Directory

npx create-react-app ex_8-app   // no Capital letters on name

cd ex8-app

2. Create the Backend Using Node.js and Express

mkdir backend   *8 vulnerabilities (2 moderate, 6 high)*

cd backend

3.Install Depencies   *To address all issues (including breaking changes), run:*
                                        npm audit fix --force

npm init -y

npm install express cors body-parser fs   *Run `npm audit` for details.*

Ex:8 Create a to-do App uisng React JS

4. Create Server File (ex8_server.js)
Create a ex8_server.js file in the backend folder:
5. Start the Backend Server
Navigate to the backend folder and start the server:

maniraj@Titan:~/Documents/FSWD_Lab/Solutions/ex8-app/backend$ node ex8_server.js

Ex:8 Create a to-do App using React JS

Create a Todo Component in React
6. Create a file TodoApp.js in the src folder:
7. Update App.js to include the ToDo Component
   Replace the content in src/App.js with

```
import TodoApp from './TodoApp';
function App() {
 return (
  <div>
   <TodoApp />
  </div>
 );
}

export default App;
```

Ex:8 Create a to-do App uisng React JS

```
ex8-app/
├──── backend/
│     ├──── data/
│     ├──── ex8_server.js
├──── src/
│     ├──── App.js
│     ├──── TodoApp.js
├──── package.json
├──── public/
├──── node_modules/
```

Ex:8 Create a to-do App using React JS

7. Update App.js to include the ToDo Component
maniraj@Titan:~/Documents/FSWD_Lab/Solutions/ex8-app/backend$ node ex8_server.js
Server running on http://localhost:5000

Error: error:0308010C:digital envelope routines::unsupported at new Hash
(node:internal/crypto/hash:69:19) at Object.createHash (node:crypto:133:10) at module.exports
(/home/maniraj/Documents/FSWD_Lab/Solutions/ex8-app/node_modules/webpack/lib/util/
createHash.js:90:53) at NormalModule._initBuildHash

8. If Above error then

Add to package.json (Permanent Fix)

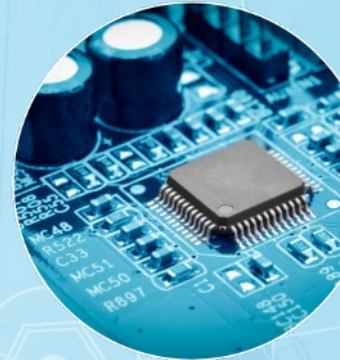You can add the NODE_OPTIONS directly in the scripts section of your

package.json file:

9

Ex:8 Create a to-do App using React JS

9. start npm
maniraj@Titan:~/Documents/FSWD_Lab/Solutions/ex8-app/backend$ npm start

Any Queries?

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