



Setting Up a Node.js Project

Assignment 3(B)

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| Author: | Syed Muhammad Fraz |
| Student ID: | 2021-CD-CS-3 |
| Course: | EAD |
| Instructor: | Mr. Atif |
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1 Introduction

Node.js is a powerful runtime environment for executing JavaScript code outside of a browser. Setting up a Node.js project involves several steps to ensure proper management of dependencies, scripts, and project structure.

2 Installation

Before setting up a Node.js project, ensure Node.js is installed on your system. You can download and install Node.js from the official website: <https://nodejs.org>.

```
node --version  
npm --version
```

3 Initializing a Node.js Project

```
npm init
```

Follow the prompts to provide details about your project, such as name, version, description, entry point, etc. This will generate a `package.json` file in your project directory.

4 Adding Start Script

Open the `package.json` file in a text editor. Add a `"start"` script with the command you want to execute to start your application.

```
"scripts": {  
  "start": "node index.js"  
}
```

5 Installing Dependencies

Use npm to install dependencies required for your project.

```
npm install <package-name>
```

6 Running Scripts

To run the start script, use the following command:

```
npm start
```

7 Conclusion

Setting up a Node.js project involves initializing a `package.json` file, adding start scripts, installing dependencies, and running scripts as needed. Proper setup ensures a smooth development workflow and effective management of your Node.js application.

8 Additional Resources

- Node.js Documentation: <https://nodejs.org/en/docs/>
- npm Documentation: <https://docs.npmjs.com/>
- Getting Started with Node.js: https://developer.mozilla.org/en-US/docs/Learn/Server-side/Express_Nodejs/Introduction
- Node.js Best Practices: <https://github.com/goldbergonyi/nodebestpractices>