**Backend Folder Structure**

project-root/

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├── config/

│ └── dbConfig.js # Database configuration (Sequelize)

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├── controllers/

│ └── studentController.js # Logic for handling CRUD operations

│

├── models/

│ └── studentModel.js # Sequelize model for Student

│

├── routes/

│ └── studentRoutes.js # API routes for Student

│

├── node\_modules/ # Node.js modules (auto-generated by npm)

│

├── package.json # Project dependencies and scripts

├── package-lock.json # Exact versions of dependencies (auto-generated)

│

└── server.js # Main server file

**Explanation of Each Folder/File**

1. **config/**:
   * **dbConfig.js**: Contains the Sequelize configuration for connecting to the MySQL database.
2. **controllers/**:
   * **studentController.js**: Handles the logic for creating, reading, updating, and deleting students.
3. **models/**:
   * **studentModel.js**: Defines the Student model using Sequelize, mapping the model to the student table in the MySQL database.
4. **routes/**:
   * **studentRoutes.js**: Defines the API endpoints for the Student resource.
5. **node\_modules/**:
   * This folder contains all the Node.js dependencies required for your project. It’s automatically generated when you run npm install.
6. **package.json**:
   * This file lists the project dependencies, scripts, and other metadata about your Node.js project.
7. **package-lock.json**:
   * This file locks the versions of dependencies installed, ensuring that the same versions are used when the project is installed on different machines.
8. **server.js**:
   * The entry point for your Node.js application. It sets up the Express server, connects to the database, and listens for incoming API requests.

**Next Steps**

1. **Navigate to Your Backend Directory**: Use the terminal to navigate to the root of your backend directory.
2. **Install Dependencies**: Run npm install to install all the dependencies listed in package.json.
3. **Run Your Server**: Start your server with node server.js. Make sure XAMPP is running with MySQL active.