

Backend Project

Overview

This repository contains the backend code for a project built using Node.js and Express.js. The backend handles API endpoints, business logic, and database interactions.

Features

- Modular structure for scalability
- API routes for seamless communication
- Database integration using models
- Dependency management using npm

Project Structure

```
backend/  
  models/           # Database schema definitions  
  node_modules/     # Installed dependencies  
  package.json      # Project metadata and dependencies  
  package-lock.json # Dependency tree lock file  
  routes/           # API route handlers  
  server.js         # Main application entry point
```

Prerequisites

- Node.js (version 16.x or higher recommended)
- npm (comes with Node.js)
- A compatible database (e.g., MongoDB)

Installation

1. Clone the repository:

```
git clone <repository-url>  
cd backend
```

2. Install dependencies:

```
npm install
```

3. Configure environment variables: Create a `.env` file in the root directory and add the required configurations (e.g., database connection string, API keys).

Usage

1. Start the server:

```
npm start
```

2. Access the API at:

```
http://localhost:3000
```

Scripts

- `npm start`: Starts the server
- `npm run dev`: Starts the server in development mode (if configured with nodemon)

Dependencies

Dependencies are listed in `package.json`. To add new dependencies, use:

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

Contributing

Feel free to fork this repository, create a new branch, and submit a pull request with your changes.

License

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Note: Ensure the `.env` file is not committed to version control by adding it to `.gitignore`. Also, replace `<repository-url>` with the actual URL of your GitHub repository.