

ChatAppServerAssignment

```
Action
1. Initialize data
2. getRoomById
3. getAllRoom
4. getChatById
5. getAllChatInRoom

Select the action: 1
Initialize data with file path: home/title/ChatAppRawDataJSON.json
Initialized
```

```
Action
1. Initialize data
2. getRoomById
3. getAllRoom
4. getChatById
5. getAllChatInRoom

Select the action: 2
getRoomById: 1
{ id: 1, name: 'Party Room' }
```

```
Action
1. Initialize data
2. getRoomById
3. getAllRoom
4. getChatById
5. getAllChatInRoom

Select the action: 2
getRoomById: 1200
No room with id: 1200
```

Requirement Feature

Create a data management system with a console application.

1. Can load the data in a JSON file format.
2. Able to get by these function
 - a. getRoomById
Show match room by given room id. Show the notice message when the room is not found.
 - b. getAllRoom
Show all rooms in the application.
 - c. getChatById
Show match chat by given chat id. Show the notice message when the chat is not found.
 - d. getAllChatInRoom
Show all chats in the room by given room id.

Score Criteria

1. Code works correctly according to the requirements.
2. Data management.

Bonus

1. Change from console application to HTTP server.
2. Store data with the database server.

Outputs

You have 2 options to submit the code

1. Zip the project, upload and send back by email.
2. Upload into public source control and send the link of the project.

Resource

1. ExpressJS: <https://expressjs.com/>
2. NestJS: <https://nestjs.com/>
3. PostgreSQL: <https://www.postgresql.org/>
4. TypeORM: <https://typeorm.io/>

Note: You can do this with any language.