

Endpoints:

- POST /users: To create a user
- POST /tasks: To create a task
- POST /subtasks: To create a subtask
- POST /tasks/{taskId}/users/{userId}: To associate a user with a task
- GET /users/{userId}: To display the user and associated tasks

Create a User

```
curl -X POST http://localhost:8080/users -H "Content-Type: application/json" -d '{"username": "john_doe", "email": "john@example.com"}'
```

Create a Task

```
curl -X POST http://localhost:8080/tasks -H "Content-Type: application/json" -d '{"title": "Sample Task", "description": "A task description", "status": "pending", "dueDate": "2024-12-31"}'
```

Create a Subtask Associated with the Task

After creating the task, you will receive a response with the task's id. Use that id in this next command:

```
curl -X POST http://localhost:8080/subtasks -H "Content-Type: application/json" -d '{"title": "Subtask 1", "status": "IN_PROGRESS", "taskId": 1}'
```

Associate the Task with the User

Now, associate the task with the user. Replace USER_ID with the user's ID and TASK_ID with the task's ID from earlier

```
curl -X POST http://localhost:8080/tasks/1/users/1
```

Display the User, Associated Task, and Subtask

Finally, you can display the user and associated tasks (including subtasks) with the following command. Replace USER_ID with the actual user ID.

```
curl -X GET http://localhost:8080/users/1
```