API Coding Challenge - Task Management

API testing using POSTMAN:

Output:

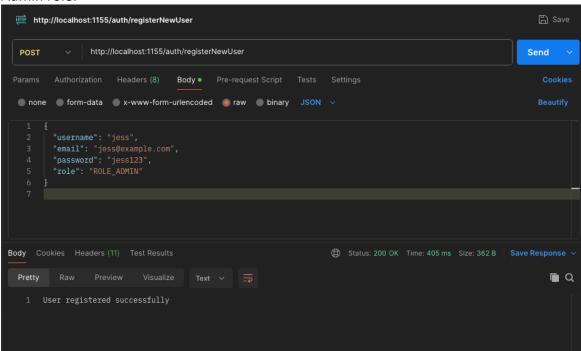
USER

1. Register User:

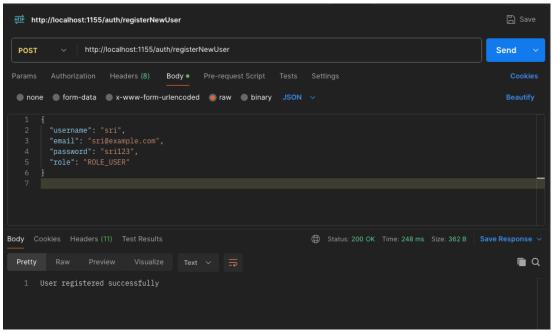
POST

http://localhost:1155/auth/registerNewUser

Admin role:



User role:

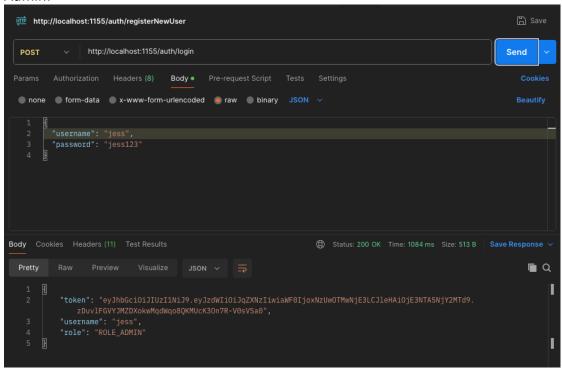


2. Login to Get JWT Token

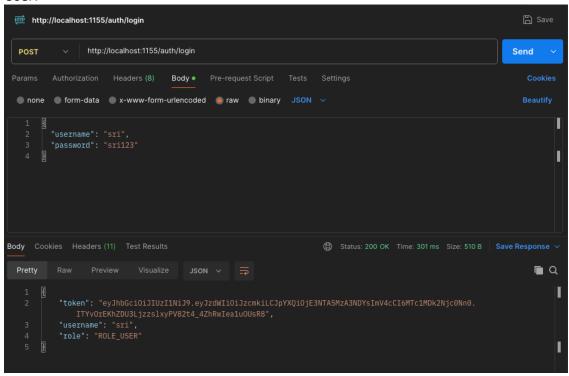
POST

http://localhost:1155/auth/login

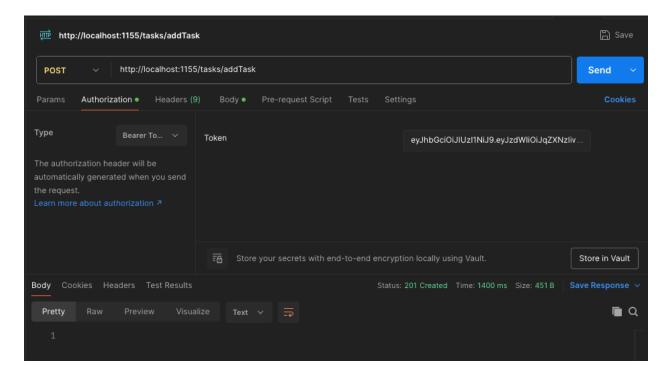
Admin:



User:



Add Authorization Header – Token:
(for testing user and admin roles access)



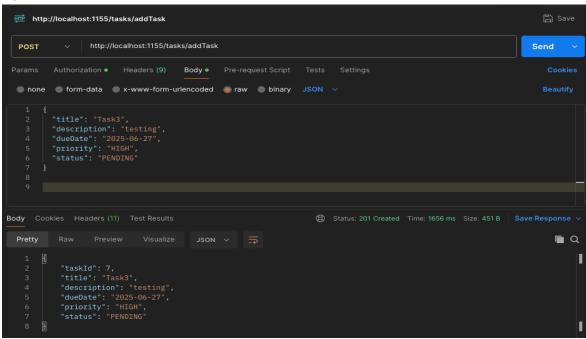
TASKS

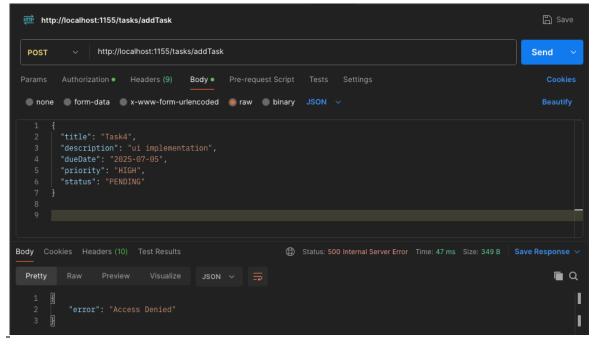
4. Add a new task (Admin only access):

POST

http://localhost:1155/tasks/addTask

Admin:



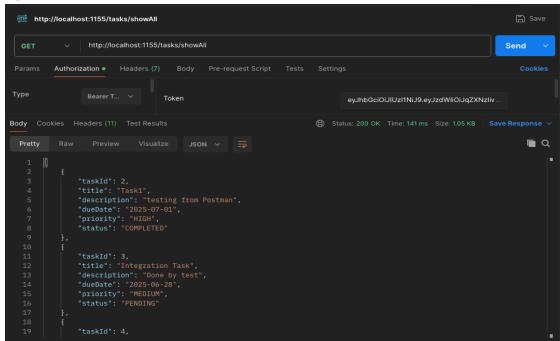


5. Retrieve all Tasks (Admin or User access):

POST

http://localhost:1155/tasks/showAll

Admin:

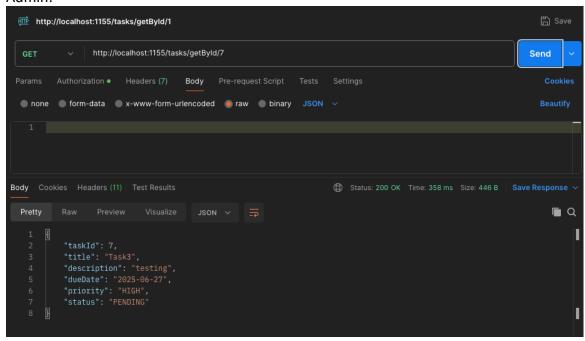


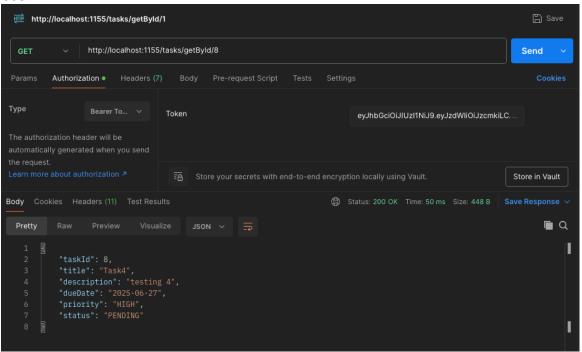
6. Retrieve a single task by its ID (Admin or User acess):

GET

http://localhost:1155/tasks/getById/7

Admin:



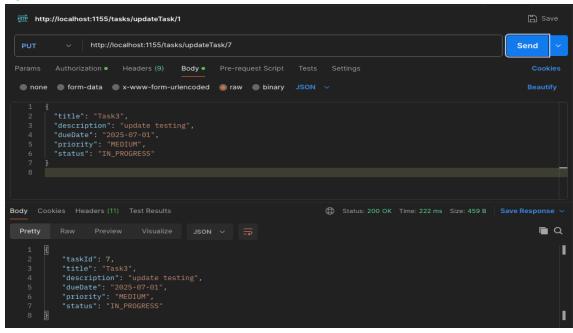


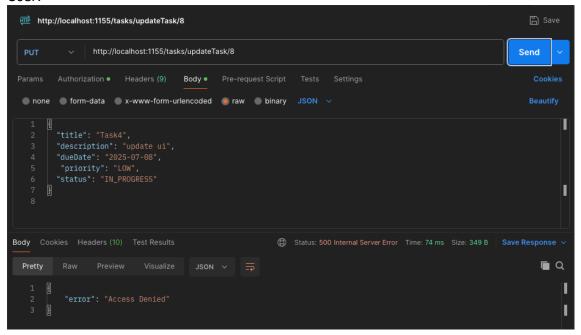
7. Update an existing task (Admin only access):

PUT

http://localhost:1155/tasks/updateTask/7

Admin:



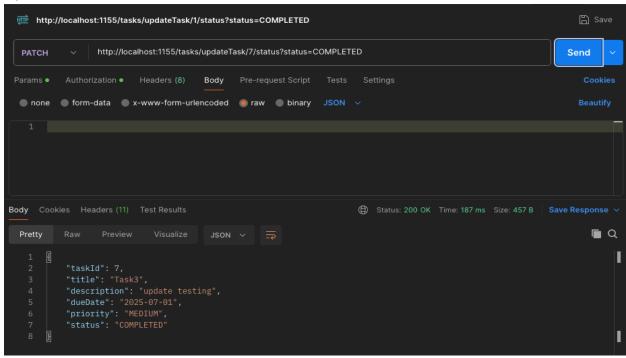


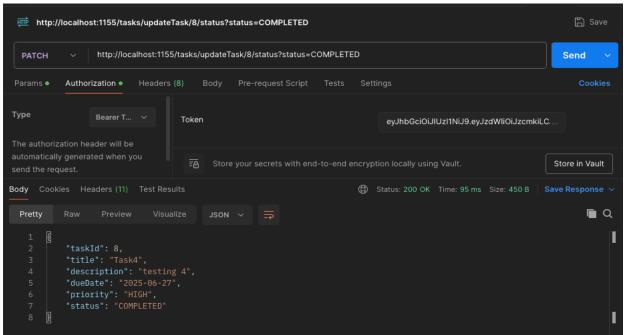
8. Update an existing Task Status (User or Admin access):

PATCH

http://localhost:1155/tasks/updateTask/7/status?status=COMPLETED

Admin:





9. Delete a task by its ID (Admin only access):

DELETE

http://localhost:1155/tasks/deleteTask/7

Admin:

