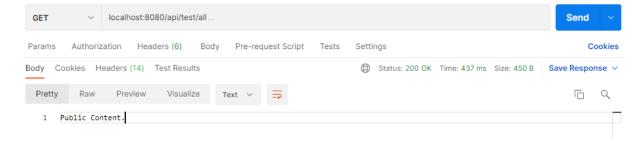
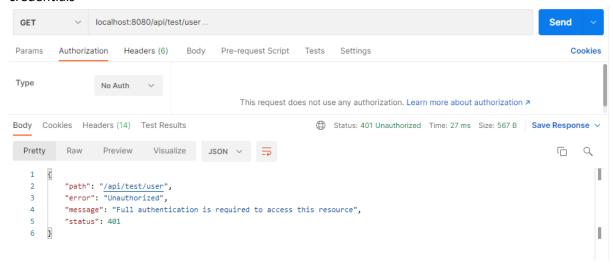
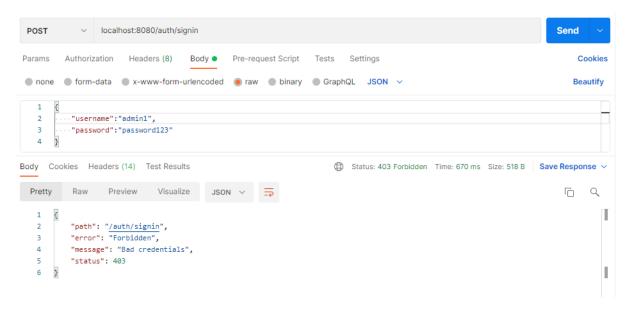
GET localhost:8080/api/test/all - Test if exposed API is working without any credentials



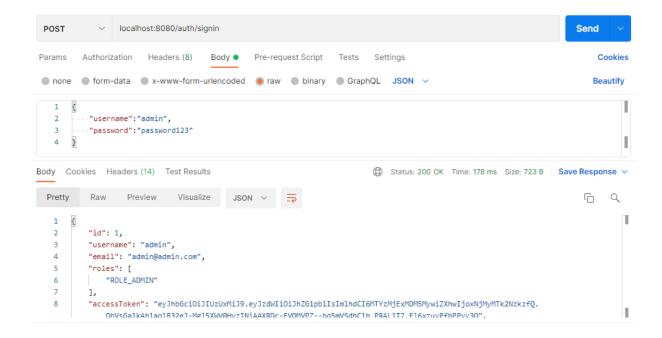
GET localhost:8080/api/test/user – Test API with credentials required is accessible without credentials



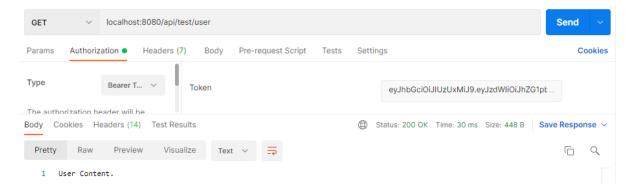
POST localhost:8080/auth/signin – unregistered sign in, status code 403



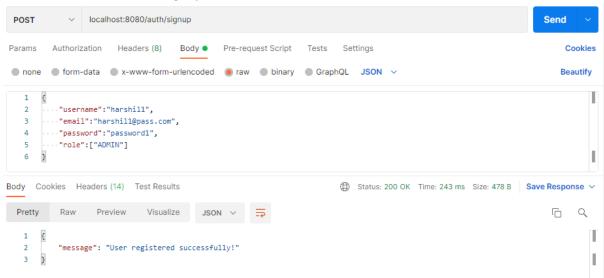
POST localhost:8080/auth/signin - success sign in status code 200



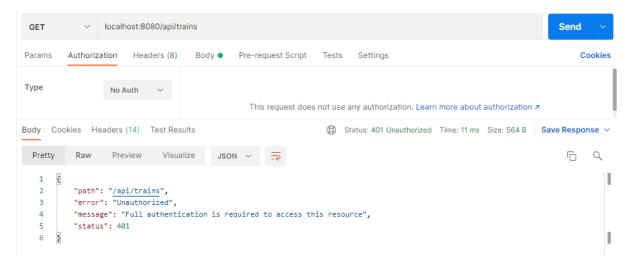
GET localhost:8080/api/test/user - After using Bearer token generated while sign in



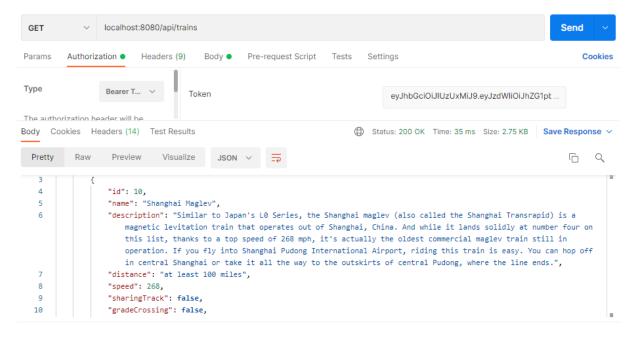
POST localhost:8080/auth/signup



GET localhost:8080/api/trains - GET trains without bearer token (without authorization)

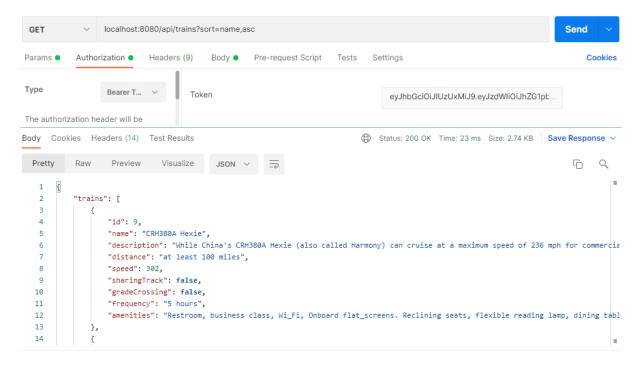


GET localhost:8080/api/trains – GET trains with bearer token (with authorization)

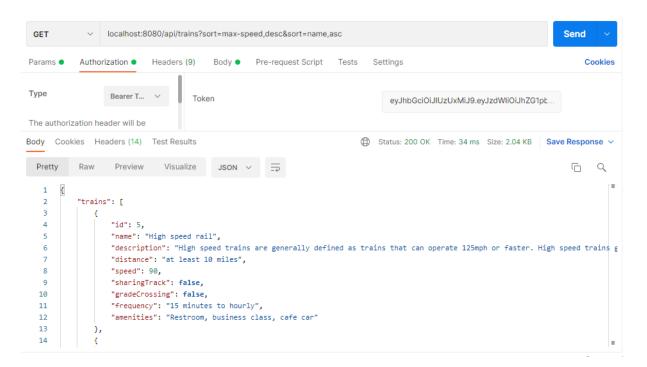


Without any parameters (Return Code 200 with additional fields)

Default parameters - sort by id, descending & pagination page=0, size=3 sort=name,asc – pagination will be default



sort=max-speed,desc&sort=name,asc - multiple sorting default pagination

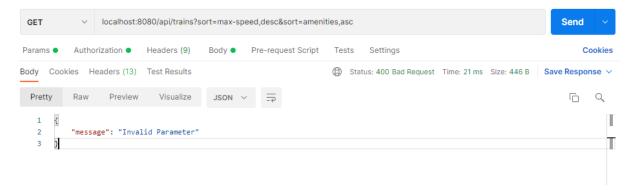


page=1&size=5&sort=max-speed,desc&sort=name,asc - sort and custom pagination

```
GET
                localhost:8080/api/trains?page=1&size=5&sort=max-speed,desc&sort=name,asc
                                                                                                                     Send
           Authorization • Headers (9)
                                        Body • Pre-request Script Tests Settings
Body Cookies Headers (14) Test Results
                                                                         Pretty
                 Preview
                             Visualize
                                         JSON V
                                                                                                                      □ Q
   1
   2
           "trains": [
   3
   4
                  "id": 7,
                  "name": "LO Series Maglev",
                  "description": "This Japanese train, which is currently being developed and tested by the Central Japan Railway Company
                  "distance": "at least 100 miles",
   8
                  "speed": 374,
                  "sharingTrack": false,
   9
  10
                  "gradeCrossing": false,
  11
                  "frequency": "6 hours",
  12
                  "amenities": "Restroom, business class, cafe car, Wi_Fi, Onboard flat_screens. Reclining seats, flexible reading lamp."
  13
                  "id": 8,
                  "name": "TGV POS",
  16
  17
                  "description": "France has had high_speed rail travel dialed in for many years. And in 2007, the TGV POS set the world s
                  "distance": "at least 150 miles",
  18
                  "speed": 357.
  19
```

Return Code 400 with Invalid parameter message(While trying to sort using fields other than id, name, max-speed

When sort with parameter not supported for example: "amenities"



Click on run button in IntelIJ besides DemoApplication class to run the project for the first time

```
@SpringBootApplication
public class DemoApplication {

public static void main(String[] args) { SpringApplication.run(DemoApplication.class, args); }

@Bean
CommandLineRunner init(AuthController authController) {
    return args -> {
        Set<String> roles = new HashSet<>();
        roles.add("ADMIN");
        User user = new User( username: "admin", email: "admin@admin.com", password: "password123");
        authController.registerUser(new SignupRequest(user.getUsername(), user.getEmail(), roles, user.getPass
```