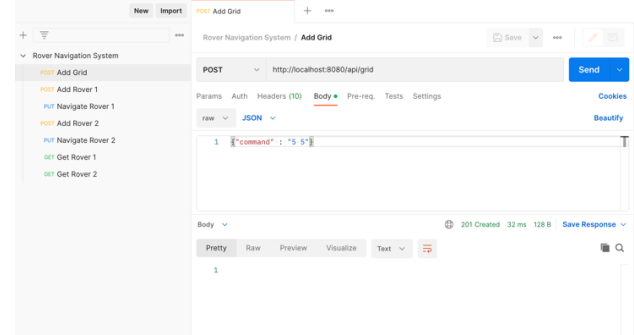


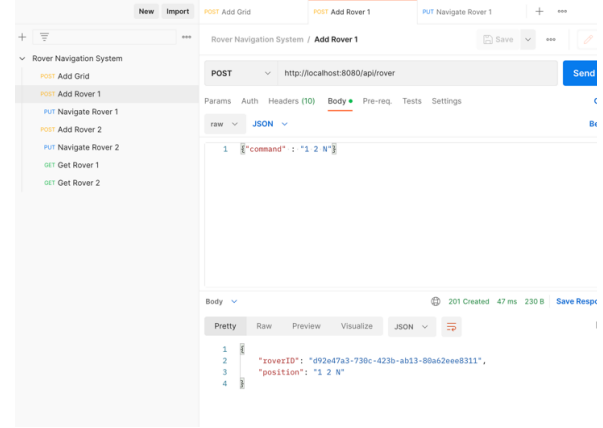
Test Evidence

REST API (Postman)

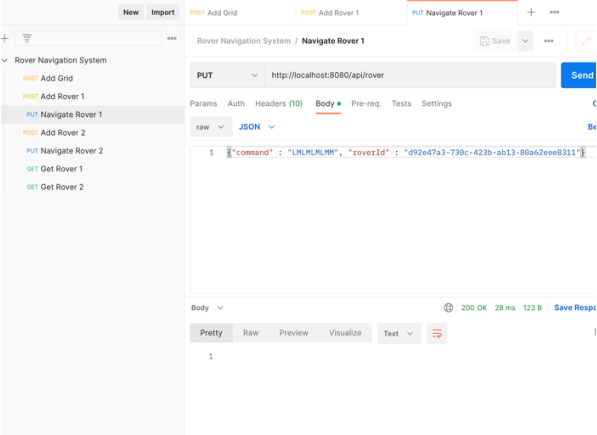
Add Grid



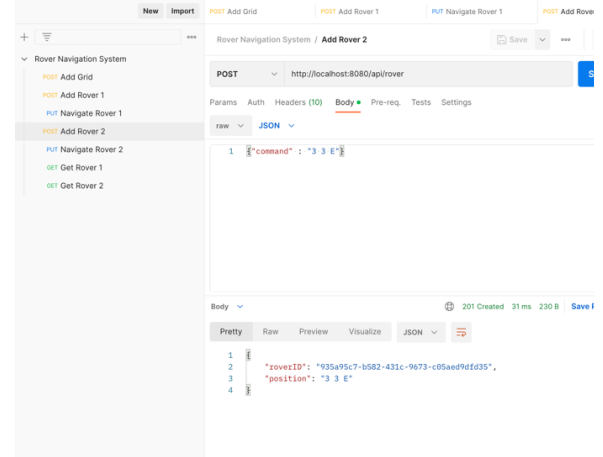
Add Rover 1



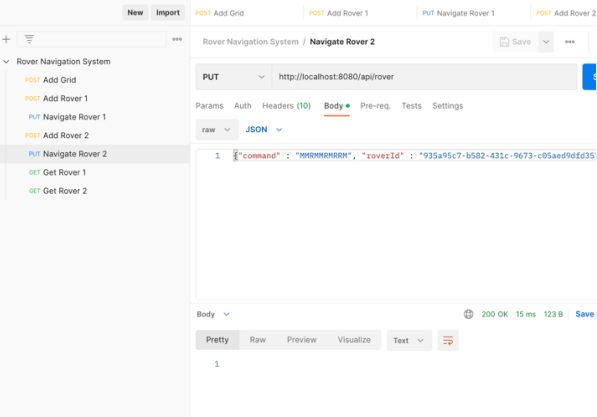
Navigate Rover 1



Add Rover 2



Navigate Rover 2



Get Rover 1 Position

GET http://localhost:8080/api/rover/d92e47a3-730c-423b-ab13-80a62ee68311

Params Auth Headers (8) Body Pre-req Tests Settings

raw JSON

```
1 {
2   "roverID": "d92e47a3-730c-423b-ab13-80a62ee68311",
3   "position": "1 3 N"
4 }
```

Body Pretty Raw Preview Visualize JSON 200 OK 37 ms 21

Get Rover 2 Position

GET http://localhost:8080/api/rover/935a95c7-b582-431c-9673-c05aed9dfd35

Params Auth Headers (8) Body Pre-req Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Pretty Raw Preview Visualize JSON 200 OK 17 ms 2

Test Cases

MarsRoverTechnicalChallenge src | main | java | com | cognizant | rover | navigation | model

Project

- service
- util
- Main
- test
 - com.cognizant.rover.navigation
 - api
 - RoverNavigationApiTest
 - control
 - MovementControllerTest
 - RotationControllerTest

Run: Main x RoverNavigationApiTest

Tests passed: 8 of 8 tests - 880 ms

- ✓ testRoverNavigation_invalidPositioning() 722 ms
- ✓ testRoverNavigation_invalidCommandRoverAdd() 15 ms
- ✓ testRoverNavigation_navigateWithInvalidRoverID() 10 ms
- ✓ testRoverNavigation_invalidCommandRoverNavigate() 11 ms
- ✓ testRoverNavigation() 62 ms
- ✓ testRoverNavigation_invalidMovement() 21 ms
- ✓ testRoverNavigation_invalidCommandGrid() 12 ms
- ✓ testRoverNavigation_getWithinInvalidRoverID() 7 ms

2023-03-17T18:30:36.285+11:00 INFO 21890 --- [main] c.c.r.n.api.RoverNavigationApiTest : Starting RoverNavigationApiTest using Java 19.0.2 with PID 21890 (started by 2266182 in /Users/2266182/IdeaProjects/MarsRoverTechnicalChallenge)

2023-03-17T18:30:36.288+11:00 INFO 21890 --- [main] c.c.r.n.api.RoverNavigationApiTest : No active profile set, falling back to 1 default profile: "default"

2023-03-17T18:30:37.693+11:00 INFO 21890 --- [main] trationDelegate\$BeanPostProcessorChecker : Bean 'org.springframework.ws.config.annotation.DelegatingWsConfiguration' of type [org.springframework.ws.config.annotation.DelegatingWsConfiguration\$\$SpringCGLIB\$\$0] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying)

2023-03-17T18:30:37.724+11:00 INFO 21890 --- [main] .w.s.a.s.AnnotationActionEndpointMapping : Supporting [WS-Addressing August 2004, WS-Addressing 1.0]

2023-03-17T18:30:38.636+11:00 INFO 21890 --- [main] o.s.b.t.m.w.SpringBootMockServletContext : Initializing Spring TestDispatcherServlet ''

2023-03-17T18:30:38.637+11:00 INFO 21890 --- [main] o.s.t.web.servlet.TestDispatcherServlet : Initializing Servlet ''

2023-03-17T18:30:38.642+11:00 INFO 21890 --- [main] o.s.t.web.servlet.TestDispatcherServlet : Completed initialization in 1 ms

2023-03-17T18:30:38.691+11:00 INFO 21890 --- [main] c.c.r.n.api.RoverNavigationApiTest : Started RoverNavigationApiTest in 2.755 seconds (process running for 4.302)

MockHttpServletRequest: