I used Java8, Spring and Postman for this assignment.
I implemented all the algorithm in the assignment description.

How to run service:

      1.download the repository from the github link below.

           https://github.com/SophiaaW/UnityAssignment

      2. Import the project into the spring(Maven)

      3. Find the class named Application.java

      4. Run the Application.java class

How to run test:

1. you have to run the service before you run the test on Postman.
2. You can find a file named ProjectsTests.postman_collection in the repository .
3. Import the json file into the postman and run the tests

The test result are below: