

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:

The screenshot displays the Postman interface with the 'Runs' tab selected. The 'CURRENT RUN' section on the left shows the 'ProjectsTests' collection selected. Below this, the 'Environment' is set to 'No environment', 'Iteration' is 1, 'Delay' is 0, and 'Data File' is 'Choose Files'. A 'Start Test' button is visible at the bottom of this section. The 'RESULTS' section on the right shows a summary of 25 passed and 0 failed tests, with a total time of 570 ms. Below the summary, three individual test results are shown, all with a status of '200 OK' and a time of 267 ms, 29 ms, and 25 ms respectively. Each test result includes a 'PASS' status and a message 'Status code is 200' and 'Body matches string'.

Test Name	Status	Time
createProject-happyPath-project1-co...	200 OK	267 ms
createProject-happyPath-project2-co...	200 OK	29 ms
createProject-happyPath-project3-co...	200 OK	25 ms
createProject-happyPath-project4-co...	200 OK	