Sprint Retrospective - Iteration #1

Group 58 Week 1

Main Points Discussed

1) This week we discussed about the project requirements
    a) Overall architecture
    b) Functionalities of the application
    c) Type of users
    d) Key aspects of the platform
    e) Non functional requirements: programming language and framework to be used

2) We created a document with some questions for the TA concerning the requirements
    a) What are the must haves functionalities?
    b) What would be the less important features of the application?
    c) How should we organize the structure of the project

3) We thought about how we will split the application into multiple microservices
    a) Ways that the application could be divided into loosely coupled functionalities/services so that team members can work in parallel without depending on each other

4) We came up with the following microservices:

a) Authentication
    i) This service will take care of users logging in and getting a JWT. This token will then be used (after a service sends a request to the authentication service) to authorize users.
b) Rooms
    i) This service is related to rooms. This is where the database for storing the information for rooms (id, name, capacity) will be.
c) Room-scheduler
    i) This service will take care of room scheduling. The two main functionalities will include: scheduleLecture and cancelLecture (both requests will come from the Courses service).
d) Courses
    i) This service is related to Courses and Lecture information. A teacher is responsible for a course and they can send a request to the Room-scheduler service to schedule a particular lecture.
e) Student
    i) This service is related to student enrollments and takes care of assigning students to the already scheduled lectures (with the given constraints).

5) We created a document based on the different services we came up with which lists for every service all endpoints that we thought were required. This document shows the expected input from the request and what output is expected.