Technology Assignment
Special Event Registration System

Overview

The scope of this **individual assignment** is to **assess the technological skills** you acquired throughout the course focusing on key technologies like PostgreSQL, Hibernate, Java Spring, Vue.js, and GitHub. Your task is to extend the Event Registration System covered during the tutorials with additional features. You are provided with the baseline implementation of this system that allows (i) adding new persons, (ii) adding new events with specified date, start time, and end time, and (iii) registering an existing person to an existing event. In order to develop the required features, you will be doing test-driven development where test cases are provided as part of the initial contents of your (individual) GitHub repository.

Part of this **technology assignment will be graded automatically by a test suite** in a preconfigured test environment containing **end-to-end tests** as well as **component tests for the backend** that check expected functionality, validation of user input, and error handling. The source code for **the majority of test cases is provided for you** so that you can run them while developing your required features. However, **there are also some hidden test cases** that will be executed as part of the grading process, but their source code is not published. These test cases may check for extra corner cases related to the required features which should be incorporated by a high-quality implementation (even if they are not explicitly provided to you).

It is essential to **follow the technological instructions made available in your individual GitHub repository**, otherwise, the tests will fail, and your marks will degrade. In addition, you are required to make regular commits to your GitHub repository since the **auto-grader will take your latest commit as a reference**. Once you start submitting code contribution to your GitHub repository, **we will run all the tests every night using your latest commit done before midnight** and you will receive feedback the next morning on how well your current version is scoring (see below).

Although we ask you not to add continuous integration to the project (this way preserving CI throughput for the auto-grader), manual **deployment of the backend and frontend to Heroku is expected**. In addition, you will need to track and **document your progress on a GitHub Project Board** by creating milestones and issues for your tasks. Although you must complete the individual assignment alone, we will assess your familiarity with agile project management. Further documentation (Wiki) is not required.

Submission

The assignment will be carried out individually. You are not required to submit your source code to myCourses, but you need to submit your latest commit link. **The latest commit on the master branch of your assignment repository** made before **Tuesday, April 14, 2020, 11:59pm** will be automatically used for determining your final score.

While some test cases are hidden from you, **your preliminary score will be published on a nightly basis** on a separate *results* branch of your assignment repository in a file called "results-MCGILLID.txt" by using the same test suite to be used for the final evaluation. As such, you can track your progress and provisional score.

Marking Scheme (35% of total score)

Backend tests (1 mark each)	35
Frontend tests (2 marks each)	38
Deployment (5 marks per application)	10
Agile tools (project board with issues and milestones)	12
Total marks	**90**