

Lab 5

Q1 : Create Spring program with request on the following endpoints :

Create a controller called studentController with the following endpoints.

Student Class: ID, name, age, degree, GPA.

- Create a new student (ID, name, age, degree, GPA)
- Display all students.
- Update a student
- Delete a student
- Based on GPA, classify students into honors categories.
- Display a group of students whose GPA is greater than the average GPA.

Q2 : Create project tracker system , Where you can get all the project , add , remove , update project.

project Class : ID , title , description , status, companyName

- Create a new project (ID,title , description , status, companyName)
- Display all project .
- Update a project
- Delete a project
- Change the project status as done or not done
- Search for a project by given title
- Display All project for one company by companyName.

Q3 : Create event system , where you can get all the event , add , remove , update event.

event Class : ID , description , capacity, startDate , endDate

- Create a new event (ID , description , capacity, startDate , endDate)
- Display all event .
- Update a event
- Delete a event
- Change capacity
- Search for a event by given id

Hint (use @JsonFormat(pattern="yyyy-MM-dd") and LocalDateTime)

