

## Lab 1.2

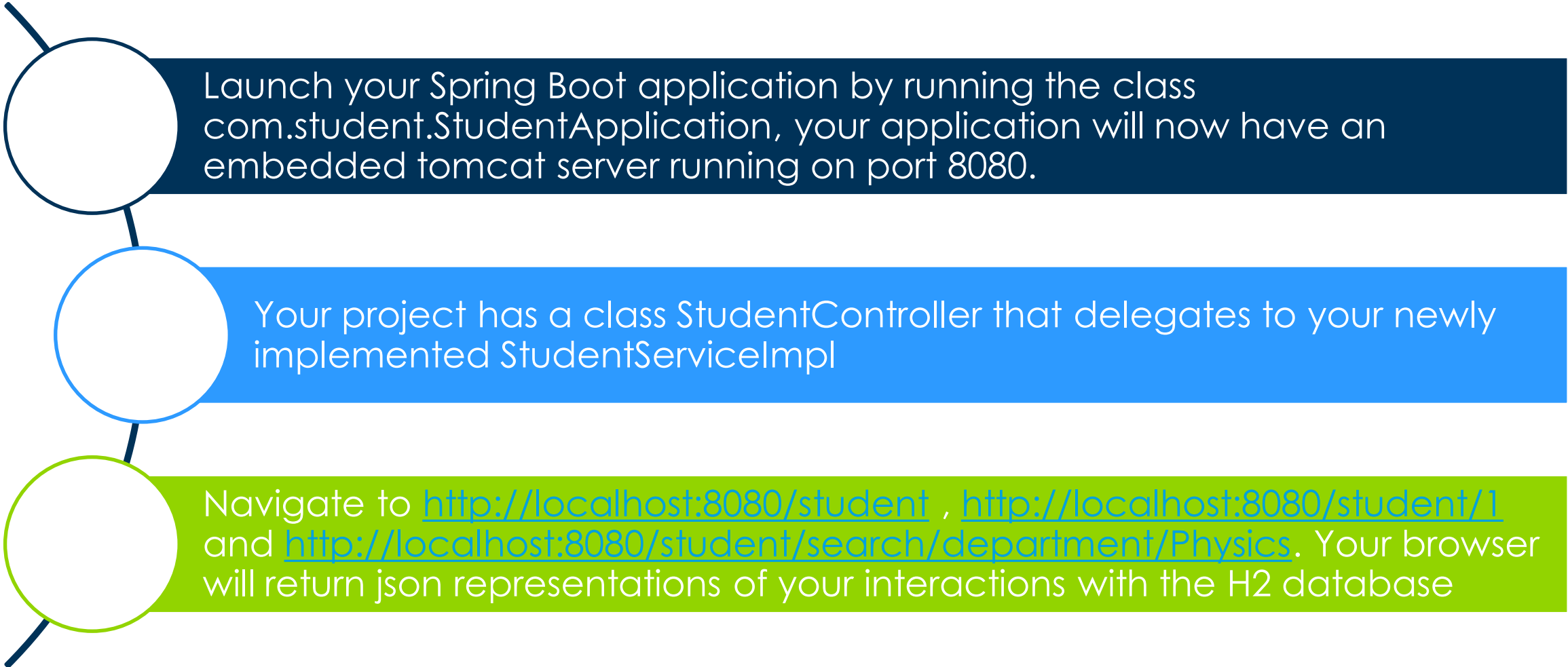
### Utilize Web Capabilities

In your application.properties file comment out #spring.main.web-application-type=none. then, in your Spring Boot Application replace the StudentController class from your lab setup directory with its StudentController

Add the following method to the interface StudentService; Collection<Student> getStudentsByDepartment(String department); and implement this method in the class StudentServiceImpl i.e.

```
TypedQuery<Student> query = entityManager.createQuery("SELECT student FROM  
Student student where student.dept = :dept", Student.class);  
query.setParameter("dept", department);  
return query.getResultList();
```

### Json Representations



Launch your Spring Boot application by running the class `com.student.StudentApplication`, your application will now have an embedded tomcat server running on port 8080.

Your project has a class `StudentController` that delegates to your newly implemented `StudentServiceImpl`

Navigate to <http://localhost:8080/student> , <http://localhost:8080/student/1> and <http://localhost:8080/student/search/departement/Physics>. Your browser will return json representations of your interactions with the H2 database