

REST API Testing Overview



Student Grade Book - REST API

- We will start with an existing Student Grade Book REST API
- Similar to the Student Grade Book app that we worked on in previous videos
- Replaced HTML interface with a REST API
- The REST API was created by a previous employee ... but it is does not have any tests (yikes!)
- Our job:
 - Add tests for the REST API



Technical Stack

- Spring Boot
- Spring Data JPA
- Spring @RestController



Existing Code (partial)

@RestController

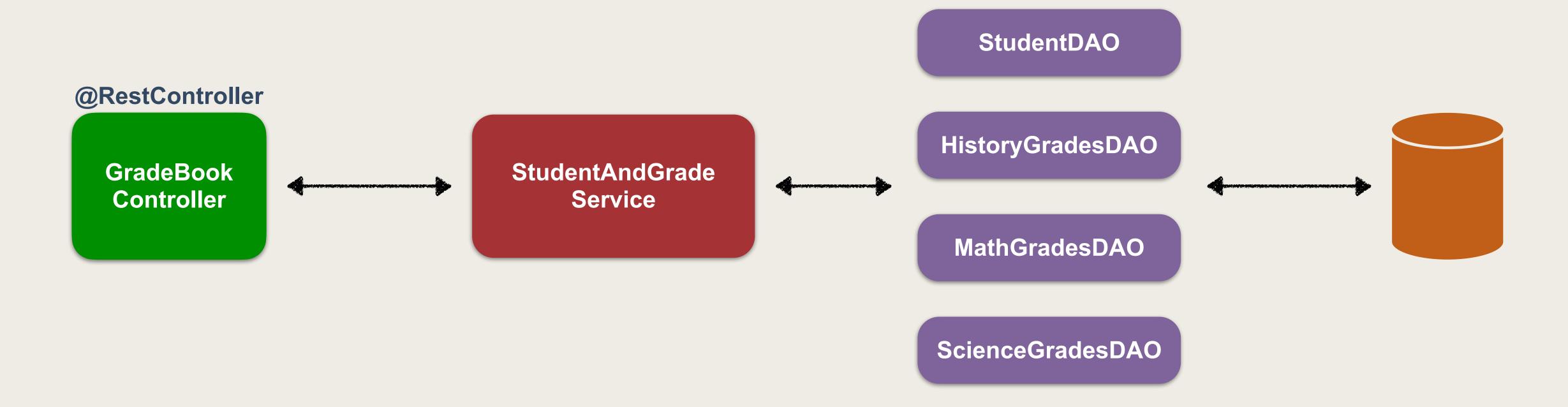
GradeBookController.java

Model

CollegeStudent.java
Grade.java
Gradebook.java
GradebookCollegeStudent.java
HistoryGrade.java
MathGrade.java
ScienceGrade.java
Student.java
StudentGrades.java



Application Architecture



Unit Tests Integration Tests

