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(Super Simple Scheduling System)

Summary:

Create a REST API to for a system that assigns students to classes. API will be used by both a UI and programmatically by other systems.

Deliverables:

Deliver the following

1. (required) java code via a GitHub repository.
2. (required) a short write-up around what technologies/frameworks you are/would use in implementing various parts/tiers of this system
3. (optional) deployable/runnable war/jar
4. (optional) API documentation

Detailed Requirements:

Models:

Student = { student id, last name, first name }

Class = { code, title, description }

Student can attend an unlimited number of classes. Classes can have an unlimited number of students

Operations:

Create/Edit/Delete Student

Create/Edit/Delete Class

Browse list of all Student

Browse list of all Classes

View all Students assigned to a Class

View all Classes assigned to a Student

Search Student/Classes by available fields/associations

Security: None

Error Handling: Does not need to be thorough. Just enough to demonstrate how you would handle various types of errors (business, system)

Persistence: Not part of the evaluation. Feel free to mock it if that's faster