

CPSC 3720

Lesson 26

Connie Taylor
Professor of Practice



School of
COMPUTING

CUSports Project Update



- Sprint 1 due Oct 21 (2 extra days)
- Example Trello Boards and API deliverable in the 3720 team locations on Trello and Postman (we will review today)
- Rubric available for Sprint 1 Assignment. Points allocated to Sprint 1 were decreased and moved to Sprints 2 and 3.
- Focus on Sprint 1 is a complete API in Postman and process steps in Trello



- How far are we building this API out? Is there anything more than defining the schema, generating collections, sending in requests, and saving them? **I will show an example**
- Because we're only doing one epic, is it ok for our schema to be short? Our epic is "Search for an Item". So, it seems that all that's happening with this API is that we're passing in a GET request, which would contain a string. **You should return the Item**
- Also, where can I see some more examples of schemas? **Next slides**
- Other than a 200 or 404 response, does our API have to be able to handle other responses? For instance, if we pass in a GET request, do we have to prepare for an item to actually come back? **You need to return an Item; 200 and 40x responses (1 each fine)**
- We have our user stories all written out, however, are we building out the API to be able to handle all the user stories? In other words, should our API be able to implement all of the use cases/user stories that are defined for this epic? **You only need to cover 1 story for now**

More on the OpenAPI Specification

- **The OpenAPI Specification** is an API description format for REST APIs. An OpenAPI file allows you to describe your entire API, including:
 - Available endpoints (/users) and operations on each endpoint (GET /users, POST /users)
 - Operation parameters Input and Output for each operation
- API specifications can be written in YAML or JSON. The format is easy to learn and readable to both humans and machines. The complete OpenAPI Specification can be found on GitHub: [OpenAPI 3.0 Specification](#)
- The basic structure is here and is all you should need for the project: <https://swagger.io/docs/specification/basic-structure/>
- The tutorial you should have done is here: <https://app.swaggerhub.com/help/tutorials/openapi-3-tutorial>

MUST READ

<https://www.smashingmagazine.com/2018/01/understanding-using-rest-api/>

COMING SOON...our next quiz will be about
RESTful APIs and API first....