Choonz Application
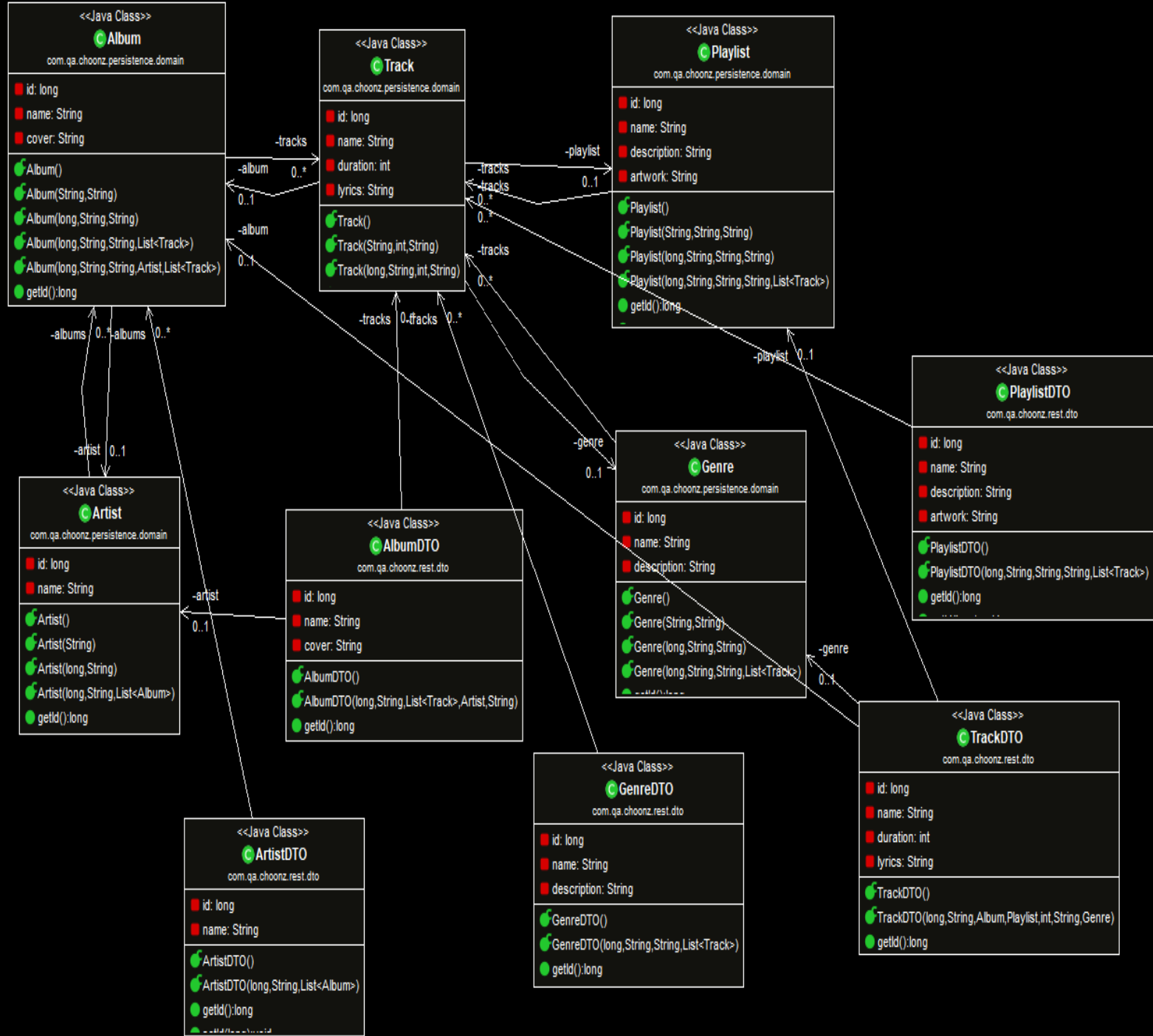
Jacob, Jason and Malik

Sprint Zero

Initial planning

- Initial documentation:
  - BOSCARD, Risk Assessment, Prioritization…
- Generate epics from requirements
- Generate user stories from requirements
- Sprint planning for sprint one
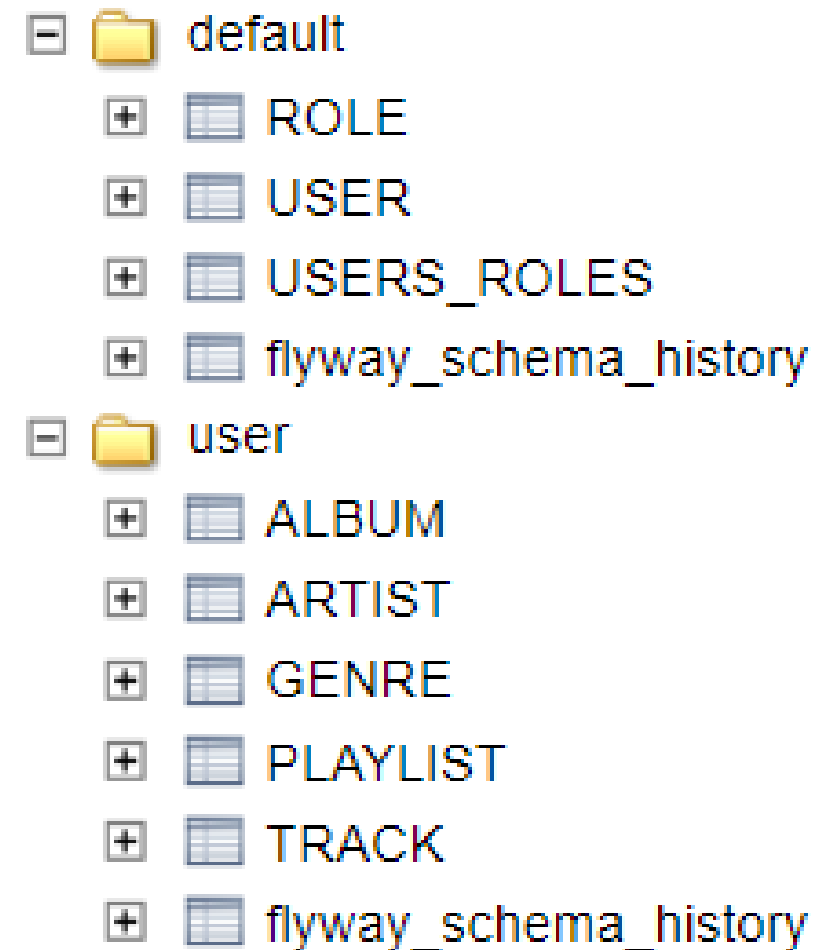
Initial UML

Sprint One

Backend refactor

- ◈ Implement authorization
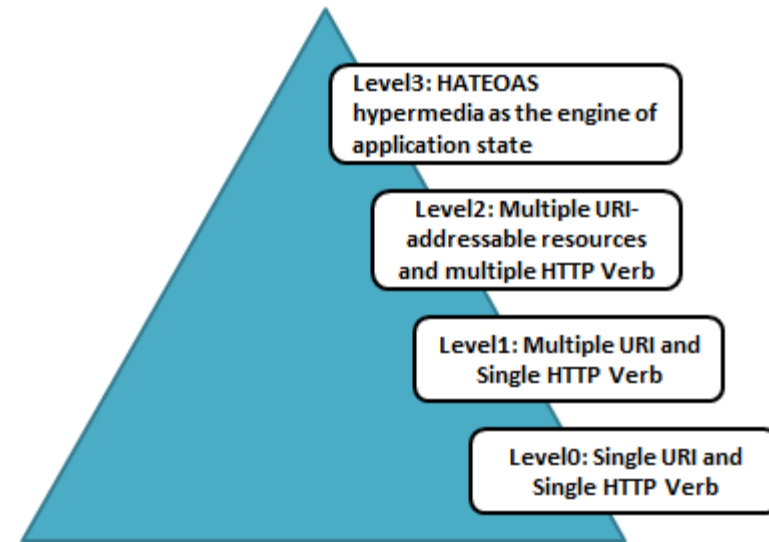- ◈ Implement HATEOAS design

Spring Security

- Hides endpoints from unauthorized users
- Handles logging and registration of users
- Handles user roles
  - User, Admin…
- Improvement:
  - Enable CSRF prevention

User-as-Schema

- ◇ Inspired by Oracle
- ◇ Hibernate manages multi-tenant connection
- ◇ Flyway manages schemas
- ◇ Advantages:
  - ◇ Segregates data
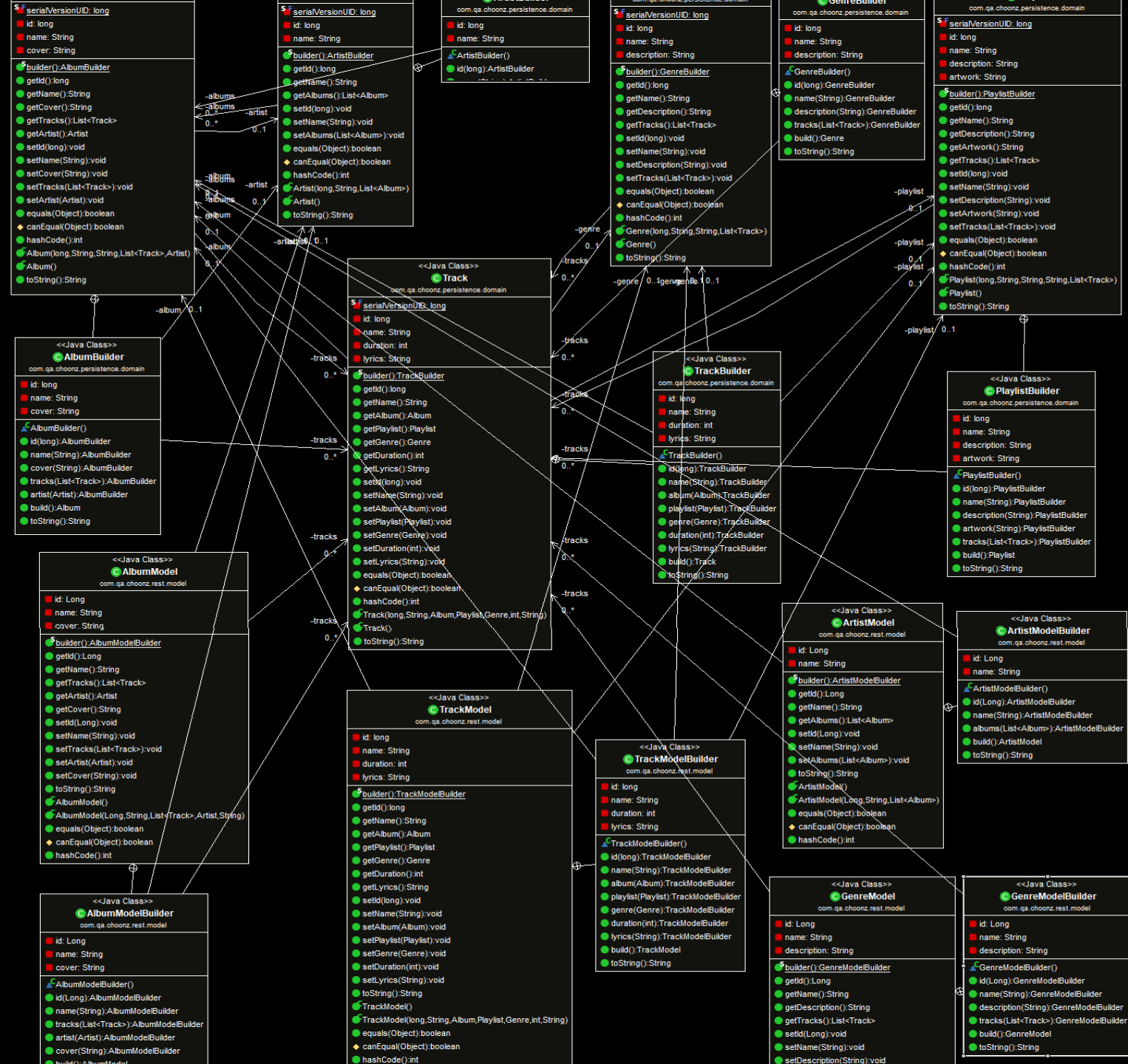 - ◇ Faster lookups for each user

HATEOAS
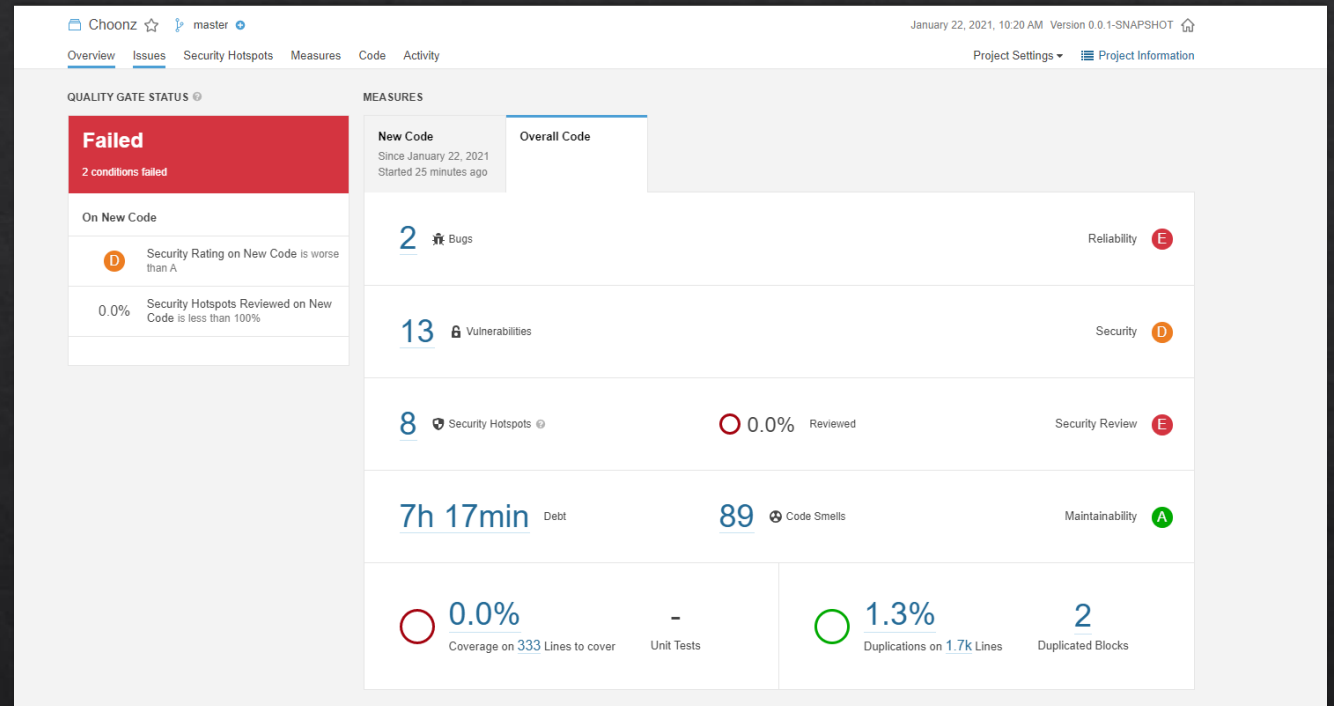

Level3: HATEOAS hypermedia as the engine of application state

Level2: Multiple URI-addressable resources and multiple HTTP Verb

Level1: Multiple URI and Single HTTP Verb

Level0: Single URI and Single HTTP Verb

Richardson Maturity Model

Post Refactor UML

Static Analysis

Retrospective

- What should we start doing?
  - Communication, organization…
- What should we stop doing?
  - Working late, long morning meetings…
- What should we keep doing?
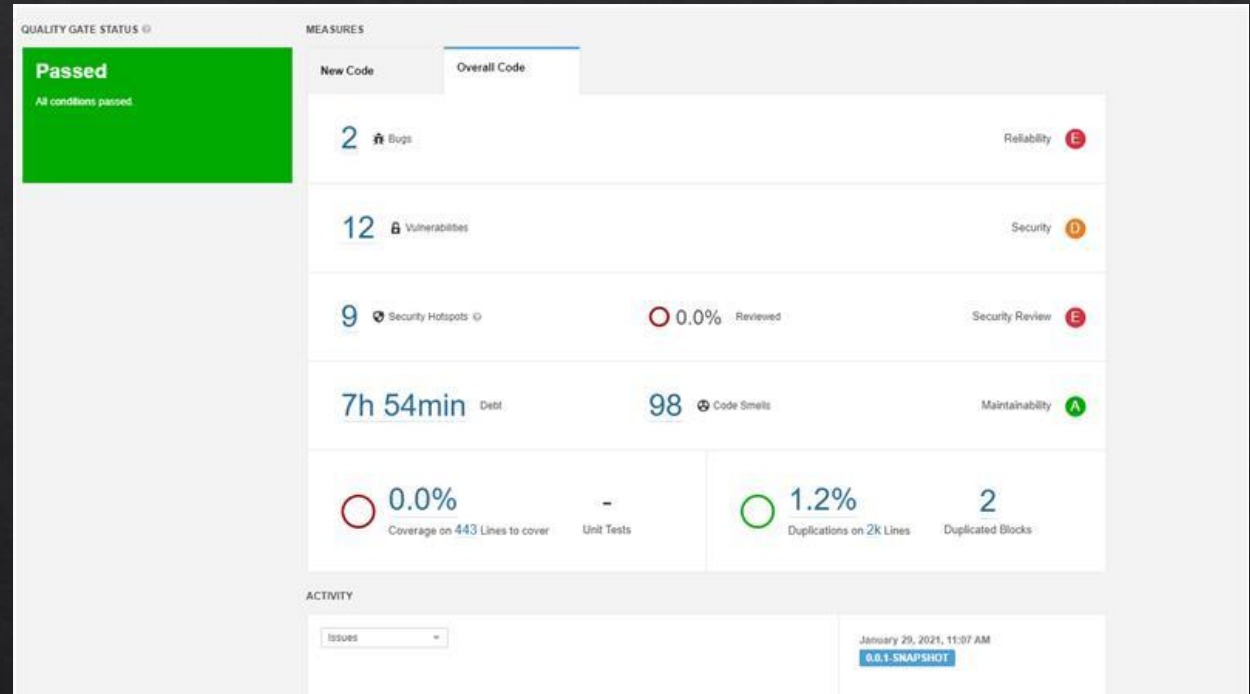 - Jira, documentation…

Sprint Two

Frontend refactor

- ◇ How could we improve on sprint one?
- ◇ Implement full CRUD functionality
- ◇ Implement Search functionality
- ◇ Implement navigation functionality
- ◇ Style:
  - ◇ Low priority

Retrospective

- TBD

Static Analysis

Final Application

- ◆ Demo

Testing

◈ Functional testing:

    ◈ JUnit (unit and integration)

◈ Non-functional:

    ◈ JMeter (load, stress, spike, soak)

◈ User acceptance:

    ◈ Selenium

Functional

- Demo

Non-Functional

◆ Demo

User Acceptance

- ❖ Demo

Future Improvements

- More robust authentication (oAuth)
- Thymeleaf implementation
- Improved styling

Thanks For Listening

Any questions?