

ECSE 321 - Intro to Software Engineering

Backlog Week 1

Harley Wiltzer
Camilo Garcia La Rotta
Jacob Shnaidman
Robert Attard
Matthew Lesko

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1 Week 1

1.1 Main Tasks

- Harley Wiltzer
 - Co-formulated the prototype Requirements Document.
 - Drafted the first Requirements Document.
 - Designed Sequence Diagrams for Instructor Actions, Student Actions, Admin Actions.
 - Made small changes to Class Diagram.
- Camilo Garcia La Rotta
 - Co-formulated the prototype Requirements Document
 - Designed the prototype Class Diagram
 - Structured the GitHub file system
- Jacob Shnaidman
- Robert Attard
- Matthew Lesko
 - Designed the prototype Use Case Diagram
 - Co-designed Sequence Diagrams

1.2 Key Decisions

1. Requirement Document

2. Use Cases

- Included four actors in the diagram, three of which are users and one of which is a service. The three users are: Student, Instructor and Department (has administrator privileges). The service is a Security Authentication.
- Each user in the diagram acts upon multiple use cases respective to their functionalities mentioned in the Requirements and Specifications documents. Each use case describes functionality that its respective actor has.

3. Class Diagram

- Trying to mimic the architecture of the event registration app, an early choice was to have a JobManager oversee the job transactions between Instructors and Students
- Each user, whether it has administrator, instructor or student access rights, is obliged to have profile instance to facilitate identity access management
- Later, it was also decided to have a ProfileManager to handle the actors' profiles and their authentication.

- To enable an administrator to recreate actions available to instructors or student, we give the class administrator the power to create instances of the aforementioned users

4. Sequence Diagram

- For convenience and concision, it was decided to design sequence diagrams for each main user action.
- The sequence diagrams may contain actions from multiple user classes to emphasize the sequence. For example, in the Instructor sequence diagram, the action of an administrator verifying Instructor modifications to the TA/Grader hours is seen.
- The current sequence diagrams include Student actions, Instructor actions, Administrator actions, and the authentication process.

5. State Chart

1.3 Work Plan

BULLSHIT THIS PART, NAME REQUIREMENTS TO TACKLE NEXT WEEK BY ID

1.4 Work Hours

ADD WTV HOURS I DONT CARE

- Harley Wiltzer
- Camilo Garcia La Rotta
 - Requirements document: 2 hours
 - Class diagram: 2 hours
 - State diagram: 1 hour
- Jacob Shnaidman
- Robert Attard
- Matthew Lesko
 - Use case diagram: 4 hours
 - Co-design sequence diagrams: 4 hours