Project Final Iteration

Purpose:

* Communicate effectively in a written and oral professional context.
* Apply computer science theory such as utilizing design patterns for Django framework to improve the testability, maintainability, modularity and reusability when building a SaaS application

**Effort:** Individual [CS3300 Academic Integrity](https://docs.google.com/document/d/1cORsFi1YrqW5ChfJu0G67Fjm8HwEMse47DVqXfEn2n4/edit" \l "heading=h.w1yj4lpdz8sh)

Reminder if you share work/code/solutions or use someone else's code you will receive a 0 and be reported to the CS chair and UCCS Dean of Students

Points: 75 pts

Deliverables: Presentation and Video Demonstration

[1 Explore and Implement (25pts)](#_heading=h.tyjcwt)

[2 Final Project Demonstration (50 pts)](#_heading=h.3dy6vkm)

# 1 Explore and Implement (25pts)

Get approval for what you want to explore and implement in your app.

Create a presentation (powerpoint) of what you learned and implemented as if you would use it to present to managers:

* Description of exploration
* Brief overview of what you learned
* Instructions for someone else to implement that includes screenshots of what was implemented (can be submitted as document or link to documentation.
* Issues you encountered
* Successes
* Resources
* Link to your github repository code

# 2 Final Project Demonstration (50 pts)

Implement

1. (10 pts) User Authentication
2. (20pts) Automated Tests
   1. Unit tests (at least 3)
   2. **Testing with Selenium WebDriver (at least 2)**
3. **(10) Exploration**
4. **(10pts) Test Coverage and Continuous Integration**

Create a video screencast (<https://obsproject.com/>) to show your final iteration work. The video should be no more than 5 minutes. Use the pause feature to be efficient with your time.

Demonstrate the following in your **video.**

* 1. Allow user to sign up for account
  2. When user logged in should be able to
     1. Add new item
     2. Edit item
     3. Remove item
  3. When a user is not logged in they can’t edit.
  4. When a user is not logged in they can view list and details

1. Your exploration you implemented - no need to explain as that will be in your presentation.
2. Run the tests
3. Show your test coverage results
4. Show your Continuous Integration