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