**[Assignment 5: Full Django + Tests](https://wtclass.wtamu.edu/webapps/assignment/uploadAssignment?content_id=_3316296_1&course_id=_70158_1&group_id=&mode=view)**

**Assignment 04: Complete Django Migration**

At this stage, we should have the following:

* Entity structural and behavioral design and implementation - Django Models will work for the most part
* A Django-based API - DRF or Django Ninja
* A persistence O/RM in Django (in place of the repository pattern)
* An event queue with Celery
* An event queue processor with Redis

What we are after now is to wrap all of this up with tests.

**Steps to Take**

You should have the following in place

1. Django O/RM for repository
2. Translate your API into one that uses the Django REST Framework (or Django Ninja)
3. Messaging and Events with Celery/Redis

Now, we'll implement Unit Testing with the built-in Django unit-test: [Testing in Django | Django documentation | Django](https://docs.djangoproject.com/en/5.1/topics/testing/)

**API CRUD + Repository Persistence**

The purpose of this assignment is complete our architecture with testing.  Despite being a web application framework, we are NOT building any UI elements, all will be proven through tests.

**Videos Forthcoming**

As was the care previously, you can count on more videos (at least each weekend) to continue to support your path.

**Submitting your Work**

There is a chance that you'd completed steps 1 and 2 previously, but they are included here for completeness.

1. Since we will be working with software, please create a Github account if you do not already have one.
2. Then, create a respository on Github that you will use for the course. I would call it CIDM6330-Spring2025
3. Within that repository, create a folder called "Assignment 5"
4. All code and other artifacts should be captured within your repository.
5. Documentation for your project as MARKDOWN ([Markdown Cheat Sheet | Markdown Guide](https://www.markdownguide.org/cheat-sheet/))