Here are the steps for this assignment

1. Implement a Repository for your project/API
2. Translate your API into one that uses the Django REST Framework
3. Use the built-in Django O/RM rather than the Repository we hand-crafter previously.

[**Assignment 04: Migrate to Django**](https://wtclass.wtamu.edu/webapps/assignment/uploadAssignment?content_id=_3310632_1&course_id=_70158_1&group_id=&mode=view)

**Assignment 04: Migrate to Django**

In the previous two assignments, you created an API and also a persistence strategy with the Repository pattern.  For this assignment, we'll translate to Django and the Django REST Framework, which are mature solutions that benefit from many of the best practices we are studying with the book.  For this advance we'll

* Learn how to translate from our FastAPI API to one provided within Django
* Learn about what a stable and mature web application framework provides
* Understand how both the API and persistence are handled by DJango

**Steps to Take**

Here are the steps for this assignment

1. Implement a Repository for your project/API
2. Translate your API into one that uses the Django REST Framework
3. Use the built-in Django O/RM rather than the Repository we hand-crafter previously.

Our good friends at GFG have some basic guidance to follow: <https://www.geeksforgeeks.org/how-to-create-a-basic-api-using-django-rest-framework/>

The QuickStart at the DRF website is helpful too: <https://www.django-rest-framework.org/tutorial/quickstart/>

**API CRUD + Repository Persistence**

The purpose of this assignment is to leverage a mature web application framework such as Django to reap the benefits of mature and stable "monolithic" implementations. Note, we will hold off on business logic until we explore event-driven paradigms.

**Videos Forthcoming**

Although I've linked to two good resources above, I will provide my customary walkthrough soon.

**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 4"
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/))