



Georgia Institute of Technology
College of Computing
School of Computing Instruction
Course: CS 2340 – Objects and Design
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Individual Assignment

Second Assignment – Django Workshop: *GT Movies Store*

Objective

The goal of this assignment is to have you design and develop a web application using Django that enables users to access information about movies and place orders to purchase them. This assignment follows, **step-by-step**, the process featured in the textbook “*Django 5 for the Impatient: Learn the core concepts of Django to develop Python web applications*” by Dr. Daniel Correa and Mr. Greg Lim—[see reference](#).

You must work on this assignment thoroughly, as you will be assessed on these skills during the first exam.

Description

GT Movies Store is a web application that allows users to access information about movies and place orders to purchase them. Users will also be able to list, create, edit, and delete movie reviews. The application will feature a user-friendly interface and provide useful information about each movie, such as its name, price, description, and an image.

This assignment will help you gain and reinforce your web development skills. For this purpose. We propose this assignment to be a fun experience that you can also use to boost your portfolio!

Grading

The assignment will be graded based on product completion, and your grade will be calculated as follows:

1. **Outstanding** (100% of the grade): *Your product was successfully developed!*
 - a. Product: Your app successfully works, features all user stories required, and presents a nice GUI.
2. **Okay** (70% of the grade)—When the following criterion is true:
 - a. Product: Your app features less user stories than those required, but no more than two user stories are missing.
3. **Less than Okay** (50% of the grade)—When the following criterion is true:
 - a. Product: Your app features less user stories than those required, with three to five user stories missing.

4. **Rejected** (0% of the grade)-- When the following criterion is true:
 - a. Product: Your app features less user stories than those required, with more than five user stories missing.

Submission requirements

This project also involves creating a personal web portfolio (**it is not your Django web application**) that showcases your submission: i.e., an online report. This is a chance for you to highlight your hard work, creativity, and technical achievements!

Objectives:

The personal web portfolio must include:

1. An introduction of who you are.
2. **GT Movies Store Description! Elaborate on the web app you designed and developed** and describe how the different screens and features respond to the required user stories.
3. Process description: Explain how you worked on this project. Did you follow any methodology or approach? How did you navigate your questions/doubts?
4. Video Demonstration: Include a demo video showcasing your web app and its features.

Recommended Website Builders:

To create your personal web portfolio, you may consider using one of the following builders for ease of use and professional results (keep in mind that you may also consider using other website builders, but try not to complicate yourselves):

- Wix
- Squarespace
- Weebly
- Google Sites
- Zyro
- GoDaddy Website Builder
- Jimdo
- Webflow

Submission Guidelines:

- Both, your Django web app and your personal web portfolio should be aesthetically pleasing, easy to navigate, and well-organized.
- Ensure the content is clear, concise, and free of grammatical errors.
- The video should be high-quality, with clear audio and visuals.

Deliverables

1. A TXT file that includes an URL to your personal web portfolio.
2. A zip file of your Django project.

User Stories:

1. As a user, I want to see information about the GT Movies Store so I can learn more about the app and its purpose.
2. As a user, I want to register an account so that I can access the GT Movies Store.
3. As a registered user, I want to log in so that I can access my account data.
4. As a user, I want to be able to view the list of movies available in the GT Movies Store so I can make my selections.
5. As a user, I want to search movies per title so I can make my selections.
6. As a user, I want to be able to access a shopping cart so I can list all movie items I am willing to purchase.
7. As a user, I want to be able to add one or more items of a movie to my shopping cart so I can purchase them in the future.
8. As a user, I want to create movie reviews so others can use my insights when searching for movies.
9. As a user, I want to be able to remove all movie items from my shopping cart so I can have flexibility on what I purchase or not.
10. As a user, I want to edit my reviews so I have the freedom to change my mind about my reviews.
11. As a user, I want to delete my movie reviews so I have the freedom to change my mind about my reviews.
12. As a user, I want to see the reviews of a movie so I can have information on whether I should purchase a movie or not.
13. As a user, I want to see the details of a movie so I have the information to make my choices.
14. As a user, I want to see a list of my orders so I can track what I have purchased and my expenses.
15. As a user, I want to be able to access the GT Movies Store from any desktop using a web browser, so I can use the app anywhere with an internet connection.
16. As a user, I want the GT Movies Store to feature a responsive Graphical User Interface (GUI) so I can access it through different devices with diverse screen sizes.
17. As an administrator, I want to be able to manage (view, create, update, or delete) users from the GT Movies Store so we can keep information up to date.
18. As an administrator, I want to be able to manage (view, create, update, or delete) movies from the GT Movies Store so we can keep information up to date.
19. As an administrator, I want to be able to manage (create, update, or delete) reviews from the GT Movies Store so we can keep information up to date.
20. As an administrator, I want to be able to manage (create, update, or delete) orders from the GT Movies Store so we can keep information up to date.