

SWE 642: Extra Credit Assignment

Objective:

Reimplement **Homework Assignment #3** using a **Python framework** such as **Django**. This extra credit opportunity can help **boost your overall grade** and give you valuable hands-on experience with end-to-end deployment pipelines.

Group Work:

- You may complete this assignment with your **current group**.
 - Alternatively, you may **merge with another group**, but the total group size must **not exceed 8 students**.
 - Be sure to **list all group members** in your documentation.
-

Requirements for Full Credit:

1. **Documentation (MS Word or PDF):**
 - Describe the **design** and **implementation** of your Python solution.
 - Include **screenshots** of your source code.
 - The document should clearly explain all steps you took — I should be able to understand your entire solution just by reading it.
2. **Video Presentation:**
 - Create a **video recording** (screen capture with voiceover) walking through your documentation.
 - Explain your design and code.
 - Demonstrate the **working of** your Python application deployment.
3. **Optional In-Class Demo:**
 - You are encouraged (but not required) to present your work in class.
 - You don't need a separate slide deck — simply walk through your documentation and demo the working of your deployment.
4. **Final Submission:** Submit a **zip file** that includes:
 - All source code and configuration files required to implement and deploy your application
 - Your **documentation** (MS Word or PDF)
 - Your **recorded video** walkthrough and demo