Divergence DevOps Scenario Capstone Plan

1. **Describe your project in a few lines**
   1. **Django project-** Recommendation Engine
   2. **Postgres Database**
   3. **Azure Devops**
2. **What data set you plan to use?**
   1. <https://www.kaggle.com/datasets/kianindeed/imdb-movie-dataset-dec-2023>
   2. Movie Recommendation System
3. **API Specification document or (Swagger document)**
   1. **What are all the different API paths you plan to create (e.g.** [**https://example.com/profile**](https://example.com/profile)**,** [**https://example.com/get\_item**](https://example.com/get_item)**,** [**https://example.com/register**](https://example.com/register)**)** <https://moviefy.com/register> <https://moviefy.com/profile>
   2. **What is your input body for API request? (Example in JSON format)**

{

"user\_id": 123,

"preferences": {

"genres": ["Action", "Comedy", "Drama"],

"release\_years": [2010, 2015, 2020]

}

}

* 1. **Type of REST API calls (e.g.: GET, POST, PUT, DELETE)**
     1. POST /api/users/
     2. PUT /api/users/{user\_id}/preferences/
     3. GET /api/users/{user\_id}/recommendations/
     4. GET /api/movies/popular/
     5. POST /api/users/{user\_id}/feedback/

1. **Create a git repo and provide link. (GitHub or Azure Code Repo)**
2. **What is your day by day plan to deliver the capstone?**

**Example**

|  |  |  |
| --- | --- | --- |
| # | Tasks | Due date |
| 1 | Create a capstone plan, identify data | Mon Jan 22, 2024 |
| 2 | Build API in Django on local machine | Tue Jan 23, 2024 |
| 3 | Setup Repo and database | Wed Jan 24,2024 |
| 4 | Setup Azure DevOps | Thur Jan 25,2024 |
| 5 | Deploy CI/CD pipelines | Fri Jan 25,2024 |
| 6 | TBD | Wed Jan 28,2024 |
| 7 | Prepare presentation for the project | Wed Jan 31, 2024 |
| 8 | Review presentation with Shri | Thu Feb 01, 2024 |