**Django Backend Assignment**

#### **Objective**

Create a Django REST API that provides CRUD functionality for an object with the following fields:

#### **Object Fields**

* image\_phone (ImageField) – Image for phone
* image\_web (ImageField) – Image for web
* redirect\_url\_phone (URLField) – Redirect URL for phone
* redirect\_url\_web (URLField) – Redirect URL for web
* title\_phone (CharField) – Title for phone
* title\_web (CharField) – Title for web
* position (IntegerField) – Determines order, with position 1 appearing first
* is\_active (BooleanField) – Active/inactive flag
* availability (ChoiceField) – Choices:
  + web\_only
  + phone\_only
  + both

#### **Requirements**

1. **CRUD Endpoints**
   * Implement Create, Read, Update, and Delete APIs using Django REST Framework.
2. **Sorting & Filtering**
   * Fetch data sorted by position (ascending order).
   * Filter by is\_active and availability parameters.
3. **Database**
   * Use **MySQL** as the database.
4. **Best Practices**
   * Use Django models, serializers, and views.
   * Ensure proper validation and error handling.
   * Implement efficient queries to maintain performance.

#### **Submission Process (via GitHub)**

* + Candidates must create a **public GitHub repository** for their project.
  + Upload the complete Django project to this repository.
  + Include a **README.md** file containing:
    - **Project setup instructions** (dependencies, database setup, running the server, etc.)
    - **How to test the API** (e.g., via Postman or cURL)
  + Provide the **GitHub repository URL** as the final submission.

#### **Bonus Points**

* Implement a Django **Admin** panel for managing records.
* Write unit tests for APIs.