


Coding Assessment

Hello, and welcome to the Coding Assessment stage! You'll find a set of instructions below that you must attempt to complete before 12/05/2023 at 08:00 PM. When completed, push your solution to a new GitHub repository, and send us a link.

Instructions:

- Install and setup the latest version of **Django** and **DRF**
- Download the Postgresql backup file and restore it to a new database
 - Click  [Download Link](#)

Task-1:

- Create an Entity for the user model using `AbstractBaseUser` class and a custom user manager using `BaseUserManager`
- Now implement login and registration API with **DRF**

Task-2:

- Download the given SQL or CSV dataset where some sales data of a super shop has been recorded.
- Create and migrate a model for a sales table, for the field specification check the given dataset. You also need to import the existing data into your database.
- Create a REST API for data insertion and manipulation
- Create an API that will generate a PDF report from the given dataset. The report should include the below information:
 - Total number of orders count per year
 - Total count of distinct customers
 - Top 3 customers who have ordered the most with their total amount of transactions.
 - Customer Transactions per Year (from the beginning year to last year)
 - Most selling items sub-category names
 - Region basis sales performance **pie chart**
 - Sales performance **line chart** over the years