Challenge Description: Accounting Application

We request you to create a RESTful API to develop an accounting application. This application will utilize different user roles and authorization mechanisms. You are expected to develop a Django project and application that meets the following requirements.

User Roles:
   - Admin: Has all the permissions. Can create, edit, and delete company accounts. Can access reports.
   - Accountant: Can view company accounts and access reports.
   - Processor: Can only see and edit the transactions they created.

Models:
   - Company: Should include information such as company name, tax number, etc.
   - Transaction: Should include information like the user performing the transaction, transaction type, amount, date, etc.

Authorization and Authentication:
   - Should use JWT (JSON Web Tokens) based authorization.
   - Only authorized users should be able to access the API.

API Endpoints:
   - Company list can be retrieved, created, updated, and deleted.
   - Transaction list can be retrieved, created, updated, and deleted.

API Endpoints URLs:
   - Company list: /api/companies/
   - Transaction list: /api/transactions/

Tests:
   - Automated tests should be written to test CRUD (Create, Read, Update, Delete) operations.

Documentation:
   - A simple API documentation explaining the usage should be prepared (a tool like Swagger or ReDoc can be used).

Share the project you develop on GitHub or a similar platform to provide access.