

Django Test: Basic Django Receipt Tracker

Objective:

Create a simple Django application that allows users to manually enter and track their receipt information. This application should focus on basic CRUD (Create, Read, Update, Delete) operations and user authentication.

Requirements:

1. Models:

- **Receipt:** Should include fields like store name, date of purchase, item list (simple text field), and total amount.
- **User:** Utilize Django's built-in User model for linking receipts to users.

2. Views and Templates:

- **List View:** Display a list of receipts submitted by the logged-in user.
- **Detail View:** Show detailed information about each receipt when selected.
- **Form View:** A form to submit new receipts and edit existing ones.

3. User Authentication:

- Implement functionalities for user registration, login, and logout.
- Ensure users can only view and manage their own receipts.

4. Forms:

- Use Django forms for the submission and editing of receipt details.

5. Testing:

- Write basic tests for your models and views.

6. Documentation:

- Provide a README file explaining how to set up and run the application.

Deliverables:

- Source code pushed to a Git repository.
- A deployment of the app or a video of the deployed app.
- The quality of the web design is not important.

Evaluation Criteria:

- **Functionality:** The application works as described, allowing users to manage their receipts.
- **Code Quality:** Clean, commented, readable, and well-structured code.
- **Authentication:** Proper implementation of user authentication and authorization.
- **Testing:** Basic tests covering the functionality.

- Documentation: Clear comments and instructions for setting up and running the application.