**Django Recipe Platform Documentation**

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**Introduction**

The Django Recipe Platform is a web application for managing and sharing recipes. It features user authentication and allows users to create, update, delete, and view recipes. The application is designed with a responsive layout using Bootstrap.

**Features**

* **User Authentication**: Login, signup, and logout functionalities.
* **Recipe Management**: Create, update, and delete recipes.
* **Recipe Details**: View recipe details including title, ingredients, instructions, and category.
* **User Interface**: Responsive design with Bootstrap and custom CSS.
* **Notifications**: Alerts for successful actions.

**Usage**

**Running the Project**

To start the development server, use:

**python manage.py runserver**

**Accessing the Application**

* **Home Page**: http://127.0.0.1:8000/
* **Recipe List**: http://127.0.0.1:8000/recipes/
* **Add Recipe**: http://127.0.0.1:8000/recipes/add/
* **About Page**: http://127.0.0.1:8000/about/

**Project Structure**

* **manage.py**: Command-line utility for Django.
* **recipe\_platform/**: Project configuration and settings.
* **recipes/**: Application code for managing recipes.
* **static/**: Static files (CSS, images).
* **media/**: User-uploaded files.
* **requirements.txt**: Project dependencies.

**Endpoints**

* **GET** /recipes/: List all recipes.
* **GET** /recipes/<id>/: View a single recipe.
* **POST** /recipes/add/: Create a new recipe.
* **POST** /recipes/<id>/edit/: Edit an existing recipe.
* **POST** /recipes/<id>/delete/: Delete a recipe.
* **GET** /about/: View the about page.

**Customization**

* **Styling**: Modify static/css/custom.css for custom styles.
* **Templates**: Update HTML templates in the recipes/templates/ directory.

**Troubleshooting**

* **Static Files Not Loading**: Ensure you’ve run collectstatic if using production settings.
* **Database Errors**: Check your database configuration in settings.py.

**Contributing**

To contribute, please fork the repository and submit a pull request with your changes. Ensure your code follows the project's coding standards and passes all tests.