**Project Overview**  
This project aims to develop a scalable Django-based web application framework, structured into three distinct Django apps. The framework will feature robust authentication, intuitive navigation, flexible database configuration, and environment-based settings.

**Key Features**

1. **User Authentication**
   * The home page will display login, logout, and registration options in the top-right corner.
   * Secure authentication using Django’s built-in system ensures safe user access.
2. **Navigation System**
   * A top navigation bar will include:
     + **Home** (main landing page)
     + **App1**, **App2**, **App3** (dedicated sections for each Django app)
   * Navigation will be consistently accessible across all pages.
3. **Database Flexibility**
   * Default database: **SQLite**, which will be the place to store all user logins and page operations
   * Pre-configured alternative options (commented out for easy switching): **Azure PostgreSQL**, **Microsoft SQL Server (MSSQL)** for future use
4. **Environment Configuration**

* A .env file will manage key settings (e.g., secrets, database credentials).
* Sensitive data will never be hardcoded.

**Application Structure**

* Each app (App1, App2, App3) contains five subpages.
* Subpages will support external system connections, including **Oracle databases, Sybase databases**, and **Linux hosts** via SSH to define application specific checks and automations (to be defined later)
* Connection details will be stored in a structured configuration Python file for easy manual adjustments post-deployment.

Project Structure:

ABAssist/

├── manage.py

├── .env

├── ABAssist/

│   ├── \_\_init\_\_.py

│   ├── settings.py

│   ├── urls.py

│   ├── asgi.py

│   ├── wsgi.py

│   └── external\_config.py

├── accounts/

│   ├── \_\_init\_\_.py

│   ├── admin.py

│   ├── apps.py

│   ├── forms.py

│   ├── models.py

│   ├── urls.py

│   └── views.py

├── app1/

│   ├── \_\_init\_\_.py

│   ├── admin.py

│   ├── apps.py

│   ├── models.py

│   ├── urls.py

│   ├── views.py

│   └── templates/

│   └── app1/

│   ├── page1.html

│   ├── page2.html

│   ├── page3.html

│   ├── page4.html

│   └── page5.html

├── app2/

│   ├── \_\_init\_\_.py

│   ├── admin.py

│   ├── apps.py

│   ├── models.py

│   ├── urls.py

│   ├── views.py

│   └── templates/

│   └── app2/

│   ├── page1.html

│   ├── page2.html

├── app3/

│   ├── \_\_init\_\_.py

│   ├── admin.py

│   ├── apps.py

│   ├── models.py

│   ├── urls.py

│   ├── views.py

│   └── templates/

│   └── app3/

│   ├── page1.html

│   └── ... (pages 2-5 like app1)

└── templates/

├── base.html

├── home.html

└── accounts/

├── login.html

└── register.html