

Title:-NoteKeeper – Personal Notes Application

Overview:

NoteKeeper is a full-stack Django-based web application that allows users to securely create, manage, and organize their personal notes. Users can register, log in, and manage notes with features like create, read, update, delete (CRUD). The application includes user authentication, role-based access (optional future enhancement), and a mobile-responsive user interface.

Goals & Objectives:

- Allow users to register and log in securely.
- Let users create, edit, delete, and view their notes.
- Support tagging or marking important notes.
- Ensure notes are private to each user.
- Provide a clean and responsive UI for desktop and mobile.
- Enable search/filter functionality for quick access to notes.

Target User

- Age Group: 15–60

Students, professionals, writers, and anyone needing a secure space to write, manage, and organize personal notes.

Pet Sitters:

- Age Group: 18–40 years
- Includes college students, freelancers, animal lovers, or part-time workers interested in offering pet care services.

Features

Feature	Description	Priority
User Registration and login	Secure sign-up with username, email, and password	High
Login/Logout	Session-based authentication	High
Note Management	Users can create, read, update, delete notes	High
Important Notes	Users can mark/unmark notes as important	Medium
Dashboard	View all personal notes in card or list format	High
Search notes by title or content, filter by importance	Owner's can leave reviews for sitters after service completion	Medium
Responsive UI	Mobile- friendly interface	High

Functional Requirements

View Notes

Data Displayed:

- Pet Name
- Title
- Content
- Date Created/Updated
- Importance (if marked)

Database:

- Notes linked to each user using Django's User model and foreign key relationship.

Access:

- Only logged-in users can access and manage their own notes.

Interface:

- Displayed on the user dashboard.
- Each note has "Edit" and "Delete" buttons.

Filter System

Filters Provided:

- Important Notes
- Date Created (optional future)

UI Implementation:

- Search bar and checkbox filters on top of the dashboard.

Benefit:

- Helps sitters **quickly narrow down** care requests based on their preferences and availability.
- Helps users find notes quickly and stay organized.

UI/UX Requirements

- Clean, modern, mobile-first layout
- Minimum 3 core screens:
 - Dashboard – List of all notes with quick actions
 - Note Editor – Form to create/edit notes
 - Login/Register Pages – User authentication

Tech Stack

- Frontend: HTML, Tailwind, CSS
- Backend: Django, SQLite

Timeline

Task	Deadline
Requirement Finalization	Day 1
Design UI Wireframes	Day 2
Setup User Auth and Models	Day 3
Note CRUD System	Day 4
Dashboard and UI Integration	Day 5
Testing	Day 6
Final Touches & Documentation	Day 7

Success Criteria

Auth system works: register, login, logout.

Users can create, view, edit, and delete notes.

Notes are linked to each user only.

Search and filter work correctly.

UI works smoothly on both desktop and mobile.

No major bugs or data loss.

Deliverables

- Working app
- Code (GitHub)
- PDF report with screenshots and description