Study Material Website - Quick Explainer

This web application allows users to upload and share study materials such as notes and documents.

Tools & Technologies Used:

1. Flask (Python):

   - A lightweight web framework used to build the server-side logic and handle routing.

2. SQLite:

   - A lightweight, file-based database used to store metadata about uploaded notes.

3. HTML, CSS (possibly with Bootstrap):

   - Used to create the frontend UI where users can interact with the site.

4. Render:

   - A cloud platform used to deploy the Flask app, making it accessible online.

   - The free instance provides basic hosting with limitations like idle timeout.

5. GitHub:

   - Source code is managed via a GitHub repository and deployed to Render from there.

Workflow Summary:

- Users access the website and upload their notes.

- Flask handles the file upload and stores information in the SQLite database.

- Users can view and possibly download notes shared by others.

- The app is hosted on Render and automatically deployed from GitHub.

Note: Environment variables (like database paths or secret keys) are configured in Render's dashboard to maintain security.