

Online Journal App - Requirements Document

1. Project Overview

The Online Journal App is a lightweight web application where users can create, view, update, and delete their personal journal entries. Each journal entry will consist of a title, date, and content. The application will be built using Flask (Python), SQLite, HTML, and CSS.

2. Functional Requirements

- Users can create a new journal entry.
- Users can view a list of all journal entries.
- Users can view the full content of a specific journal entry.
- Users can update an existing journal entry.
- Users can delete a journal entry.

3. Non-Functional Requirements

- The application should have a clean and simple user interface.
- The application should save data locally using SQLite.
- The application should respond within 2 seconds for all operations.

4. Technology Stack

- Backend: Python (Flask Framework)
- Frontend: HTML, CSS (Jinja2 templating)

- Database: SQLite

5. System Architecture Overview

- Client (Browser) interacts with Flask server.
- Flask server handles routing and database interactions.
- SQLite database stores journal entries.
- Frontend templates render dynamic content based on routes.

6. Routes Specification

- GET / -> Homepage showing list of entries
- GET /create -> Form to create a new entry
- POST /create -> Save new entry to database
- GET /edit/<id> -> Form to edit an entry
- POST /edit/<id> -> Update entry in database
- POST /delete/<id> -> Delete entry from database

7. Future Improvements

- Add Markdown support for entries.
- Implement basic user authentication (login/logout).
- Enable deployment on a public hosting service.