

User Documentation

1. Introduction

The Document Management System (DMS) allows users to create, view, update, delete, and query documents stored in Mongo DB. Documents consist of an ID, title, and content. The project includes two interfaces:

- CLI version: Node.js-based terminal application.
- Web version: Python Flask-based browser application.

2. Installation and Configuration

- Mongo DB installed and running locally or remotely.
- Node.js (for CLI version).
- Python 3.x with pip (for Flask version).
- Git and terminal/command prompt access.

Install and Configure Mongo DB

1. Download and install Mongo DB from the official website.
2. Start the Mongo DB server (service or `mongod` command).
3. Open the Mongo DB shell or Compass and set up the database:
4. `use documents_db`
5. `db.documents.insertOne ({id: "2", title: "my love", content: "Love is sweet."})`

This creates the `documents_db` database and `documents` collection.

Running the CLI Version (Node.js)

1. Clone repository:
2. `git clone https://github.com/priscillanzula/Document-Management-System.git`
3. `cd Document-Management-System/mongo/dms_js`
4. Install dependencies:
5. `npm install inquirer mongodb`
6. Start the CLI application:
7. `node dms.js`

Running the Web Version (Flask)

1. Navigate to Flask folder:
2. `cd Document-Management-System/mongo/dms_flask`
3. Install Python requirements:
4. `pip install -r requirements.txt`

5. Run the application:
6. `python app.py`
7. Open browser and visit: `http://127.0.0.1:5000`

3. CRUD Operations

CLI Version

- Create: Select *Create Document*, enter ID, title, and content.
- Read: Select *Read Documents* to list all documents.
- Update: Select *Update Document*, provide document ID, then edit title/content.
- Delete: Select *Delete Document*, enter ID to remove.
- Query: Select *Query Document*, enter ID to search.

Web Version

- Home Page: Lists all documents with options to update or delete.
- Create: Click *Create Document*, fill in ID, title, and content.
- Update: Click *Update* on a document, modify details, and save.
- Delete: Click *Delete* next to a document to remove it.
- Query: Use search form to find a document by ID.

4. Additional Features

- Validation: Ensures unique IDs and prevents empty fields.
- Error Handling: Displays errors for invalid IDs or inputs.
- Multiple Interfaces: CLI and Web versions for flexibility.
- Structured Design: CRUD functions and templates are modular.