SMART BOOK RECOMMENDATION SYSTEM USING MACHINE LEARNING - SETUP GUIDE TO RUN THE PROJECT

1. Prerequisites:

   Python 3.8 or higher

   pip (Python package manager)

   Web browser (Chrome, Firefox, etc.)

   Internet connection (for Chatbot integration)

2. Required Libraries:

   Install the necessary Python libraries using the following command: pip install

   pandas numpy scikit-learn nltk streamlit joblib streamlit

3. Project Structure:

   - app.py   : Main Streamlit application file

   - books.csv, ratings.csv : Dataset files

   - .pkl files   : Pretrained models (e.g., similarity_scores.pkl)

   - index.html   : HTML file to embed Streamlit app and Chatbot

   - venv/   : Virtual environment folder

4. Running the Streamlit App:

Open terminal or PowerShell and navigate to the project directory. Then run:
streamlit run app.py

This will start the application locally. You will see output

like: Local URL: http://localhost:8501

Network URL: http://192.168.1.7:8501

5. Viewing the Application with Chatbot:

Open the file 'index.html' in your browser and click "Go Live". This

will open a webpage that embeds both your Streamlit app and the

chatbot via iframe.

6. Output:

- Enter the book name in the input field.

- View the top N recommended books instantly.

- Use the chatbot for conversational book queries.

7. Notes:

- Ensure your chatbot URL (Chatbase/OpenAI) is correctly embedded in
  index.html.

- Make sure your virtual environment is activated when running the app.