

README

This README provides instructions on how to set up the database, install necessary dependencies, and run the Flask application.

Database Setup:

MySQL Workbench:

- Make sure you have MySQL Workbench installed on your machine.
- Open MySQL Workbench and create a new schema (database) for the project.

Data Dump:

- Use the provided SQL script (`data_dump.sql`) to create tables and insert sample data into your schema.
- Open a MySQL command line or MySQL Workbench, and execute the SQL script.

Installation:

Before running the Flask application, you need to install the required Python libraries. Open a terminal in the project directory and run:

```
pip3 install -U Flask
pip3 install -U scikit-learn
pip3 install -U Flask-SQLAlchemy
pip3 install pandas
pip3 install joblib
```

This will install the necessary dependencies, including the MySQL connector.

Configuration:

Open `app.py` and update the database configuration:

- Set `root` and `password` to your MySQL username and password.
- Set `DB_HOST` to the address where your MySQL server is running.
- Set `bookshop` to the name of the schema you created.

Ensure your MySQL server is running.

Running the Application:

To run the Flask application, execute the following command in the terminal:

From the terminal, Run app.py file and then visit `http://127.0.0.1:5000/` in your web browser to access the application.