

E-Voting System - Web Application Version

This is the web-based version of the E-Voting project, built with the Flask framework.

Prerequisites

* **Python 3**

* **A running MySQL instance.** This can be from an installation of MySQL Community Server, XAMPP, WAMP, or a similar package.

* **A MySQL client tool** to set up the database, such as MySQL Workbench, DBeaver, or the command-line client.

Setup Instructions

Step 1: Navigate to the Project Directory

Before running any commands, you must first open your command prompt (or terminal) and navigate to this folder.

On Windows:

Use the `cd` command. For example, if you unzipped the project onto your Desktop, the command would be:

```
cmd
```

```
cd C:\Users\YourUsername\Desktop\[YourProjectFolderName]\2_WebApp_Version
```

(Replace YourUsername and [YourProjectFolderName] with the actual path.)

On macOS or Linux: The command is similar. For example:

```
cd ~/Desktop/[YourProjectFolderName]/2_WebApp_Version
```

IMPORTANT: All subsequent commands in the setup must be run from this directory.

Step 2: Set Up the Database

1. Open your MySQL client tool (e.g., MySQL Workbench).
2. Create the database by running this command:

```
CREATE DATABASE IF NOT EXISTS eVotingMpDb;
```

3. Select the new database:

```
USE eVotingMpDb;
```

1. Open the database_setup.sql file from this folder, copy its entire content, and run it in your MySQL client. This will create all tables and add sample data.

Step 3: Install Python Dependencies

In the same command prompt window from Step 1, run the following command. It will read the requirements.txt file and install all necessary libraries automatically.

```
pip install -r requirements.txt
```

Step 4: Configure Database Connection (If Necessary)

The application is configured to connect to a local MySQL database with user root and password Qawsedrftg@1. If your setup is different, open the app.py file and edit the DatabaseManager(...) line near the top.

How to Run the Application

1. From the command prompt, while inside the 2_WebApp_Version directory, run the Flask application using this command:

```
python app.py
```

1. After the server starts, you will see a message like * Running on http://127.0.0.1:5000.
2. Open your web browser (like Chrome, Firefox, etc.) and go to this address:
<http://127.0.0.1:5000>
3. You can now interact with the full web application.

Sample Credentials for Testing

- **Admin:**
Username: admin@
Password: pass123
- **Voters (Voter ID / Password):**
MP001/ arjun123
MP002 / sneha@456
MP003 / karanPwd
MP004 / pooja@789