**Setup Instructions**

**1. Prerequisites**

Before starting, ensure you have the following installed:

* **Python 3.8+**: Download and install Python from [python.org](https://www.python.org/).
* **Pip**: Included with Python, used to install required libraries.
* **Flask** and other dependencies.

**2. Clone or Create the Project**

* Save the provided Flask application code in a file named app.py.

**3. Create a Virtual Environment (Optional but Recommended)**

Create an isolated Python environment to manage dependencies:

bash

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python -m venv venv

Activate the virtual environment:

* On Windows:

bash

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venv\Scripts\activate

* On macOS/Linux:

bash

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source venv/bin/activate

**4. Install Required Dependencies**

Run the following command to install necessary Python libraries:

bash

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pip install flask pandas

**5. Run the Application**

Start the Flask application by running:

bash

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python app.py

**6. Open the Application in Your Browser**

* After running the app, Flask will display a URL like http://127.0.0.1:5000.
* Open this URL in your web browser.

**7. Using the Application**

1. **Upload a CSV File**:
   * Use the "Browse" button to upload a CSV file.
   * View the preview of your uploaded data and available columns.
2. **Define a Query**:
   * Select the column containing entities you want to search.
   * Enter a dynamic query like Find the email address of {company}.
3. **Process Data**:
   * The app will simulate information retrieval and display results.
4. **Download Results**:
   * Click the "Download Results as CSV" link to save the extracted data locally.