Setup Guide:

Phase 1: Preparation & File Extraction

1. **Install Prerequisites:**

    o Install **Python** (3.8+).

    o Install **Node.js** (includes npm).

    o Install **MySQL Server** (and MySQL Workbench or phpMyAdmin).

2. **Extract Project Files (OS):**

    o **Unzip** the project file (project.zip) to a simple location (e.g., C:\projects\samaysudarshan-v2).

3. **Check Structure:** Verify that the extracted folder (samaysudarshan-v2) contains two sub-folders: backend/ and frontend/.

Phase 2: Database Import (DBMS)

This is the most crucial step, as you have a SQL dump file (samaysudarshan_db.sql or similar) inside your zip.

1. **Start MySQL Server:** Ensure your MySQL service (like XAMPP or WAMP) is **running**.

2. **Create Empty Database:** Open MySQL Workbench, phpMyAdmin, or your terminal and create the empty database with the **exact same name** as before:

SQL

CREATE DATABASE samaysudarshan_db;

3. **Import Data (SQL Dump):** Now, you need to import the data into this empty database.

    o **Option A: Using MySQL Workbench (Easiest)**

        ▪ Right-click the samaysudarshan_db in the SCHEMAS panel.

        ▪ Select **'Table Data Import/Export'**.

        ▪ Go to the **'Import Data'** tab.

        ▪ Select the directory where your SQL dump file is located, or use the **"Import from Self-Contained File"** option, pointing it to your .sql file.

- Start Import.

Phase 3: Backend Setup & Configuration (Flask)

1. **Navigate to Backend:**

Bash

cd samaysudarshan-v2/backend

2. **Create/Activate Virtual Environment (OS):**

Bash

python -m venv venv

.\venv\Scripts\activate # Windows

or source venv/bin/activate # macOS/Linux

3. **Install Dependencies:**

Bash

pip install Flask Flask-Bcrypt Flask-JWT-Extended mysql-connector-python

4. **Update DB Connector (CRITICAL):** Open db_connector.py and ensure the HOST, USER, and PASSWORD match the credentials of the MySQL setup on the **new PC**.

Phase 4: Frontend Setup (React)

1. **Navigate to Frontend:**

Bash

cd ../frontend/

2. **Install Dependencies:**

Bash

npm install

3. **Check API URL:** Verify src/api/axiosInstance.js still points to http://localhost:5000/api.

Phase 5: Run the Project

1. **START BACKEND (Terminal 1 - From backend/):**

Bash

export FLASK_APP="app.py" # Windows: $env:FLASK_APP = "app.py"

flask run

2. **START FRONTEND (Terminal 2 - From frontend/):**

Bash

npm start