CP4477 Major Project - Marcus Blagdon

GitHub Url:

https://github.com/Mblagdon/CP4477Project

Additional Instructions and Steps to setup and run the web app:

*Note these are also under the ReadMe for the project.

Prediction App - MPG and Diabetes
Setup and installation:
1.Clone the Repository:https://github.com/Mblagdon/CP4477Project.git
2.Install Required Libraries:pip install Flask joblib
3.Navigate to the Project Directory

Run application:
python app.py
The application will start running on http://127.0.0.1:5000/.

How to Use MPG:
1.Open a web browser and navigate to http://127.0.0.1:5000/.
2.Click on the "Go to MPG Prediction Form" link to access the prediction form.
3.Fill in the required fields with vehicle data (cylinders, horsepower, etc.).
4.Submit the form to see the predicted MPG value.

How to Use Diabetes Prediction
1. Open a web browser and navigate to http://127.0.0.1:5000/.
2. Click on the "Predict Diabetes" link to access the diabetes prediction form.
3. Fill in the required fields with medical data (pregnancies, blood pressure, skin thickness, etc.).
4. Submit the form to see the predicted glucose level.

Features for MPG:
MPG Prediction: Predict the MPG for vehicles based on user input.
User-Friendly Interface: Simple and easy-to-use web interface.
Input Validation: Ensures accurate and valid user inputs.

Features for Diabetes:
Diabetes Prediction: Predict glucose levels based on medical data input.
User-Friendly Interface: Simple and user-friendly form to input medical data.
Input Validation: Validates inputs to ensure data accuracy.

Technologies Used
Python
Flask
Joblib
HTML/CSS