



PROJECT ABSTRACT

CARPOOLING APPLICATION

Team Name:

SyntaxSprinter

Team Members:

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Objective:

To develop an online platform which can connect the drivers and the passengers with similar travel routes

Description:

Carpooling is the concept of sharing car to accommodate more than one person at a time to travel together to a common destination .This concept helps us to make a sustainable transportation arrangement by addressing key challenges such as traffic congestion and environmental impacts.

This helps to reduce traffic congestion, lower fuel consumption, and decrease emissions, thereby contributing to environmental sustainability .It can be organized among friends, coworkers and even with unknown people.

Features:

- Passenger has the choice to choose his driver
- Driver can organize various events

- Passenger can change to driver by the approval of admin
- Passenger can choose the type of vehicles for travelling.

Tech Stack:

- Python
- mysql
- Css
- Flask
- html

Methodology:

In this application, there will be three main user roles:

- Admin
- Drivers
- Passengers

We have to design four interfaces: for the Home page, for the admin for the driver ,and for the passengers .On our homepage, a sign up button will be there ,when any user will sign up for driver, a request will be sent to the admin who can either accept or reject the driver's application .When a user sign up as a passenger, then admin approval is not required but if he wishes to join an event created by the driver, he needs to request the driver and the driver will be accepting or rejecting his request.

Home page:

- Exhibits all carpooling events generated by the drivers
- Link to the Sign-up/Sign-in for Drivers ,Passengers and Admin

Admin panel:

- Accepting driver application
- Converting passenger roles to driver and vice versa

- Delete or restrict join the events
- carpooling events created by the drivers
- Adding vehicle types

Driver interface:

- Profile creation
- add or delete or update carpooling events
- accept or reject passenger's request
- report passenger to the admin

Passenger interface:

- profile creation
- view trips created by the drivers
- request driver to join the events
- send query to the driver
- report driver to the admin