Project Title - *CityLink Rideshare Hub*

Team Members

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Project Summary

CityLink Rideshare Hub is an online platform that makes it easy for people to share rides between cities. It brings together drivers and passengers in a smooth way, making travel more fun and helping the environment. Our project uses travel information to make sure everyone can connect easily, and we are all about creating community-driven trips that are good for the economy and the planet.

Project Description

➔ **Objectives**: CityLink National Rideshare Hub seeks to provide an efficient solution for intercity travel by connecting individuals with shared destinations. The primary objective is to create a user-friendly platform where users can input travel details, find matches, and engage in rideshare opportunities. By doing so, the project aims to address the challenges of individualized and costly intercity travel

➔ **Usefulness**:

- ◆ The CityLink National Rideshare Hub's database is an important asset, tracking drivers and passengers involved in intercity transportation through its user-friendly interface. This platform will empower users with transportation to enter information effortlessly, find the right candidates, and participate in ridesharing opportunities. It will solve transportation challenges What makes CityLink unique is its comprehensive and localized ride sharing network in the country. Unlike other databases, CityLink encourages users to share trips, split costs, and contribute to a more sustainable and connected society.
- ◆ This new platform is designed for individuals seeking cost-effective and convenient intercity mobility solutions, whether for road transport or

multi-city operations. The CityLink National Rideshare Hub uniquely targets those who value connectivity, shared experiences and a commitment to reducing their carbon footprint. Notably, the platform is especially important to Indiana University Bloomington's vibrant student community, offering a centralized solution for seamless car sharing that fosters a culture of sustainable mobility at a lower cost to manage. With this initiative, CityLink becomes more than just a rideshare platform; It serves as an incentive for students to share experiences, build connections, and contribute to a greener and more intimate campus environment. Embrace the convenience of the CityLink National Rideshare Hub – your dedicated resource for ridesharing with fellow students and community members.

➔ **Dataset**: The CityLink National Rideshare Hub dataset is a fictional collection of ride-sharing details meant to mirror the day-to-day operations of a ride-sharing company. It's created to help the company analyze and enhance their service by tracking rides, understanding customer preferences, and managing payments.

Basically, the dataset would include:

- Ride IDs and user IDs to keep tabs on rides and users.
- Start and end cities for each trip.
- Timings for when the rides begin.
- The number of seats offered and taken.
- The type of car being driven.
- The cost for each seat and payment details.

This data helps the company understand where and when people travel, how they like to ride, and how the business can grow and serve better.

For creating such a dataset, we're taking inspiration from existing datasets on Kaggle, which provide us with insights into car rentals and store locations. These real-world data sources help simulate a realistic service platform for CityLink.

- https://www.kaggle.com/datasets/polartech/car-rental-dataset
- https://www.kaggle.com/datasets/thedevastator/enterprise-rent-a-car-store-locations

➔ **Sharing**: To discuss and monitor the progress of our project, we will be meeting weekly via Teams during our free time.

- We will utilize Teams for communication and discussions:

  O365-ADT Group Project | General | Microsoft Teams

- To collaborate on a project and maintain the codes, we have set up a GitHub repository:
  https://github.iu.edu/sgosawi/ADT_Project_G10

Group Contribution

- Provide each team member's contribution

Name	Tasks	Average Time Spent (per milestone)
Manikanta Kodandapani Naidu	1. Backend API development 2. Database design 3. Web page design, development and integration 4. Documentation	10 hours 3 hours 4 hours 2 hours
Siddharth Gosawi	1. Backend API development 2. Database design 3. Web page design, development and integration 4. Documentation	10 hours 3 hours 4 hours 2 hours
Monisha Patro	1. Web page design, development and integration 2. Database design 3. Backend API development 4. Documentation	10 hours 3 hours 4 hours 2 hours