A P2P Carpooling Capstone project for BCDV1014
George Brown College

About Me!

I am *Parth Ilasariya*

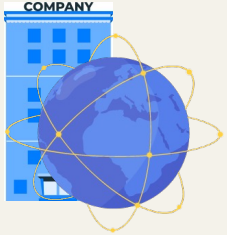
- ❑ Postgrad Blockchain Development student at George Brown College
- ❑ I have experience in Frontend Development and UI-UX design
- ❑ Also, Graphic designing is my hobby

You can connect with me on /parthilasariya

Our company

Dropme is a blockchain-based city-to-city Carpooling platform that will work on a decentralized network to minimize the extra cost accrued due to the presence of multiple intermediates.

Problem in Existing System

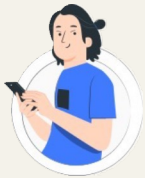


RIDE-SHARING COMPANY

Owns All Data and Takes Commission

DRIVERS

Have No Control Over Fares



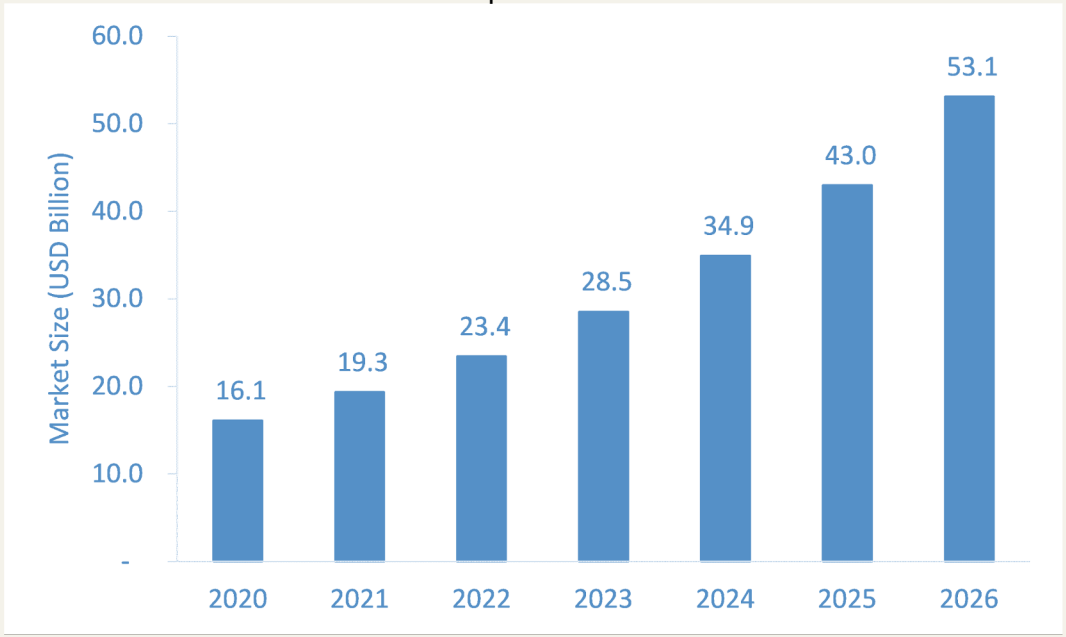
PASSENGER

Pay Increased Surge Prices
And Data Privacy Issue

Market Research

- The ridesharing industry has grown into an industry valued at more than $30 billion globally
- Ride-sharing is highly popular for traveling within or outside the cities

The Global Carpooling Market is expected to grow from USD 16.1 billion in 2020 to USD 53.1 billion by 2026 at a CAGR of over 22.3% during the forecast period.



Current Competitors

There are multiple platforms in the market such as:

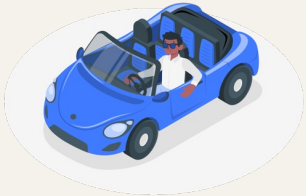
- Uber Pool
- Poparide
- Lucky To Go

Apart from this drivers post advertise on platforms like Facebook Marketplace and Kijiji.

A Blockchain Solution

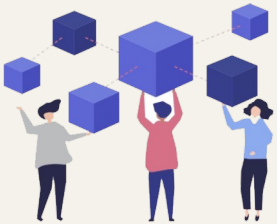
Our Company

Open Source for Non-Profit



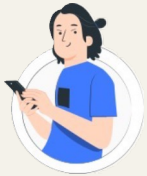
DRIVERS

Are Their Own Bosses



Blockchain

Stores Data on Decentralized Network &
Manages The Transections
Through Smart Contracts



PASSENGER

Own Data and No Need to
Pay Extra TO Mediator

Our Proposal

Fast, Secure, and Efficient Transactions

The blockchain platform enables riders to communicate directly with drivers, eliminating the need for a middleman. This minimizes the additional costs associated with having multiple intermediaries.

Increased Security and Privacy Standards

The standards defined in smart contracts ensure that drivers do not engage in any illegal conduct by providing an acceptable ranking for riders.

Enhanced Network Data Security

Blockchain technology can protect ridesharing data from data hackers. This information is only accessible through Dapps (decentralised apps) that allow transfers between drivers and riders. There is no central database to be compromised in this way.

Optimized economic activities

Using the approach of a decentralised carpooling network, anyone can make money with their vehicle. Because there are no intermediaries, market potential develop for those with a smartphone and a secure modern car.

Saves thousands of Metric Tonnes of CO2

Ride Details
Shared on Our Platform

Ride Options

Ride Fare Slection

Ride Fare Will Be
Paid In Advance

Driver Gets
Rider Details

Driver Will Arriver to Pickup
The Riders

Rider

Ride

Destination Arrival

Driver Will Get Pay
Through Smart Contracts

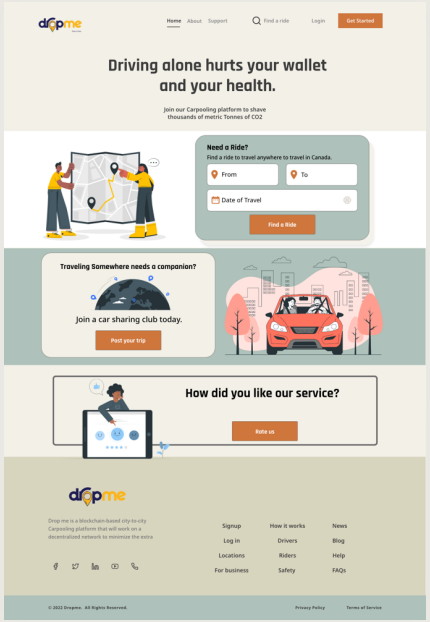
P2P Ridesharing
Smart Contract

Smart Contracts for
Deiver Details Re-Evalution

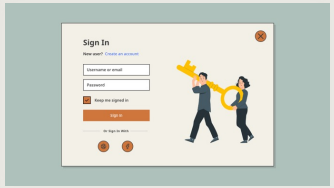
Smart Contracts
to Assign Driver Real-Time
Status Payments

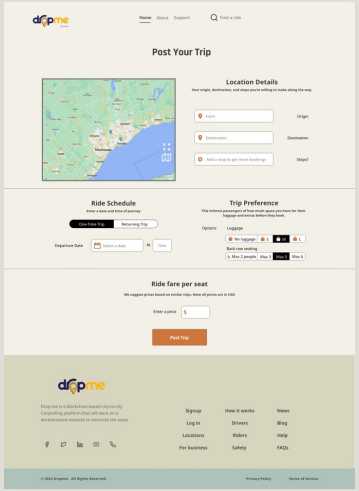
Use Case

Prototype


Home
About
Support
Find a ride
Login
Get Started
Driving alone hurts your wallet and your health.
Join our Carpooling platform to shave thousands of metric Tonnes of CO2
Need a Ride?
Find a ride to travel anywhere to travel in Canada.
From
To
Date of Travel
Find a Ride
Traveling Somewhere needs a companion?
Join a car sharing club today.
Post your trip
How did you like our service?
Rate us
Signup
Log in
Locations
For business
How it works
Drivers
Riders
Safety
News
Blog
Help
FAQs
Privacy Policy
Terms of Service


Create An Account
Already an user? Sign In
First Name
Last Name
Email Address
Password
Sign Up


Sign In
New user? Create an account
Username or email
Password
Keep me signed in
Sign In


Post Your Trip
Location Details
Origin
Destination
Stops?
Ride Schedule
Trip Preference
Departure Date
Ride fare per seat
Enter a price
Post Trip

Technology stack

Web Architecture

Backend

Frontend

Smart Contracts

Release

dropme

Share to Save

Thank You!

Please reach out with questions.

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https://github.com/parthilasariya/Capstone-Project

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