

# CRUISE

**Ride sharing solution**

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# Introduction

In today's world of high traffic and non sustainable means of transportation, it is very essential to understand and make use of better and sustainable solutions such as carpooling, ride sharing, using public transportations etc.

It is a much better and sustainable solution as less fuel is being used for transporting multiple people instead of individual people using multiple vehicles burning more fuel and causing more traffic.

That is why we introduce CRUISE. A car pooling solution based on the ONDC network of Indian gov for ensuring a better and sustainable means of transport.



## Problem statement

CRUISE

- We are trying to solve the pervasive issue of inefficient and unsustainable individual transportation methods, especially in urban settings, which are characterized by the following challenges:
  - Traffic Congestion: Urban areas often suffer from congested roads and highways, leading to time-consuming commutes, productivity losses, and increased stress for commuters.
  - Environmental Impact: The extensive use of personal vehicles in cities contributes to air pollution and greenhouse gas emissions, exacerbating climate change and negatively impacting public health.
  - High Operating Costs: Maintaining and fueling personal vehicles is expensive, and not everyone can afford the costs of car ownership.
  - Underutilization of Vehicles: Most personal cars remain underutilized, as they are often occupied by a single person, wasting valuable resources.

The Uber logo, consisting of the word "UBER" in white, uppercase, sans-serif font, centered within a solid black square.The Ola logo, featuring the word "OLA" in a bold, black, sans-serif font. The letter "O" is a solid black circle, and the "LA" is formed by two thick, black, slanted strokes.

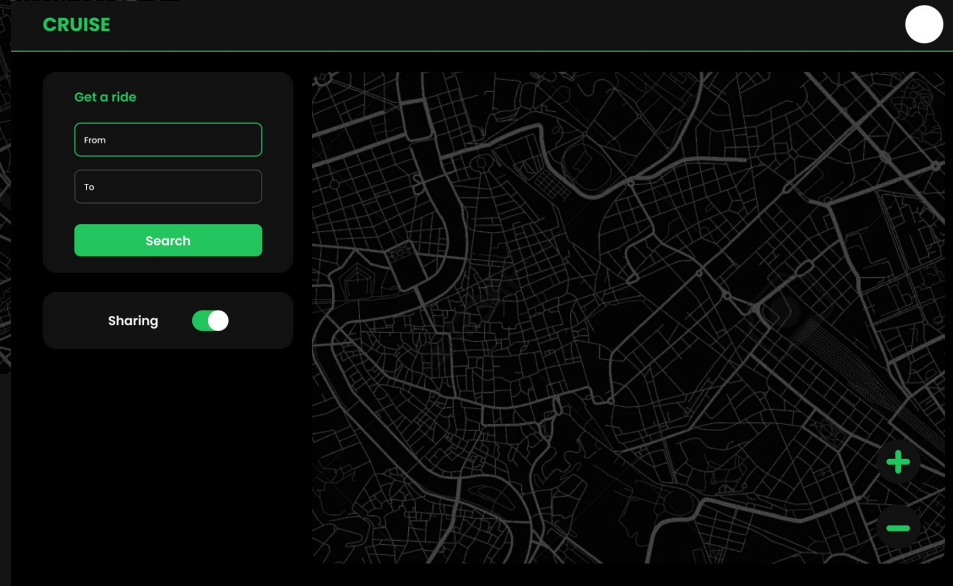
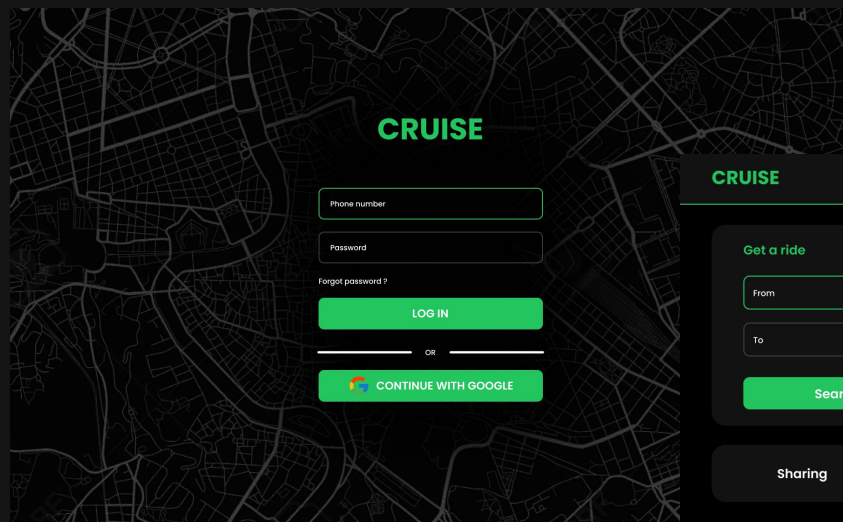
## Solution

CRUISE

- The solution that we offer is named as “**CRUISE**”.
- An Android application/web platform which makes use of **ONDC** network to bring together cab drivers and other mobility service providers to provide a car pooling solution where people can book individual seats instead of an entire cab.
- This in turn reduces travel cost for individuals and provides a more energy efficient solution.
- Being based on the ONDC network, bringing in service providers is easy and it becomes more beneficial for them than using other currently available solutions.

# Solution – Pics

CRUISE



# Tech Stack

CRUISE

- Web platform :

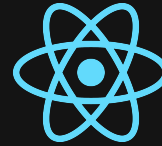
- Next.js , Tailwind CSS , React
- Firebase , Clerk , ONDC

- Mobile app :

- Flutter
- Firebase



 tailwindcss



## Implementation and Scope

- The platform is implemented in both web and mobile front.
- Enabling more people to access and make use of the service.
- And being made on top of ONDC, it means that there is no need of additional onboarding process for the drivers as its already implemented using the ONDC network.
- The tech stack used is highly scalable and can support large amount of users.

# Social impact on Safety in transportations

CRUISE

- **Environmental Benefits:** By promoting ride-sharing and reducing the overall number of cars on the road, carpooling apps contribute to a decrease in air pollution and greenhouse gas emissions, improving air quality and public health.
- **Cost Savings:** Carpooling allows users to share transportation costs, making it an affordable option for many people. This can lead to financial savings and increased access to transportation for those who might not otherwise afford it.
- **Reduced Parking Demand:** Fewer single-occupancy vehicles on the road translate to decreased demand for parking spaces, which can help alleviate parking shortages in urban areas and reduce conflicts over parking.
- **Energy Conservation:** By optimizing vehicle occupancy and routes, carpooling contributes to energy conservation and reduces the need for new infrastructure, such as additional roads and parking lots.
- **Behavioral Change:** Carpooling apps can encourage a shift in commuting behavior, promoting sustainability and eco-conscious decisions among users.

