WeDrive

Ride Sharing For Events

Project Number: 15005722

Games and Machine Learning

Sharon Olshanetsky, Eitan Feigina and Tomer Simantov

Instructor: Dr. Uri Globus





Target groups

Event Organizers

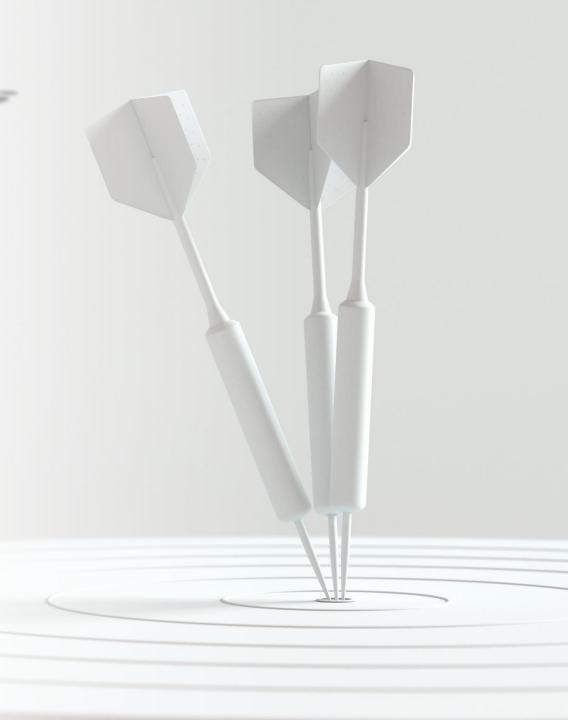
- Guest Attendance: Event organizers often struggle to ensure all invited guests can attend due to transportation issues.
- Coordinating Transportation: Managing transportation logistics can be time-consuming and complex, especially for large events.
- Last-Minute Cancellations: Transportation difficulties can lead to last-minute guest cancellations, disrupting event plans.
- Guest Safety: Organizers are often concerned about guests driving under the influence after an event.
- Event Planning: Event organizers also face the challenge of efficiently planning for the right number of drinks and meals based on guest attendance.



Target groups

Event Attendees

- Drinking and Driving: Events often involve alcohol, creating a dilemma for guests who want to enjoy the event without worrying about driving home safely.
- Costly Transportation: Guests without cars or those who want to drink often face expensive transport solutions.
- Safety Concerns: Current carpool options don't inspire confidence because people are worried about riding with unknown drivers.
- Different Locations: Guests often come from various areas, and even if they know others attending the event, they might live too far apart to share a ride.



The Solution

WeDrive



The Solution

WeDrive Is A Ride Sharing For Events Platform That Allows:



Simplified Ride Coordination: WeDrive connects drivers with empty seats to passengers needing a ride.



Safe Rides: WeDrive ensures that drivers and passengers are from the guest list



Cost-Effective: Reduces cost for both drivers and passengers.



Simple To Use: The event owner just inserts the event details and shares the invitation link with guests.



Increased Attendance: A carpooling solution that helps boost event attendance.

How Does It Work?

Event Owner

 Creates an event and gets a Qrcode to send the guests

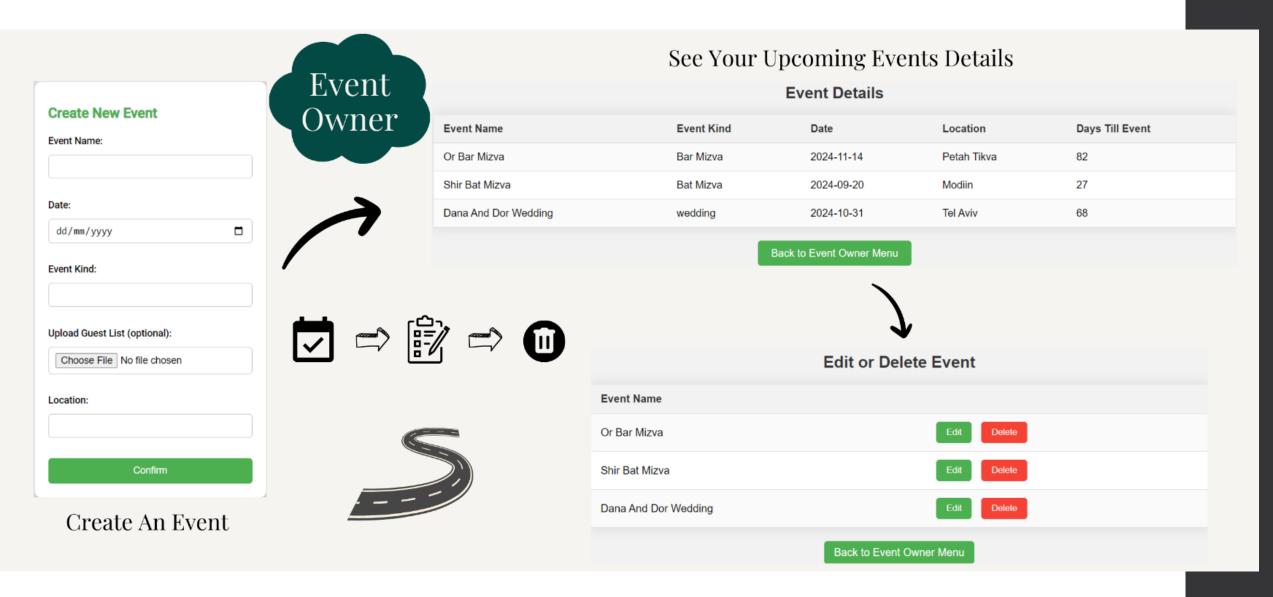
Event Guest

- Scans the Qrcode and choose whether he wants to:
- request a ride
- offer to drive

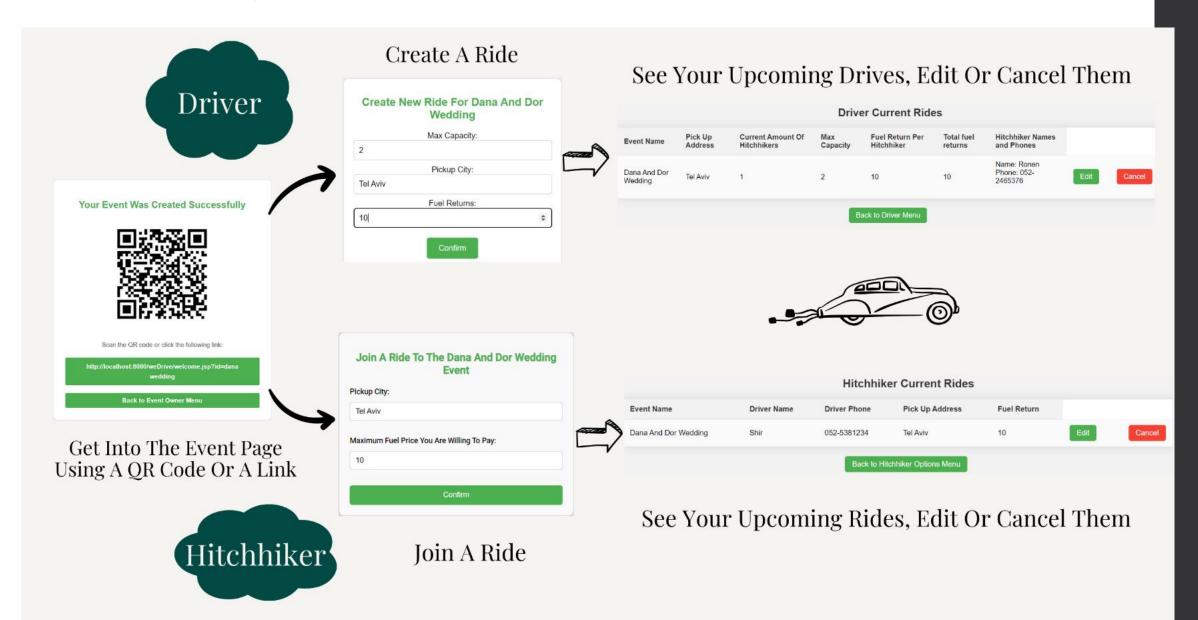
The Match

 WeDrive will then match a driver to a passenger!

Event Owner Process



Event Guest Process



Solution Architecture

Application Logic Layer

Project code written in Java 8 in IntelliJ



Presentation Layer

JSP files create dynamic web pages

Tomcat, Jakarta and Web Servlets to handle HTTP requests



Application Layer

Data And Deployment Layer Zxing decoder API to generate QRCode

OpenStreetMap API for maps and location uses

Amazon AWS Services: RDS, EC2









WeDrive Advantages

Other Existing Solutions:

General Carpool And Transport Apps: Uber, Lyft, Get-Taxi that are focused on general transportation needs

Our Advantages:

Event-Specific Focus

Increased Safety

Seamless Integration

Lower Costs

Revenue Opportunities with WeDrive



Event Booking Sites: Partnering with event booking websites to integrate the service.



Payment Apps: Collaboration with payment apps like bit and paybox for transactions.



Transportation Companies: Providing enhanced listings to transportation companies to offer extra ride choices for event organizers.



Efficient event planning: Helps by ensuring accurate attendance predictions, allowing organizers to better estimate the quantity of food and drinks leading to reduced costs.