



During rush hours, heavy traffic overwhelms city infrastructure and slows down urban mobility in Baku









MilliRide transforms urban transport into a faster, affordable, and ecofriendly experience

➤ Car pooling

An algorithmic approach for optimal destination clustering





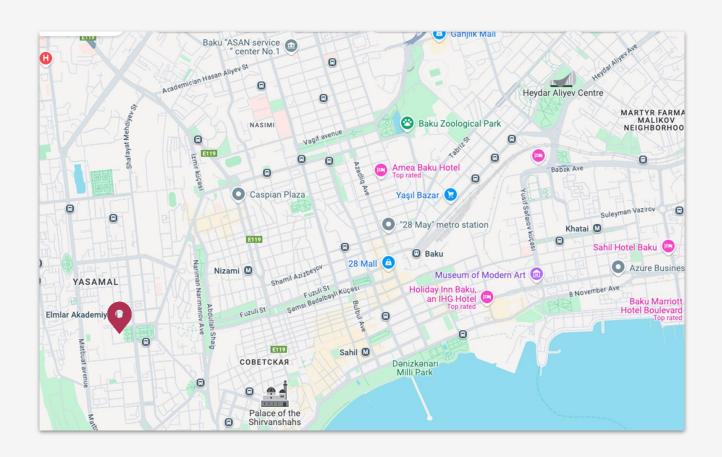
The main question for an effective solution is:

Given a set of passengers with their destinations and drivers,

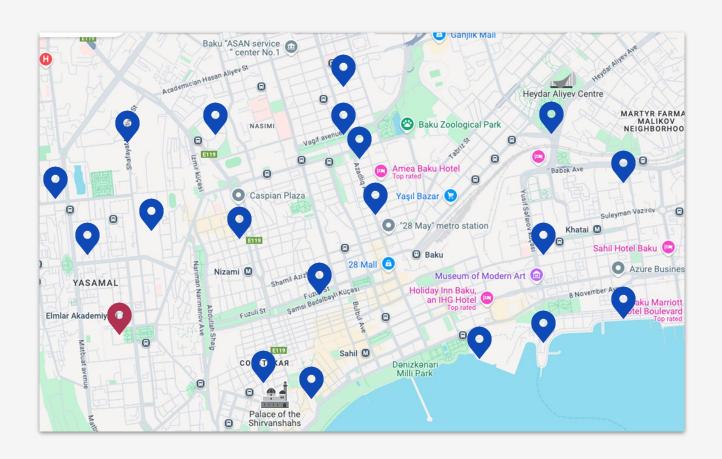
How can we group passengers for each driver so that:

- → Every passenger reaches their destination promptly?
- → Each driver follows the most optimal route to serve their group of passengers?

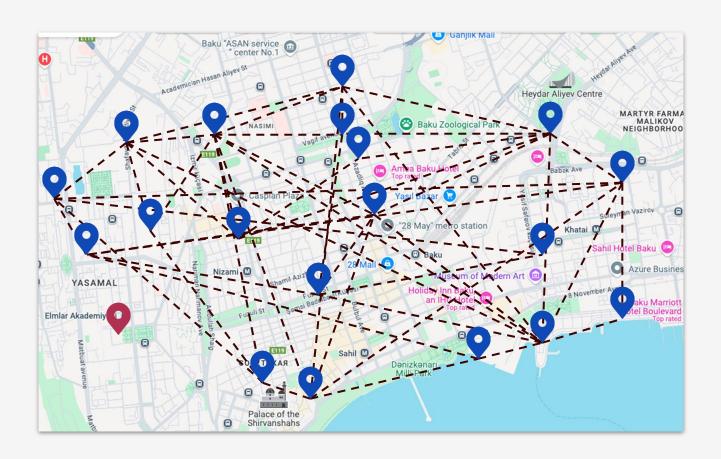




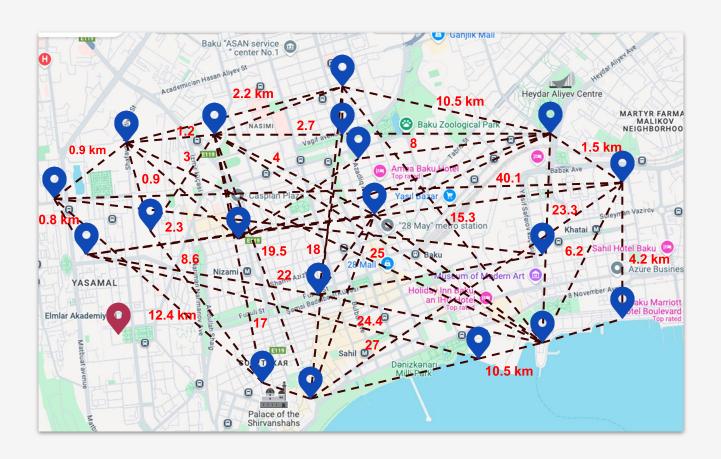




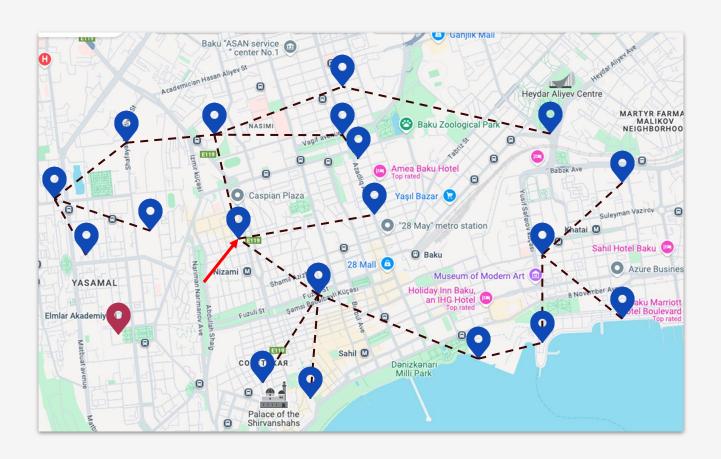




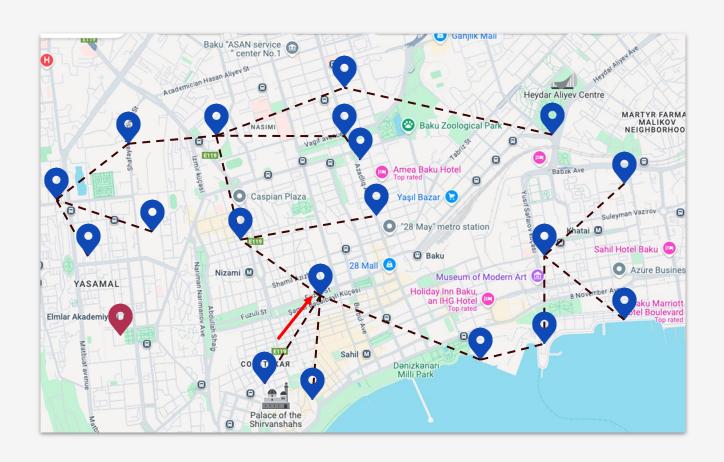




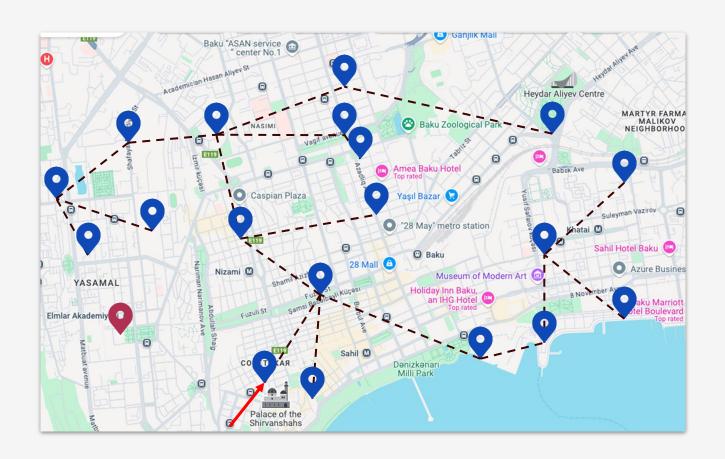




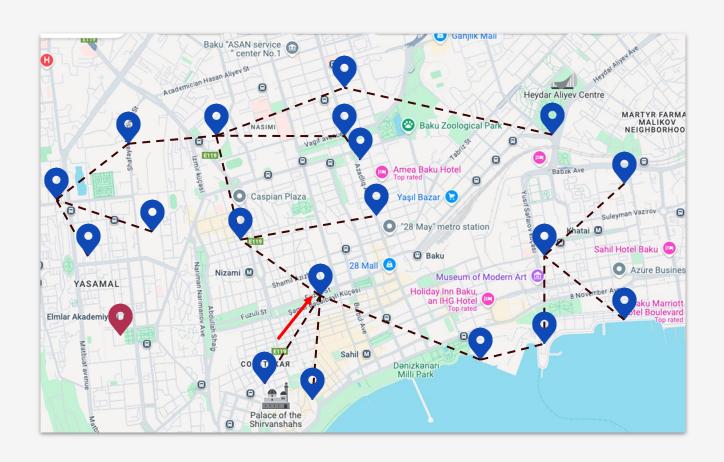




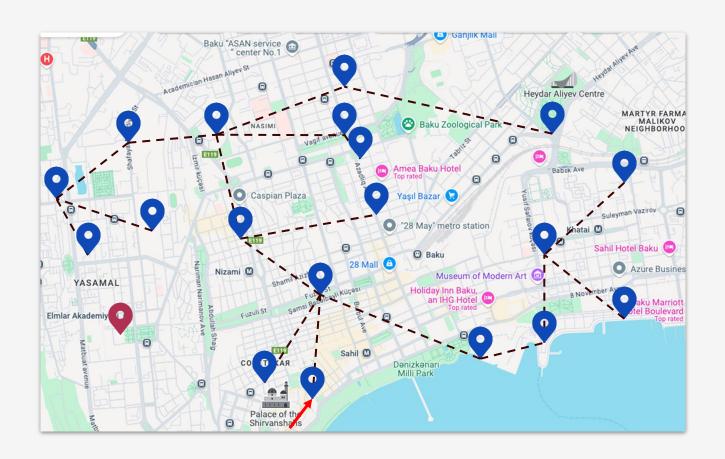




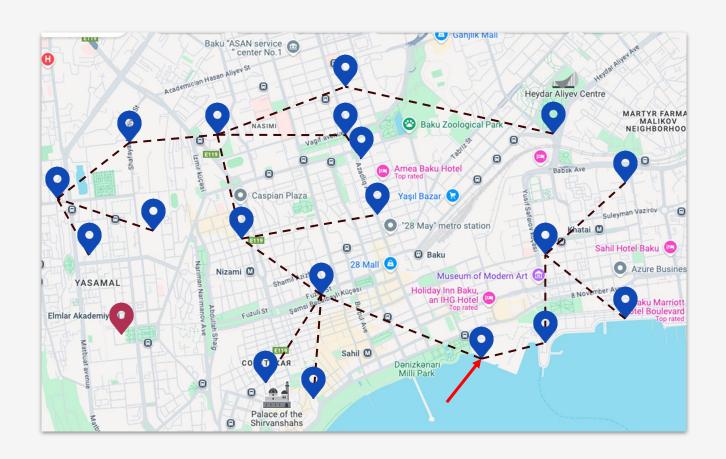




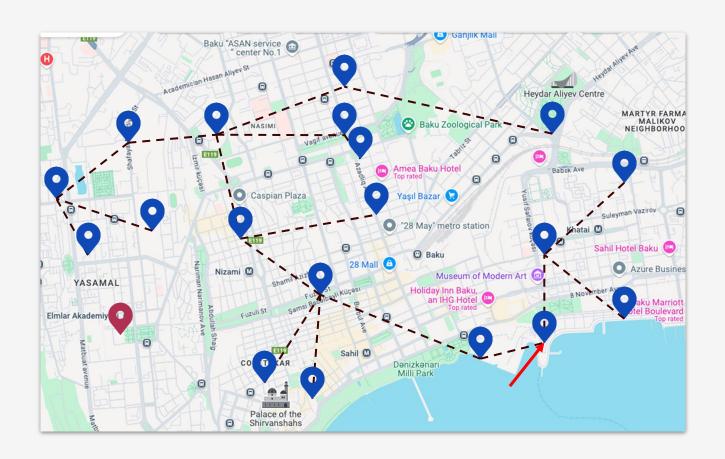




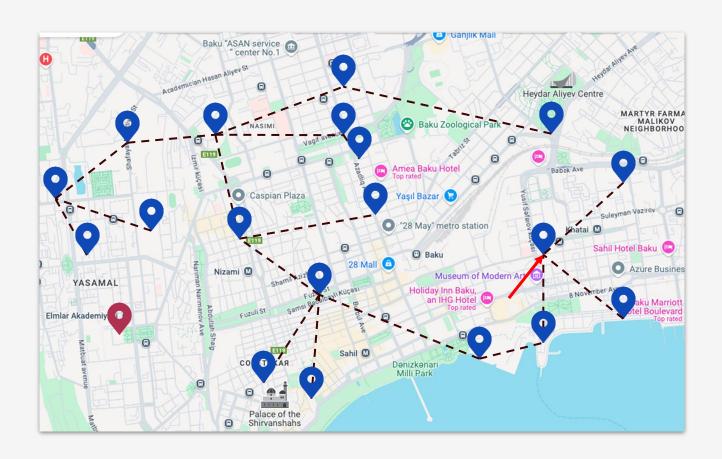




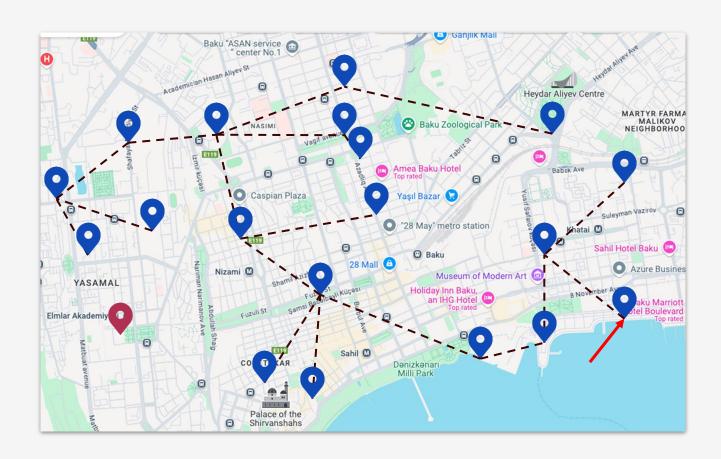




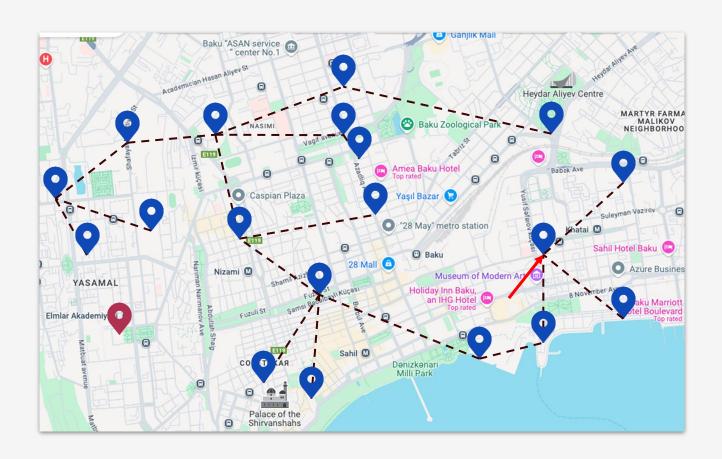




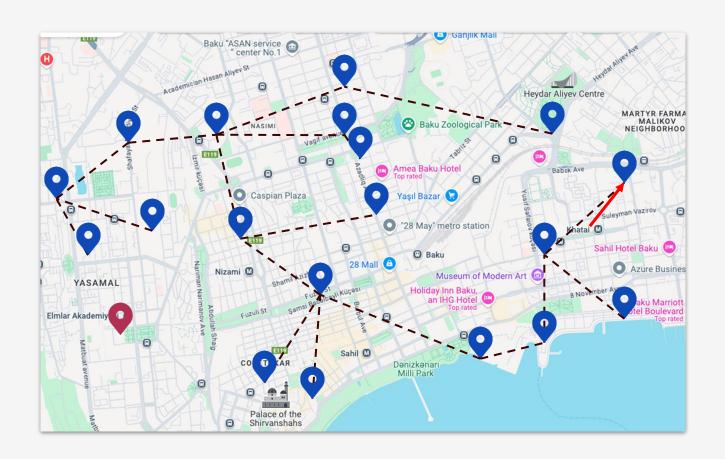




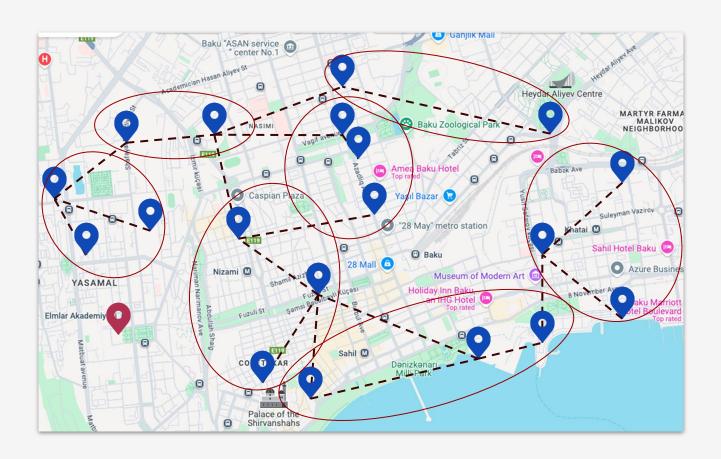




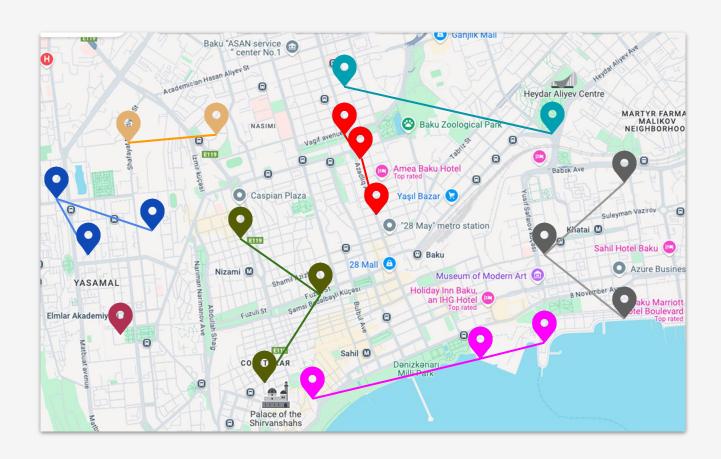




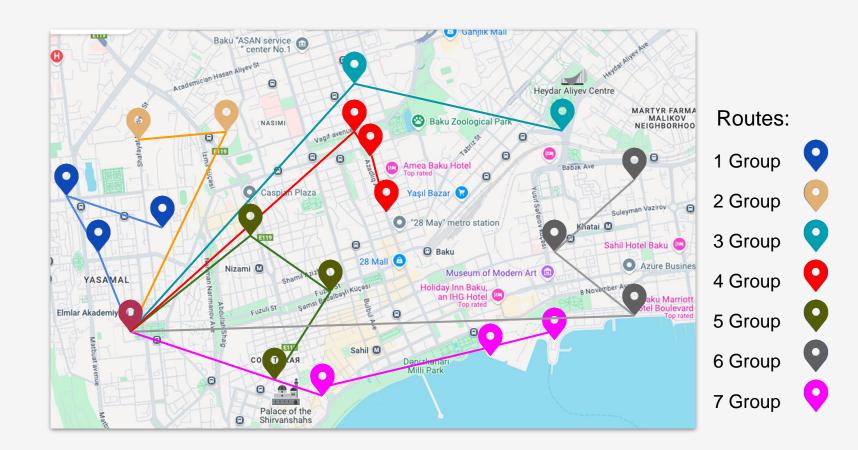










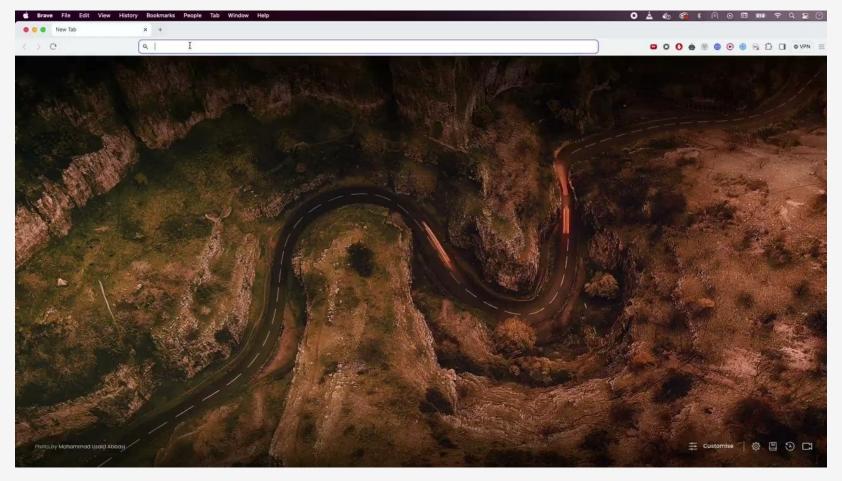




Implementation Demo

Live: https://urbanhack-production.up.railway.app

(For the full experience it is advisable to access from Desktop/Laptop devices)





MilliRide allows passengers enjoy faster, affordable rides home while drivers get more customers per hour





MilliRide transforms transport system in Baku and makes it more...

Efficient

- → reduced traffic flow
- → optimized route usage
- → increased transport capacity

Accessible

- → lowered transport costs citywide
- → decreased wait times for everyone
- → expanded mobility options in all areas

Sustainable

- → reduced fuel consumption
- → reduced emissions from fewer cars
- → extended lifespan of city's transport infrastructure



MilliRide offers scalable solutions for diverse transport use cases across the city

Enables on-demand use case for AYNA



Utilizes minibuses to navigate bus lanes, bypassing traffic congestion

Scalable model adaptable to other cities



Specialized routes can improve access in underserved areas



Meet our Urban Rangers team

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