



BrainWare

# SMART TRANSPORTATION

Driver-centric platform empowering drivers to manage trips, schedules, and earnings.



[GitHub](#)





# PROJECT OBJECTIVES

- Reduce waiting times for passengers.
- Enhance route management for administrators.
- Empower drivers with trip and schedule management.
- Improve passenger experience for booking and managing trips.
- Ensure scalability (web now, cross-platform future).
- Maintain security and reliability of user data.
- Enable safe payment transactions via integrated gateway.



## IN SCOPE

- Trip publishing & booking (drivers & passengers).
- Route & segment management (administrators).
- Driver management (profiles, vehicles, trips, earnings).
- Passenger management (accounts, bookings, travel history).
- Basic payment gateway integration.
- Web app architecture ready for future cross-platform expansion.

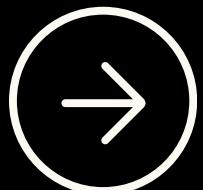
## FUTURE ENHANCEMENTS

- Advanced payment features.
- Data analytics & reporting for administrators.
- Real-time GPS vehicle tracking.
- Mobile app development.
- External traffic/public transport integration.





# PROBLEM STATEMENT



## Inefficient Transportation for Students and Commuters

Traditional transportation systems are slow, unreliable, and lack flexibility, causing long waiting times and inconvenience.

## Limited Driver Control and Income Opportunities

Drivers have little control over trips, schedules, and routes, reducing their ability to earn extra income.

## Fragmented System Management

Administrators, drivers, and passengers operate in disconnected systems, making route management, booking, and payments inefficient.

# OUR SOLUTIONS



## Driver-Centric Platform

Empowers drivers to publish trips, manage schedules, and increase earnings while giving passengers more reliable options.



## Integrated Ecosystem

Connects administrators, drivers, and passengers within a single web-based platform for seamless route management, bookings, and notifications.



## Future-Ready Architecture

Basic payment gateway implemented with plans for cross-platform expansion, advanced payments, and analytics tools.

# DISCOVER OUR SERVICES

## DRIVER & PASSENGER MANAGEMENT

Drivers manage profiles, vehicles, trips, earnings; passengers manage accounts and booking history.

## TRIP PUBLISHING & BOOKING

Drivers publish trips with details (time, route, seats); passengers browse and book.

## ROUTE & SEGMENT MANAGEMENT

Administrators create, edit, and optimize routes and stops.

## PAYMENT GATEWAY

Secure payment integration for trip bookings.  
Using stripe

# KEY COMPETITIVE ADVANTAGES

## Driver Empowerment

Gives drivers control over trips, schedules, and earnings, creating additional income opportunities.

## Cost-Effective & Reliable

Reduces waiting times and improves route efficiency for passengers.

## Integrated Platform

Connects administrators, drivers, and passengers in a single ecosystem for efficient management.

## Scalable & Future-Ready

Web-based system designed for future cross-platform expansion and advanced features.



# MEET THE TEAM

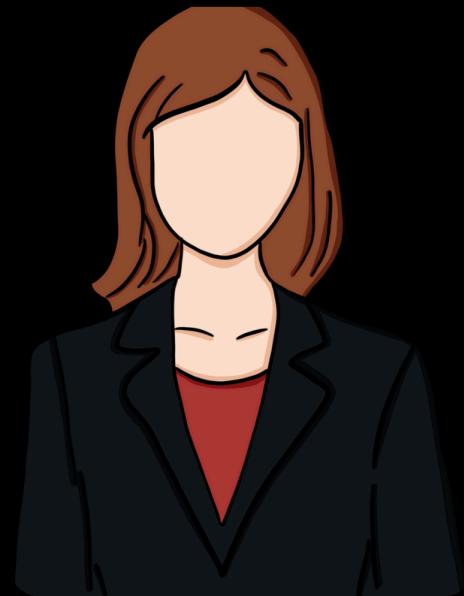
Thank you for your time! Reach out to us for questions.



AHMED  
GABER



USSIF  
EHAB



HAGER  
TAREK



ABDALLAH  
SALAH



MOHAMED  
TAREK



BrainWare

# THANK YOU

for your time and attention

Present by Neil Tran



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