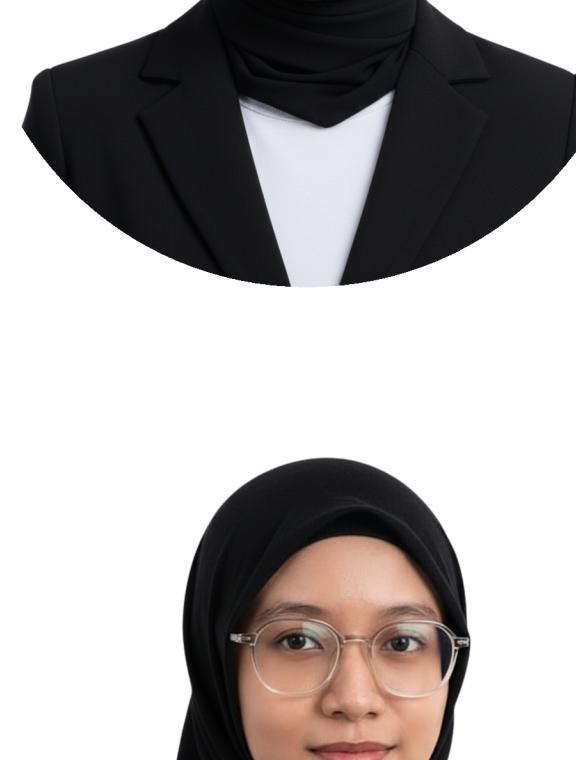


# OKU BOOKING TRANSPORT SYSTEM



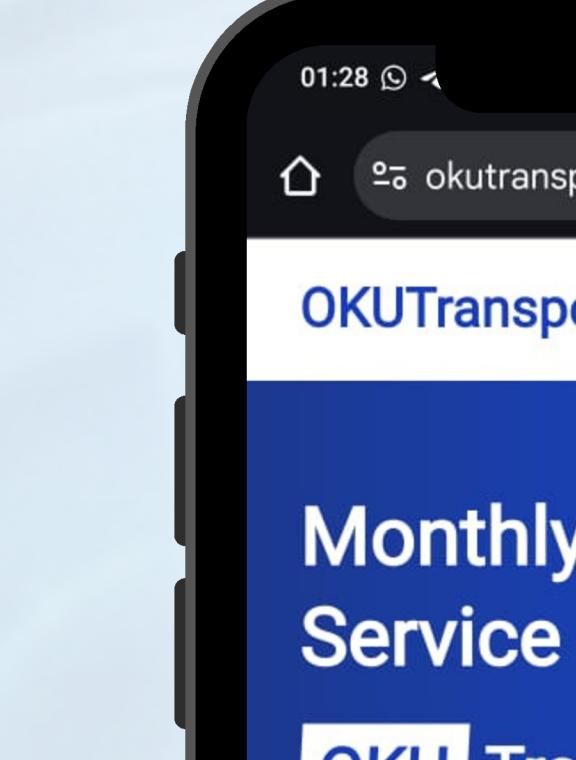
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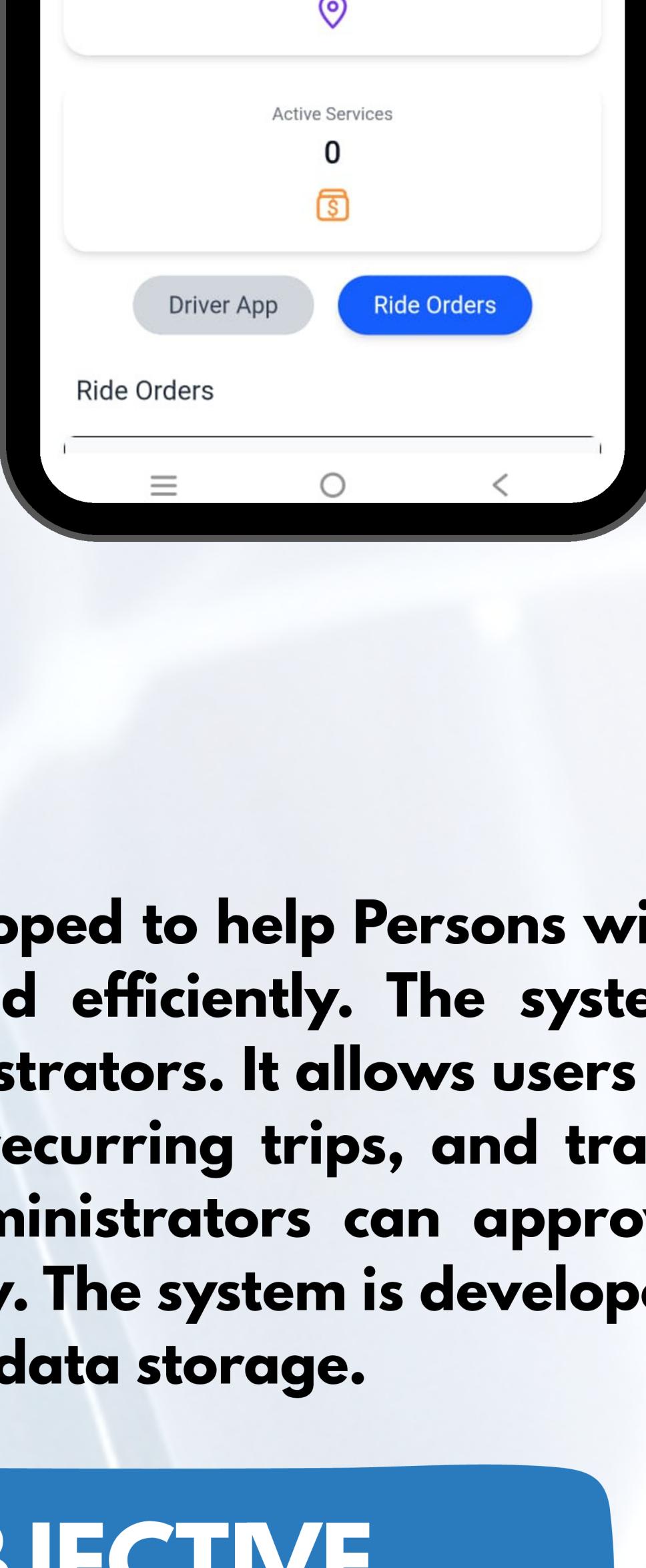
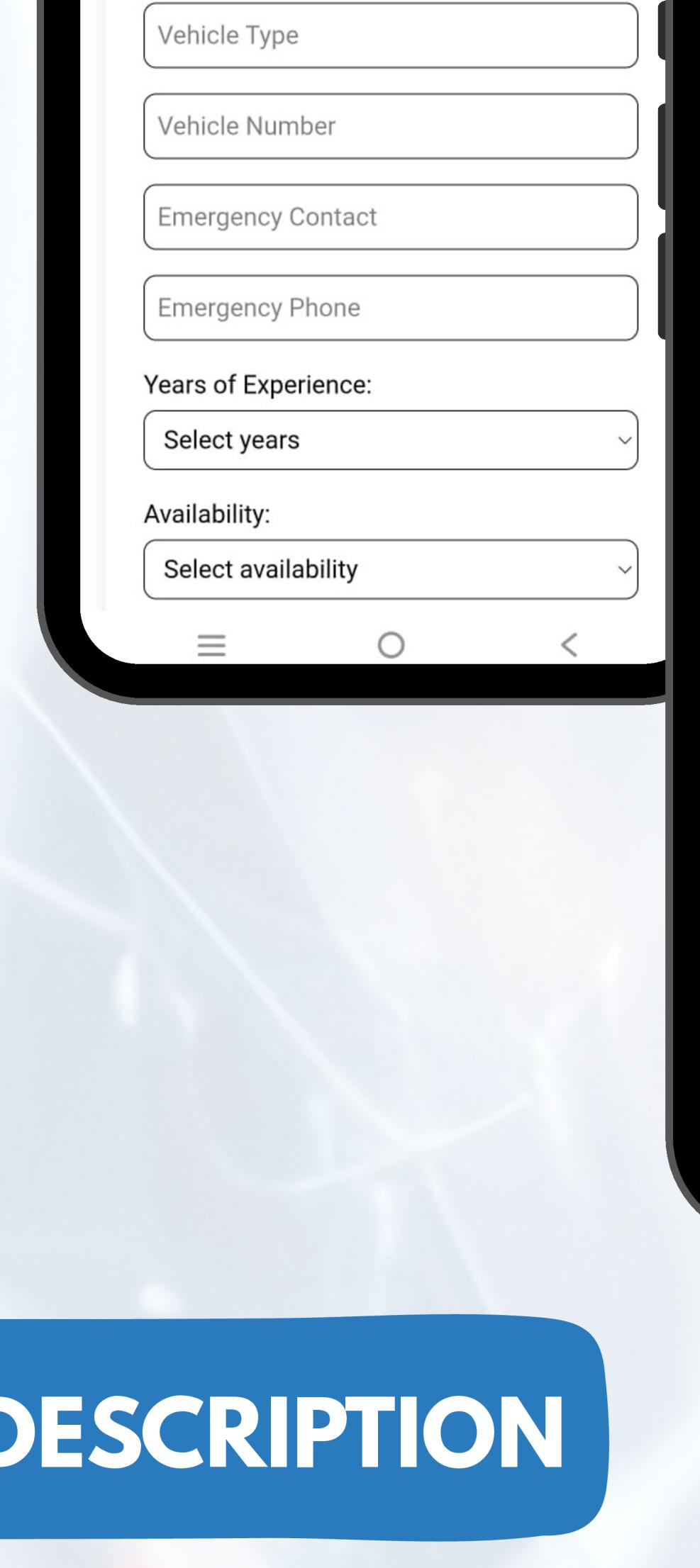
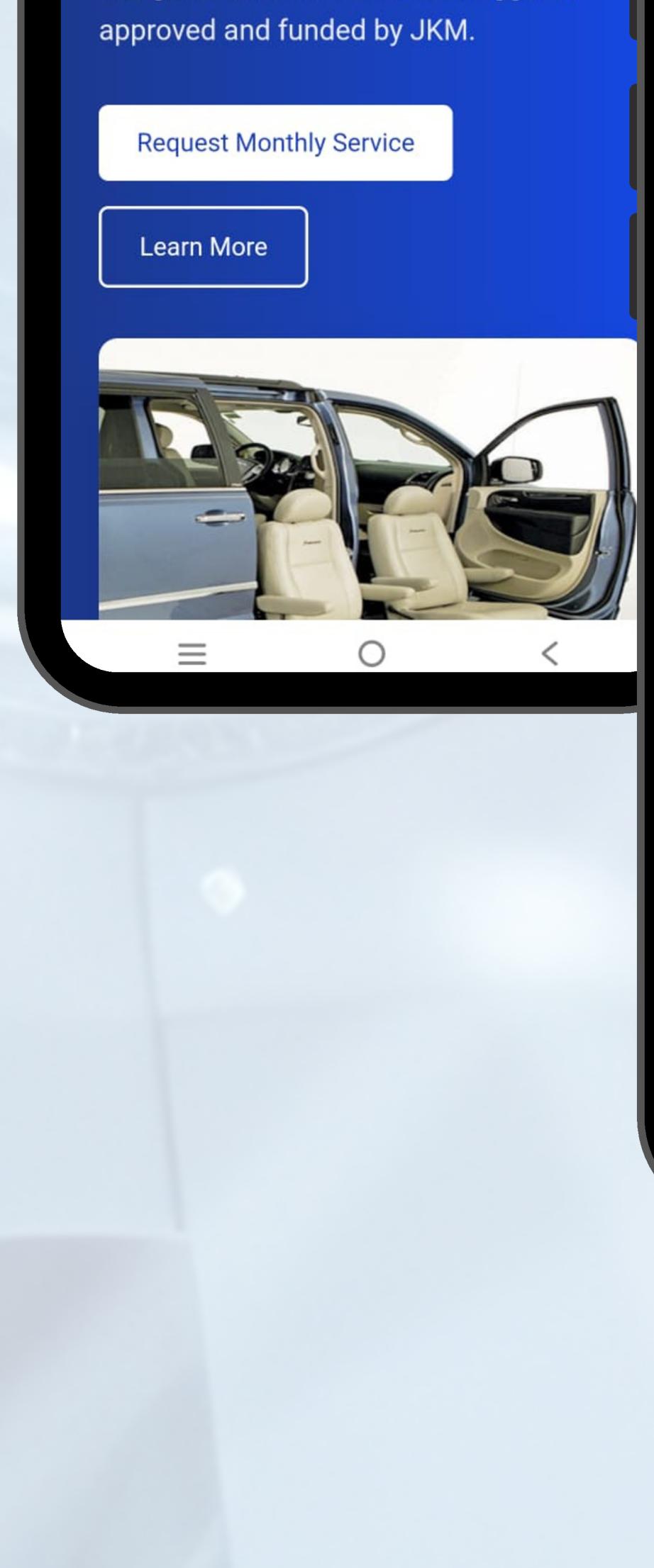
**NOOREMYLIA ERNA BT ABDULLAH @ ISMAIL**  
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## >> PRODUCT DESCRIPTION

The OKU Transport Booking System is an accessible online platform developed to help Persons with Disabilities (OKU) in Kuala Terengganu book transportation easily and efficiently. The system supports three main user roles: OKU passengers, drivers, and JKM administrators. It allows users to register and log in, make ride bookings with accessibility options, set recurring trips, and track drivers in real time using GPS with estimated arrival times. JKM administrators can approve drivers, manage bookings, and monitor service quality to ensure reliability. The system is developed using React.js for the user interface, PHP for backend APIs, and MySQL for data storage.

## >> PROBLEM & CAUSES

Persons with Disabilities (OKU) struggle to find transport that meets their accessibility needs, such as wheelchair access or mobility support. Communication issues during booking often lead to mismatches or cancellations, while the lack of real-time tracking causes anxiety. Administrative monitoring is fragmented, and current ride-hailing services rarely ensure OKU-friendly or government-supervised options.

## >> BENEFIT

- Provides OKU users with safe, convenient, and accessible transport options.
- Enhances independence through real-time GPS tracking and reliable booking features.
- Improves communication between passengers, drivers, and administrators for smoother coordination.

## >> OBJECTIVE

- Develop an accessible transport booking system for OKU passengers to book rides easily and independently.
- Provide real-time GPS tracking with estimated time of arrival (ETA) updates.
- Enable vehicle selection based on accessibility needs.
- Offer a mobile interface for drivers to manage ride requests efficiently.
- Include an admin dashboard to oversee users, bookings, and driver registrations.
- Store booking histories for transparency and service tracking.

## >> METHODOLOGY & MATERIAL



## >> MARKET OPPORTUNITY

There are few transport platforms that ensure accessibility, transparency, and government oversight. This system stands out with OKU-focused features, JKM management, and monthly service control. It also has potential to grow with online payments, multi-language support, and wider coverage in the future.

## >> CONCLUSION

The system fills the gap in accessible transport with OKU-focused features and JKM oversight. It ensures safe, reliable, and transparent services while promoting independence for OKU users. Future expansion includes online payments, multi-language support, and wider regional coverage.

## >> IMPACTS

- | <u>Current:</u>   | <u>After:</u>   |
|---|---|
| <ul style="list-style-type: none"> <li>Manual booking, slow response</li> <li>Unclear schedule</li> <li>Limited OKU accessibility</li> <li>No data or trip security</li> <li>Difficult to verify driver identity</li> </ul> | <ul style="list-style-type: none"> <li>Easy booking online</li> <li>Fast confirmation &amp; tracking</li> <li>Various OKU accessibility</li> <li>Verified drivers for safer rides</li> <li>Better interaction between users and admins</li> </ul> |