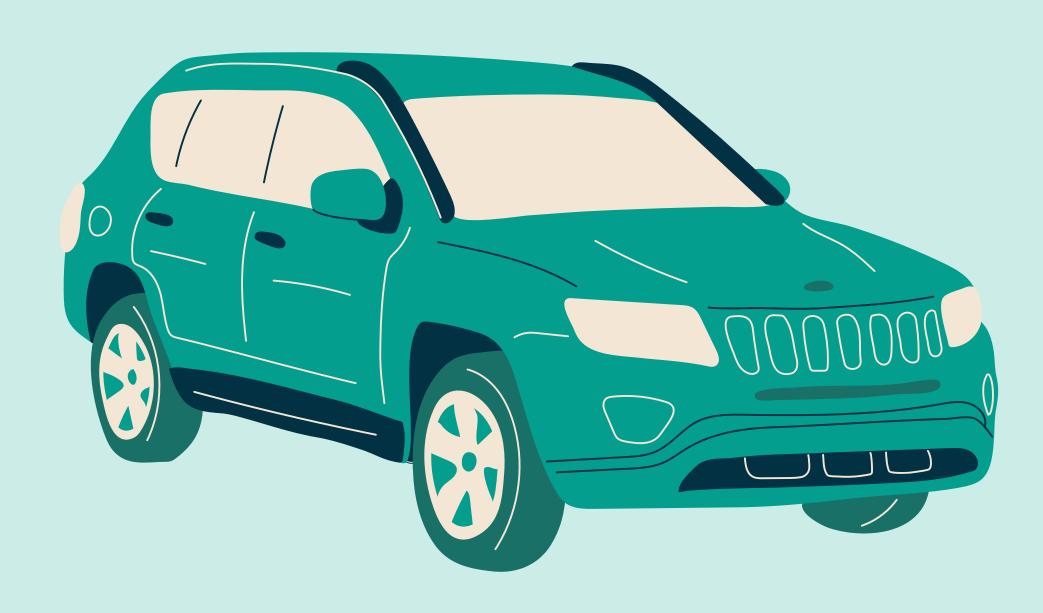# Could you carpool?

IBA Carpool App – Streamlining Commuting for IBA Students

INSTRUCTOR: Dr. Imran
ABAAN NOOR 24911
SAAD THAPLAWALA 27172
SAMEED AHMED 26956

About IBA Carpool App

Objective:

- Provide a secure and efficient carpooling system for IBA students

Purpose:

- Simplify commutes, foster connections, and promote eco-friendly transportation

Scope:

- Web-based platform focused on user registration, ride management, and secure interactions

Key Features

Login & Signup System

Forgot Password

Vehicle Information

Additional fields for car owners (license plate, driving license)

Empty field validation for all inputs

Integer-only fields for ERP, contact, and driving license.

Forgot Password Screen

Functionality:
- Allows users to securely reset their passwords.
- Ensures new password and confirmation match.

Validation:
- Displays error if passwords don't match.
- Successful password reset redirects to the login screen.

User Experience:
- Simple and intuitive interface.
- Immediate feedback for errors or success.

User Flow

Sign-Up:
- New users register and validate credentials.

Login:
- Validates input and grants access.

Forgot Password:
- Resets credentials in case of forgotten password.

Car Owner vs. Non-Car Owner:
- Dropdown decides the visibility of additional vehicle-related fields.
- Non-car owners proceed without additional input.

Technologies Used

Frontend:
- React.js for dynamic user interface.
- CSS for styling and responsive design.

Routing:
- React Router for navigation.

Validation:
- JavaScript (regex for email validation, error handling).

State Management:
- React useState hooks for form inputs and validation feedback.

Q & A