LOVELY PROFESSIONAL UNIVERSITY

Project name: Bus and Cab Booking

Course code: INT219
Course Name: Front End Web Developer

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1. Introduction to the Website

The Online Cab Booking System is a web-based application designed to simplify and automate the process of booking cabs. Built using PHP for backend processing and Tailwind CSS for the frontend design, the system provides a clean, responsive, and user-friendly interface for users to register, log in, book cabs, and contact the service provider.

The application is intended to function in a local server environment using tools like XAMPP. It allows users to seamlessly interact with the system through dedicated forms for booking and communication, eliminating the traditional phone-call-based cab reservations. The platform is

especially useful for small-scale service providers or academic demonstrations of online service automation.

This document outlines the features, requirements, and design specifications for the system and serves as a guide for development, testing, and future enhancement.

1.1 Purpose

The Online Cab Booking System provides a streamlined platform for users to book cabs through a responsive web interface. The current version focuses on core functionalities and operates in a local environment using PHP and Tailwind CSS.

Key features within scope:

User Registration and Login through dedicated forms

Cab Booking with user input for pickup location, date, and vehicle type

Contact Form for sending queries or feedback

Clean, responsive UI developed using Tailwind CSS

Deployment and testing using XAMPP (localhost)

1.2 Scope

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1.3 Definitions, Acronyms, and Abbreviations

Term *Definition*

PHP *Hypertext Preprocessor – A server-side scripting language used for web development.*

UI *User Interface – The visual elements through which a user interacts with the system.*

CSS *Cascading Style Sheets – A style sheet language used for describing the look of a document.*

TAILWIND CSS *A utility-first CSS framework for rapidly building modern and responsive user interfaces.*

HTML *HyperText Markup Language – Standard language for creating web pages.*

XAMPP *A free and open-source cross-platform web server solution package (Apache, MySQL, PHP, Perl).*

LOCALHOST *Refers to the local machine/server where the application is hosted during development..*

1.4 References

1. ***PHP OFFICIAL DOCUMENTATION***

https://www.php.net

Used for understanding PHP syntax, functions, and backend implementation.

2. ***TAILWIND CSS DOCUMENTATION***

https://tailwindcss.com/docs

Referenced for designing a responsive and modern user interface.

3. ***W3SCHOOLS***

https://www.w3schools.com

Used for basic HTML, CSS, and PHP tutorials.

4. ***STACK OVERFLOW***

https://stackoverflow.com

Used to resolve coding issues and bugs during development.

5. ***XAMPP DOCUMENTATION***

https://www.apachefriends.org

Referenced for local server setup and configuration.

1.5 Overview

*The **Online Cab Booking System** is a simple yet functional web application built using **PHP** for server-side scripting and **Tailwind CSS** for modern, responsive design. It allows users to register, log in, book cabs, and send messages via a contact form. The project was designed to run on a local server environment like **XAMPP**, making it ideal for academic demonstration or small-scale deployment.*

Key Components of the Website:

- ***Account1.php***
  - ***Purpose****: User registration page*
  - ***Features****: Input fields for name, username, password, and contact details*
  - ***Design****: Styled with Tailwind CSS for responsiveness*
- ***Account.php***
  - ***Purpose****: User login page*
  - ***Features****: Input for username and password*
  - ***Functionality****: PHP-based authentication system (simple validation)*
- ***book now1.php***
  - ***Purpose****: Cab booking form*
  - ***Features****: Allows users to select pickup location, drop location, car type, and date*
  - ***Output****: Confirmation of entered booking details*
- ***contact.php***
  - ***Purpose****: Contact or feedback form*
  - ***Features****: Users can submit their name, email, subject, and message*
  - ***Design****: Clean layout using Tailwind CSS*

Styling and Responsiveness:

- *The use of **Tailwind CSS** makes the entire website mobile-friendly and visually appealing.*
- *Utility classes like bg-gray-100, text-center, rounded-lg, and hover: effects are applied for better user experience.*

Functionality:

- *All user inputs are processed via PHP.*
- *Each page contains proper form handling to collect user data (though currently not stored in a database).*
- *Ideal for local testing, learning PHP, and understanding form-based workflows.*

This project represents a foundational cab booking system and can be expanded to include advanced features like login sessions, database integration, payment gateways, and admin panels.

2. General Description

2.1 Product Perspective

The Online Cab Booking System is a standalone web-based application that automates the cab reservation process. It functions in a local environment (XAMPP) without any third-party integrations. The product is structured using PHP for backend operations and Tailwind CSS for frontend design.

2.2 Product Functions

User Registration and Login (Account1.php, Account.php)
Cab Booking with pickup/drop locations, date, and vehicle type (book now1.php)
*Contact Form for queries or feedback (contact.php)*2.3 User Characteristics

2.3 User Characteristics

Basic computer and internet knowledge required

Familiarity with form-based web interactions

No need for technical expertise to use the platform

2.4 General Constraints

Runs only in a local server setup (XAMPP)

No database integration (all form data is processed but not stored)

No real-time tracking or live vehicle updates

2.5 Assumptions and Dependencies

Tailwind CSS must be properly linked for UI styling

Requires a PHP-supported environment like XAMPP or WAMP

Browser compatibility assumed (Chrome, Firefox, etc.)

3. Specific Requirements

3.1 External Interface Requirements

3.1.1 User Interfaces

UI-1: *Account1.php* — User registration interface using HTML form and styled with Tailwind CSS. Allows users to input Name, Username, Password, and Contact Info.

UI-2: *Account.php* — Login page where users enter credentials.

UI-3: *Book now1.php* — Booking form to capture pickup/drop locations, car type, and booking date.

UI-4: *Contact.php* — Contact form for users to submit messages or feedback.

3.1.2 Hardware Interfaces

HW-1: Requires a computer or laptop with a modern web browser.

HW-2: Operates within the XAMPP environment using local Apache server.

3.1.3 Software Interfaces

SW-1: PHP (server-side scripting)

SW-2: HTML for layout
SW-3: Tailwind CSS for UI design

3.1.4 Communications Interfaces

COM-1: No external communication APIs used.
COM-2: Local-only interaction via forms.

3.2 Functional Requirements

3.2.1 User Account Management

3.2.1.1 Introduction

This feature allows new users to register and existing users to log in.

3.2.1.2 Inputs

Registration: Name, Username, Password, Contact Info
Login: Username, Password

3.2.1.3 Processing

Form validation using PHP.
Upon submission, inputs are processed locally.
No backend database currently stores user credentials.

3.2.1.4 Outputs

Successful registration or login confirmation message.
Redirect to booking page after login.

3.2.1.5 Error Handling

Displays error messages for:
Missing or empty form fields
Invalid login credentials

3.2.2 Functional Requirement

Cab Booking

3.2.2.1 Introduction

Allows users to book a cab by providing trip details.

3.2.2.2 Inputs

Pickup Location
Drop-off Location
Booking Date
No of passenger

3.2.2.3 Processing
Inputs are captured via HTML form.
PHP script processes the form and validates data.

3.2.2.4 Outputs
Booking confirmation message with submitted details.

3.2.2.5 Error Handling
Alerts for missing fields or incorrect date format.

3.2.3 Contact Submission

3.2.3.1 Introduction
Allows users to contact support or leave feedback.

3.2.3.2 Inputs
Name
Email
Subject
Message

3.2.3.3 Processing
Form data is validated and processed by PHP.

3.2.3.4 Outputs
Success message confirming the message has been sent.

3.2.3.5 Error Handling
Form highlights empty fields or invalid email format.

3.5 Non-Functional Requirements

3.5.1 Performance

The system must load each page within **2 seconds** when accessed in a local XAMPP environment.

Forms should submit and respond within **1–2 seconds** under normal operating conditions.

3.5.2 Reliability

The system must operate reliably during testing sessions without crashing or producing unexpected errors.

All core functionalities (registration, login, booking, contact form) must work **consistently** every time they are used

3.5.3 Availability

The system should be available **24/7** on the local host server as long as XAMPP is running.

No scheduled downtime unless the local server is stopped manually.

3.5.4 Security

Basic validation is implemented for all user inputs to prevent empty or incorrect data.

Note: Passwords are stored/validated in plain text; **password hashing is recommended** for future improvement (e.g., using PHP password_hash()).

No SQL injection or XSS protection is currently implemented due to lack of database.

3.5.5 Maintainability

The codebase is modular and commented for easy understanding and modification.

All UI elements use **Tailwind CSS**, making it simple to modify styling without deep changes to HTML or PHP logic

3.5.6 Portability

The system is designed for **local deployment** using XAMPP but can be **ported to any web server** that supports PHP (e.g., 000Webhost, InfinityFree).

Tailwind CSS and PHP are cross-platform technologies, ensuring flexibility in deployment.

3.7 Design Constraints

3.7.1 Programming Language and Technologies

*The backend must be developed **only using PHP**.*
*The frontend must use **HTML** and **Tailwind CSS** for layout and responsiveness.*

3.7.2 Platform Limitations

*The application is designed to run strictly on a **local environment** using **XAMPP**.*
No support for deployment on cloud servers or mobile platforms in this version.

3.7.3 No Database Integration

No use of MySQL or other databases is included in this scope.
*All data processing is **session-based or temporary**.*

3.7.4 No JavaScript or AJAX

No client-side scripting (like JavaScript or AJAX) is used in the current version.

*All logic and form processing are handled through **PHP postbacks**.*

3.9 Other Requirements

3.9.1 Offline Functionality

The system must run completely offline via **localhost**, requiring no internet connection once XAMPP is set up.

3.9.2 Simplicity and Usability

The interface must be **simple and intuitive**, allowing first-time users to navigate without guidance.

All pages should be clean and use consistent design patterns through Tailwind CSS.

3.9.3 Modifiability

Developers should be able to **easily modify** forms, layouts, and logic due to **well-structured code** and clear separation of concerns.

4. Conclusion

The Online Cab Booking System is a lightweight, web-based application designed for users to easily register, log in, book cabs, and contact service providers through a simple interface. Built using **PHP** and **Tailwind CSS**, it demonstrates core functionalities without relying on external APIs or databases, making it ideal for **academic projects**, **local testing**, and **prototyping**.

Key Takeaways:

- Fully functional on **localhost (XAMPP)** environment
- Simple and responsive UI using **Tailwind CSS**
- Covers essential features: **User Account**, **Cab Booking**, **Contact Form**
- Easily extendable for future upgrades like database integration, real-time tracking, or online deployment

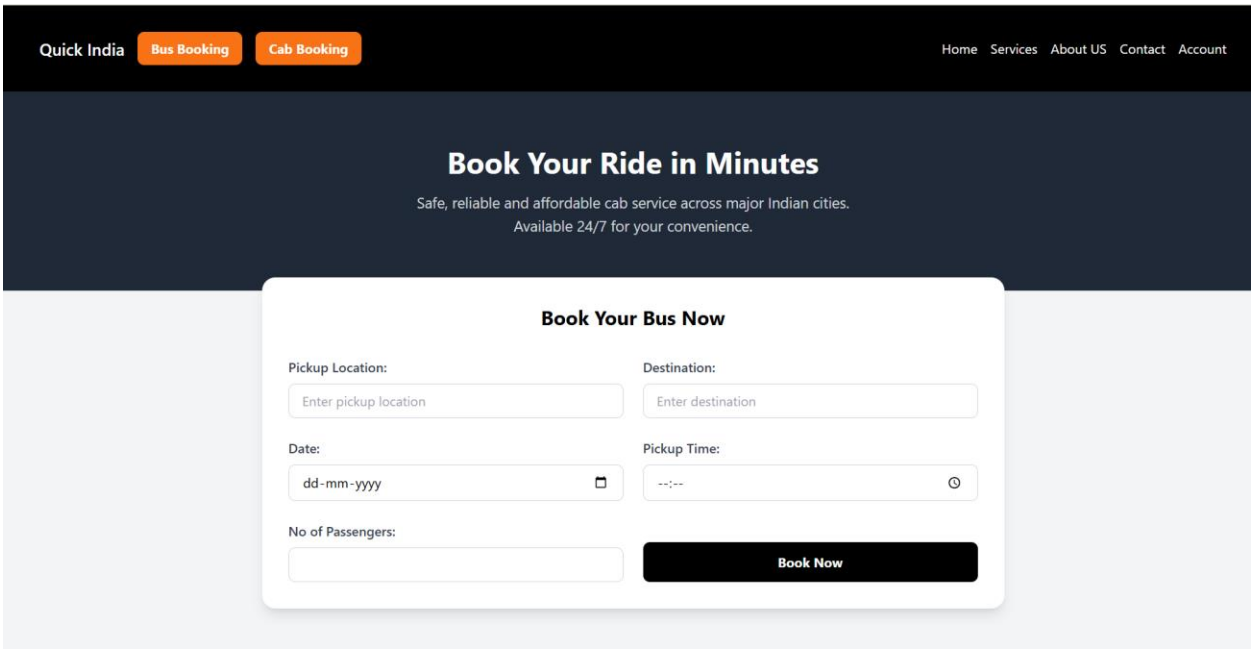
This project highlights how modern web tools can be combined with PHP to create intuitive and efficient web applications for real-world use cases.

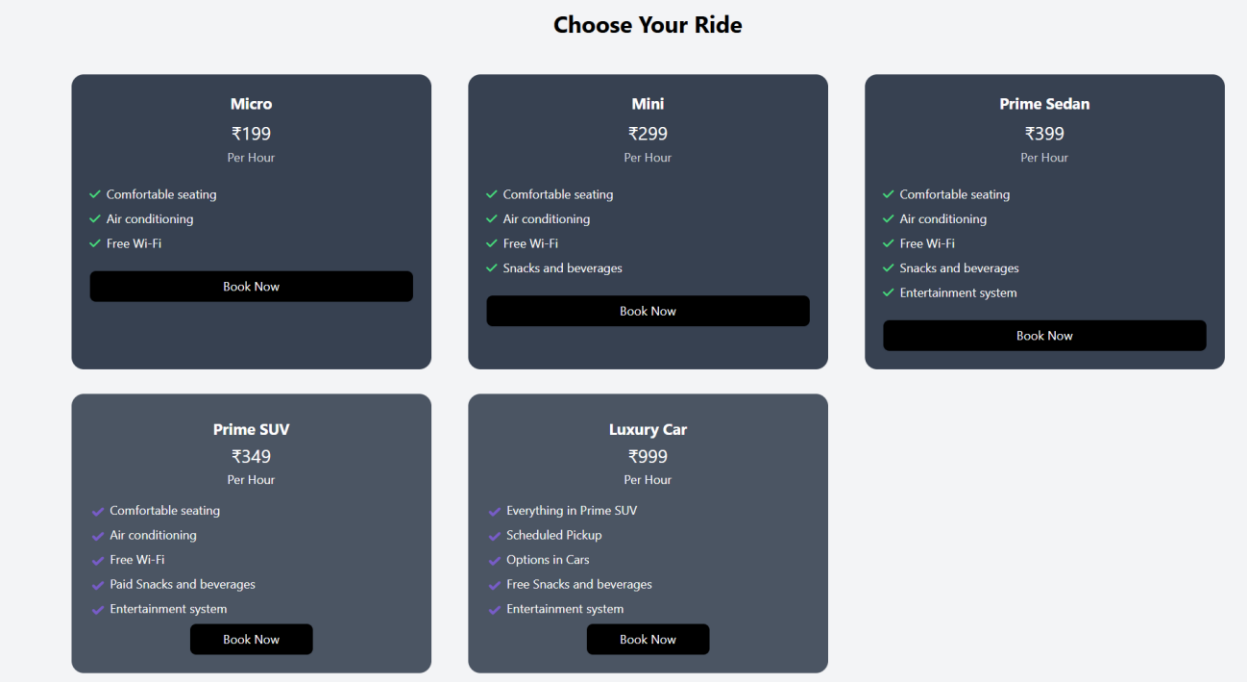
PROJECT Repository: https://github.com/kashyapkush52/Quick-india

Project Name

Instagram video Link:
https://www.instagram.com/reel/DIZR2akyQ0W/?igsh=NzJxY2hhMWxsMHRh

SCREENSHOT

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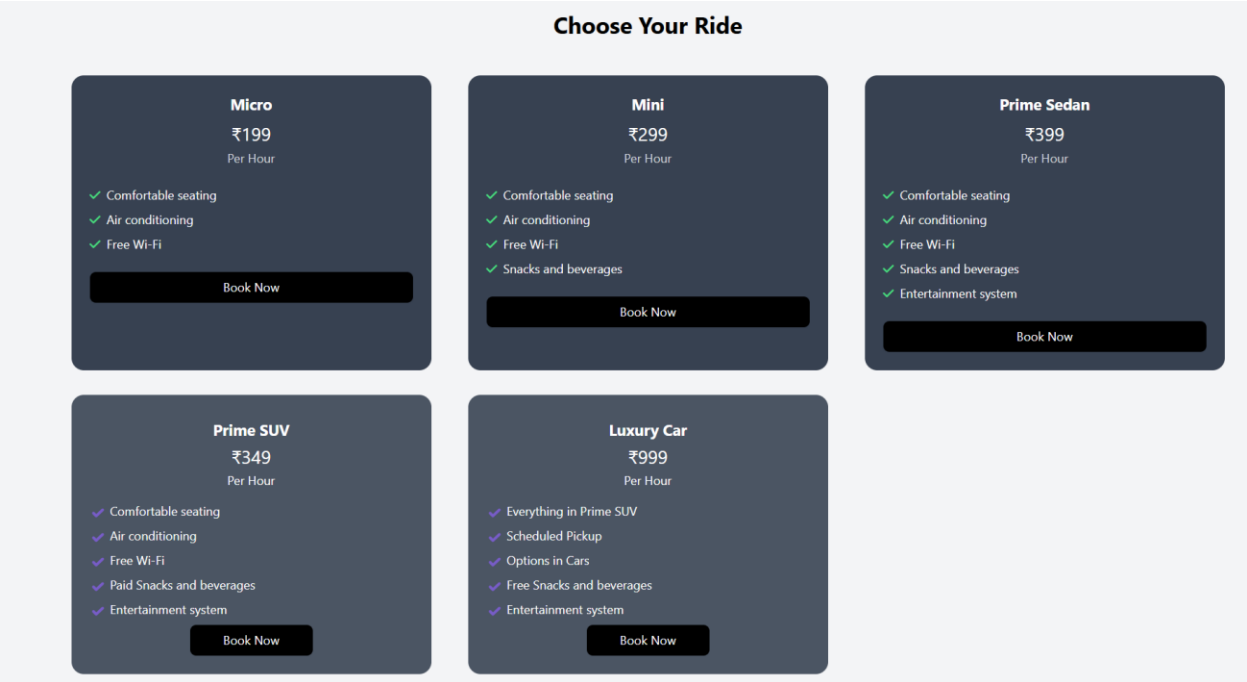
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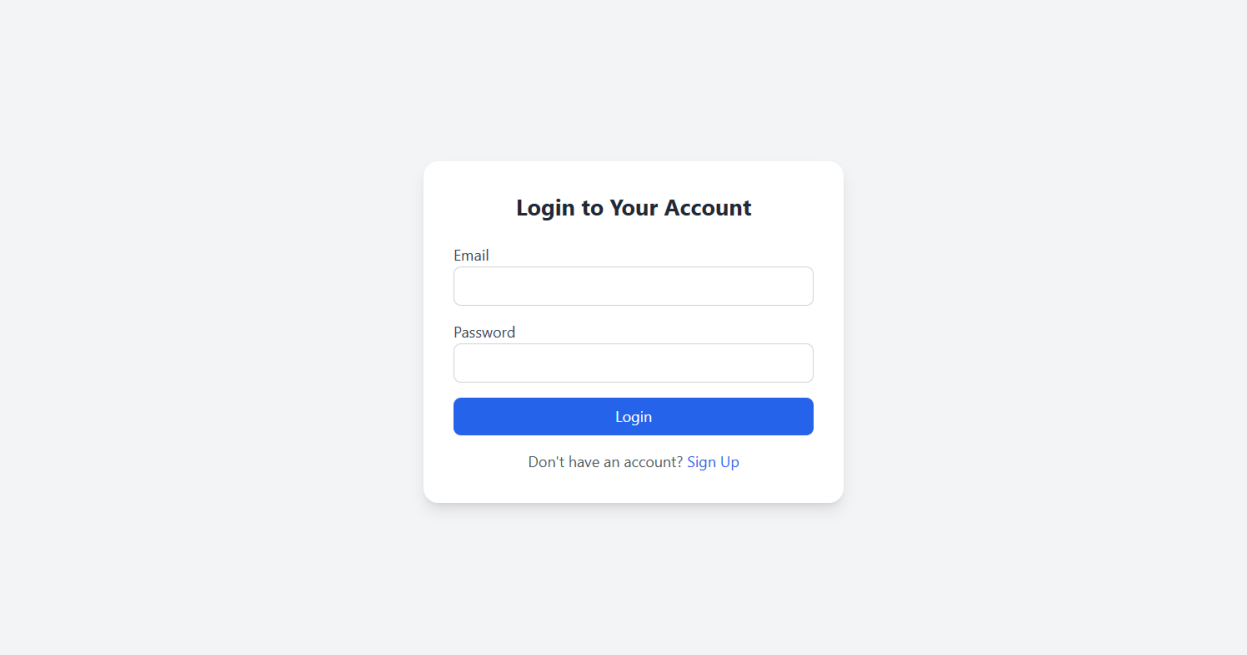
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Login
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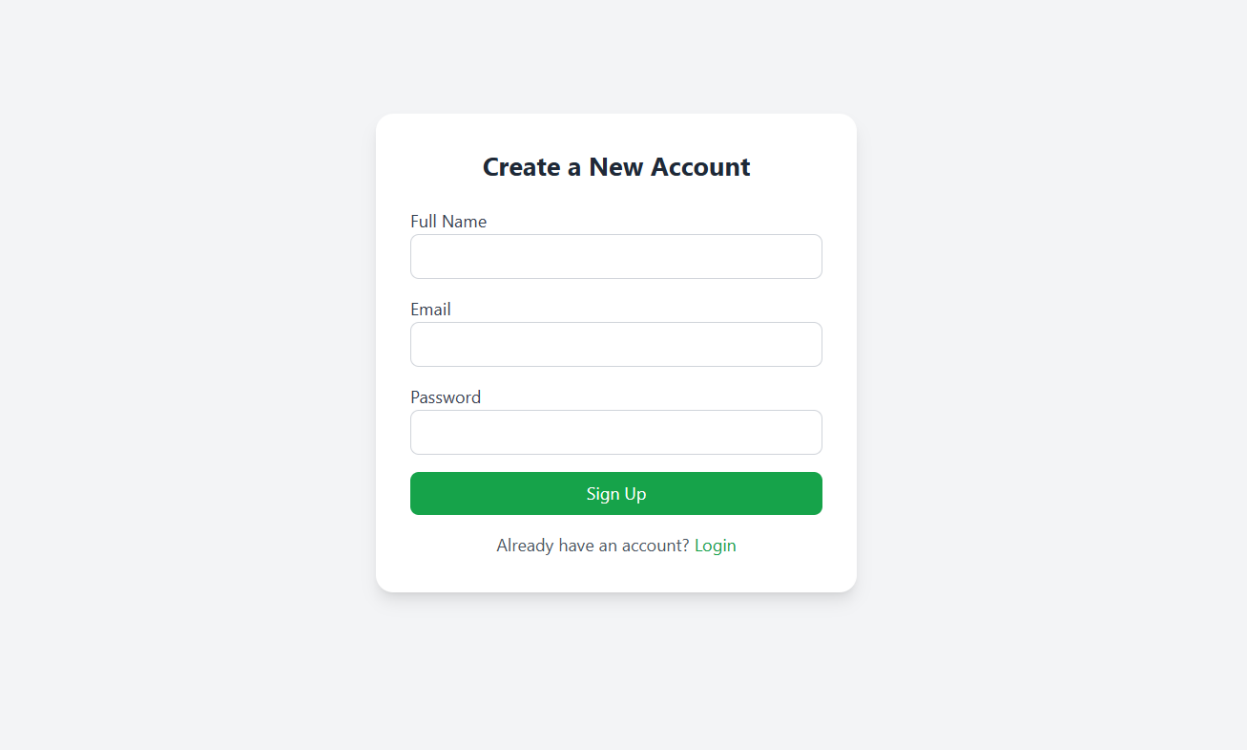
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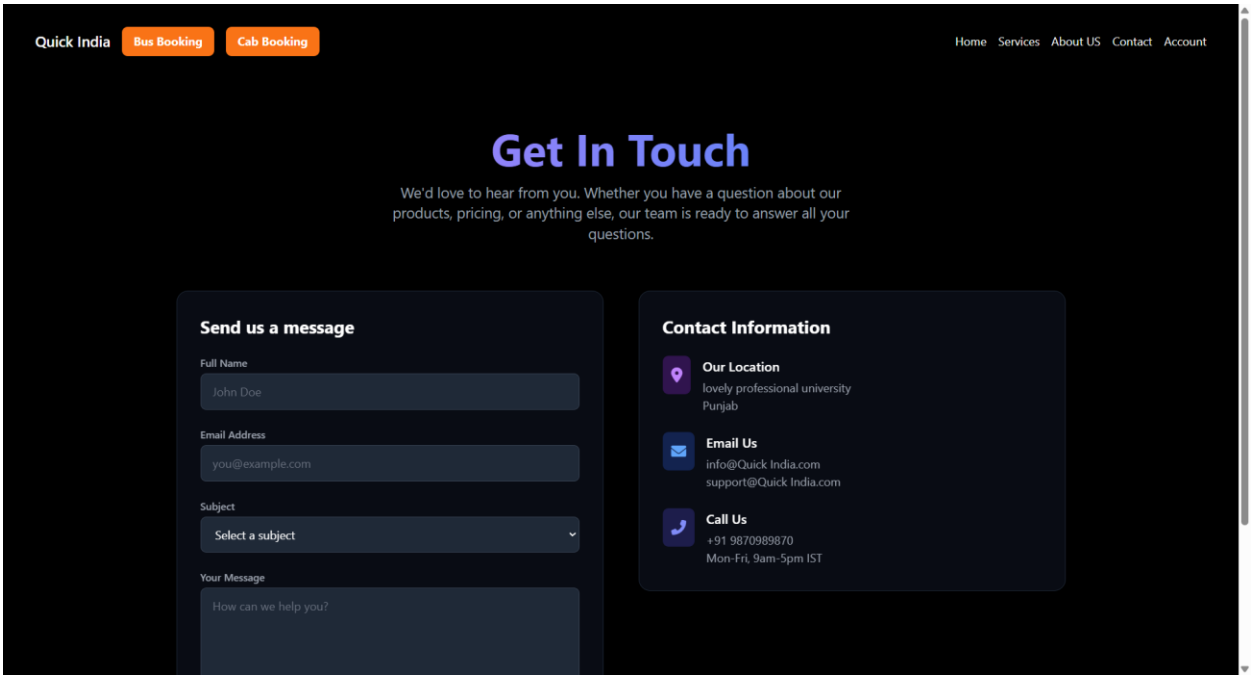
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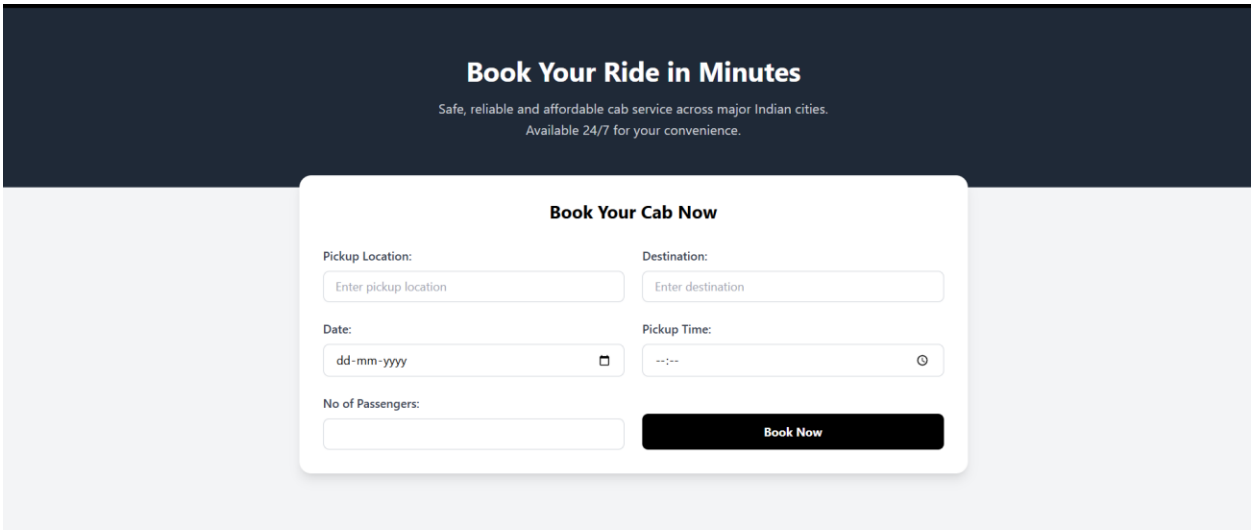
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