


Design and Implementation of “My Trip Bus “ Website

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Plan



Introduction



Objectives



Related work



The details of the website



Video



Conclusion

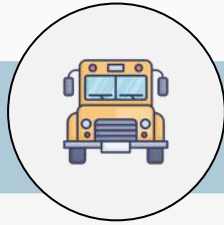
Introduction

- Tracking school buses is a challenge for students and parents.
- "My Trip Bus" offers a solution for tracking buses.
- It enhances safety and comfort for students.
- It enables communication between parents and drivers for child safety.

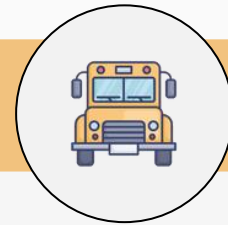
Objectives



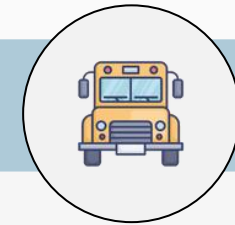
innovation in improving
educational services.



Opportunity to reduce
traffic congestion.



Ensures safety and comfort for
students and their community.



Enhances effectiveness of
school transportation.

Related work



Uber

It is a delivery application for all places, so we inspired the idea of delivery from it.



Messages

A messaging application is electronic. program used for exchanging text messages and multimedia content via smartphones, tablets, and computers, the advantage of the Application Users can send and receive text messages instantly, enabling quick communication.



Google Maps

We've taken advantage of the idea of maps, the idea of live locations points, and real-time traffic information.

The details of the website will be as follows

By using "SQL" and "HTML" For interface



Login Interface

01

Student Login.

02

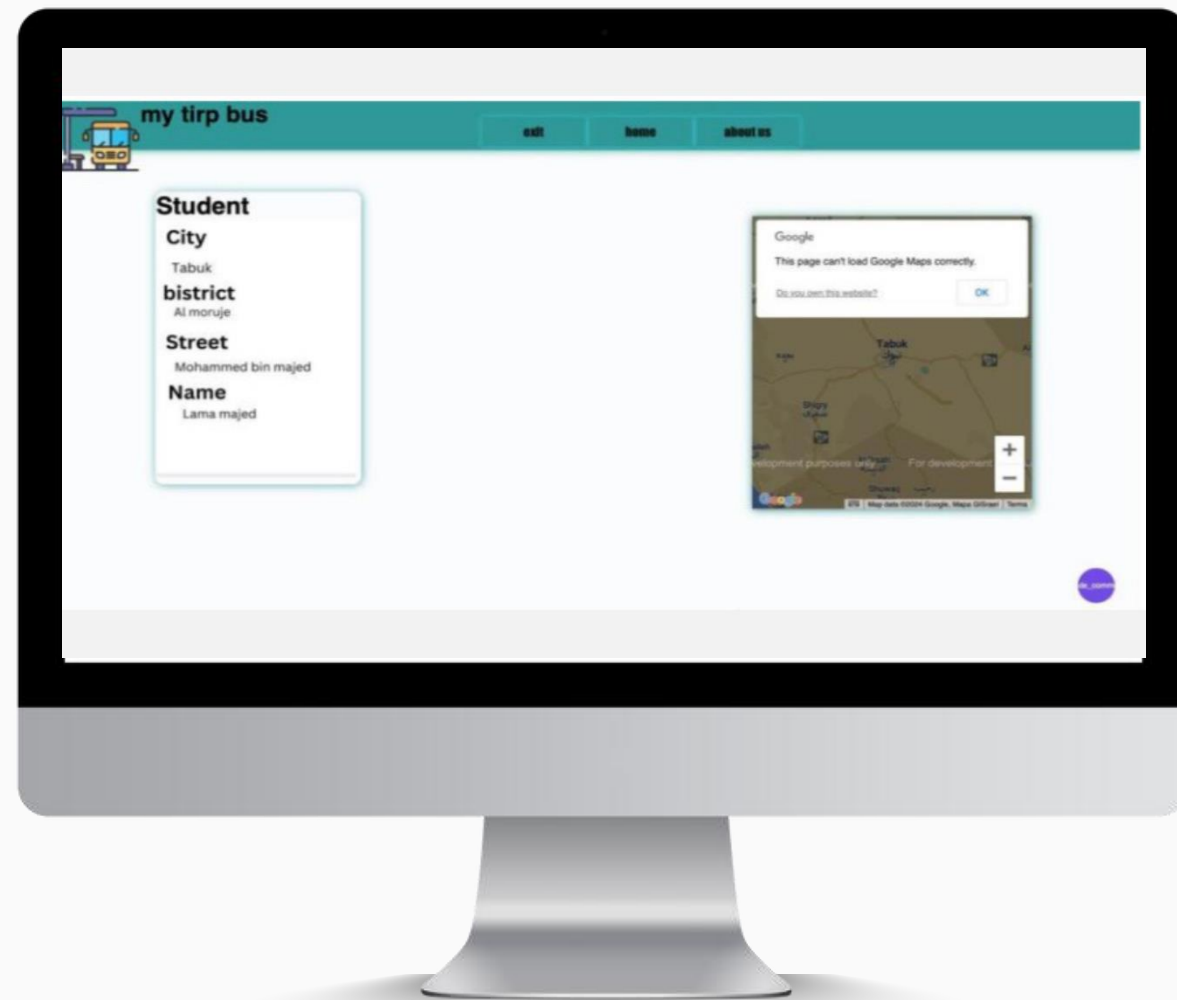
Driver Login.

03

Parent and Bus Supervisor Login.

Post-Login Interface

1- For Students



Bus Registration

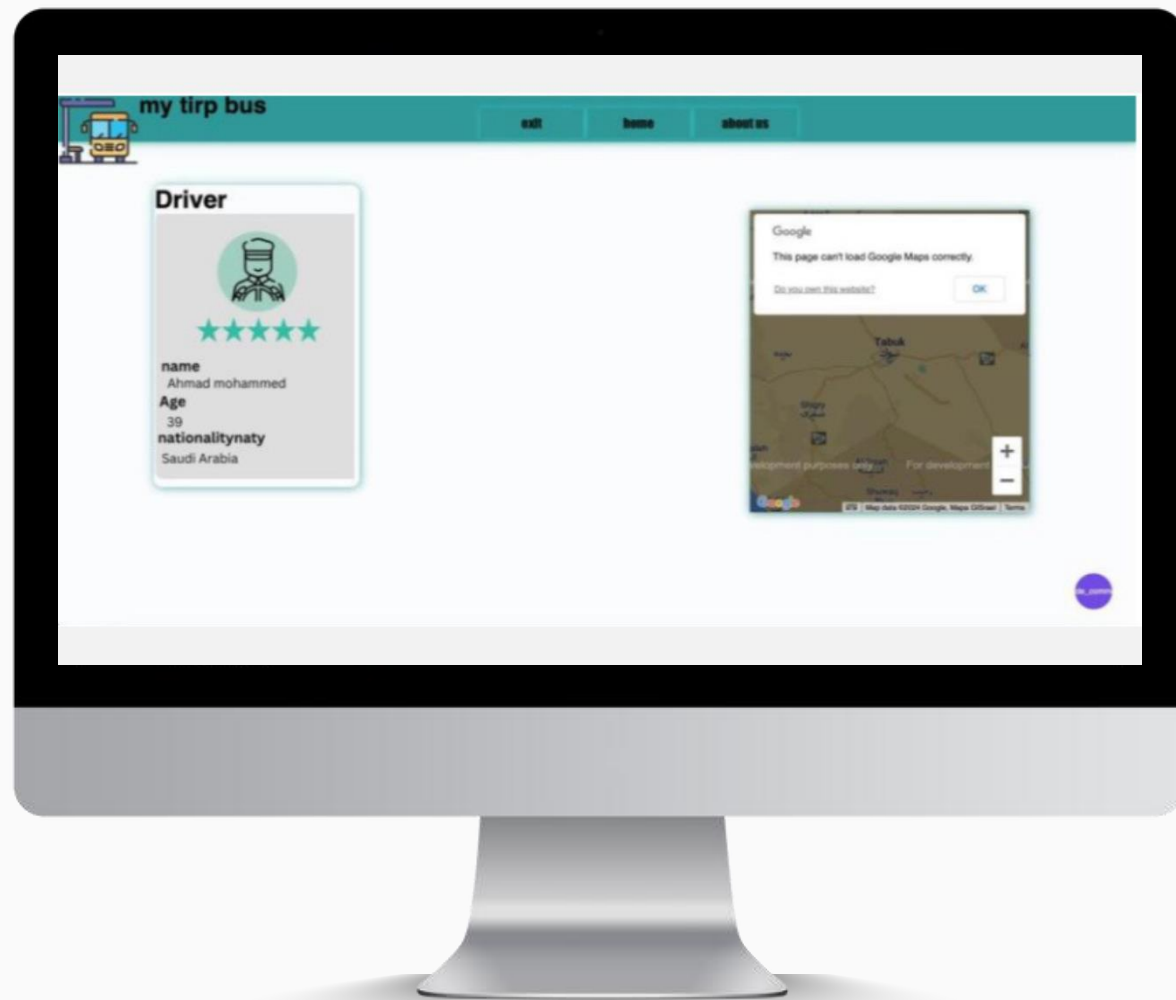
Includes fields for school name, student name, neighborhood, city, and phone number.

Bus Tracking

Provides real-time bus location on the map, allowing students to know its location and route.

Post-Login Interface

2- For Drivers

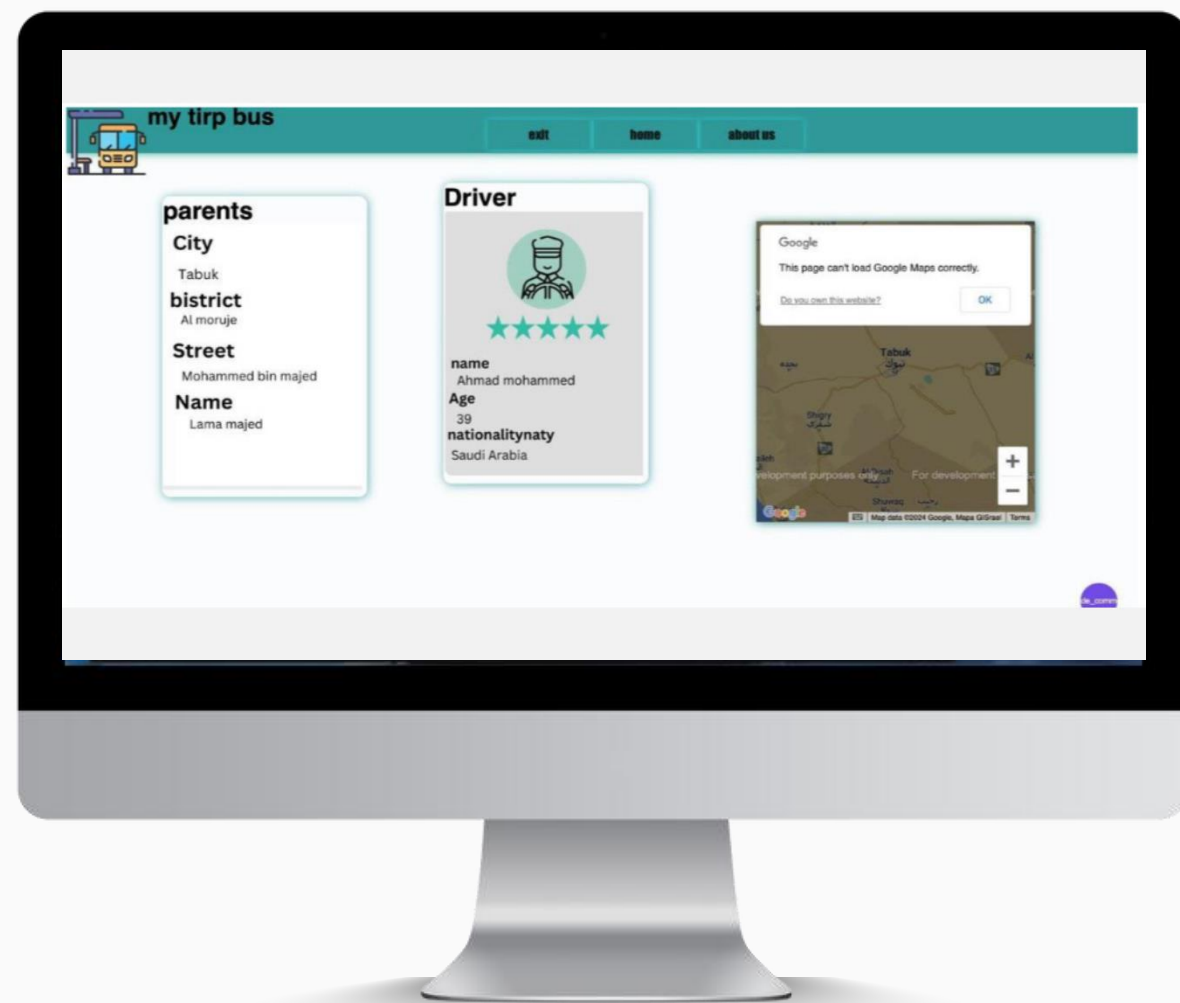


New Driver Registration

Includes fields for name, number, and residence location, as in a hiring process.

House Tracking

Provides a map showing student locations and access points.



Post-Login Interface

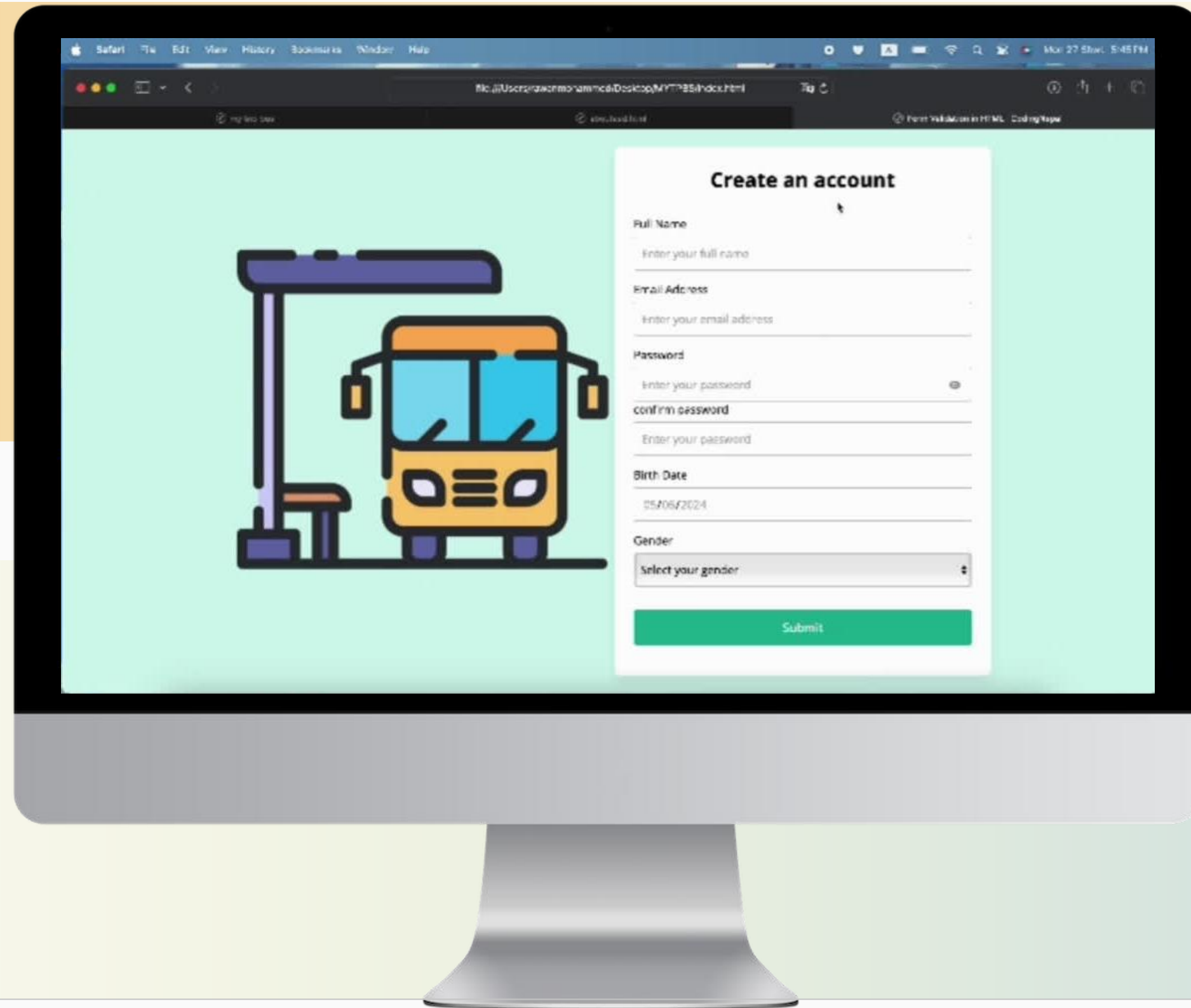
3- For Parents and Supervisors

Children Tracking

Offers a location map for the bus route from home to school.

Student Tracking

Allows supervisors to track student locations and the bus route.



Results

User satisfaction with interface and navigation.

Clear design for students, parents, and drivers.

Fast performance without technical issues.

Appreciation for bus tracking and accurate schedules.

Limitations and Future Work:

Planned improvements for enhanced user experience.

Future additions: time remaining for bus arrival, surveillance camera for parental monitoring, bus speed monitoring for parental oversight.

Emergency

Q - N	The Question	First user	Second user	Third user
1	Did you find the user interface easy to use and well organized?	Yes	Yes	Yes
2	Was the registration or login process easy and smooth?	Yes	Yes	Yes
3	Did you encounter any problems navigating the site or accessing different pages?	No	No	No
4	Did you benefit from any additional features such as tracking buses through the website?	Yes	Yes	Yes
5	Did you find that the service provided through the site adequately meets your needs?	Yes	Yes	Yes

User testing

Conclusion

In conclusion, a problem related to tracking school buses was identified, and then the "My Trip Bus" website was designed as a solution to this problem. The site was then programmed to ensure easy access and effective bus tracking. To ensure the quality of service, thorough testing has been carried out to ensure the safety and performance of the site. Finally, we thank all those who supported and participated in the success of this project.

Thank you for your attention