Project Report

Voyager Transport Portal

Course Details:

Course Name: Database Management System

Course Code: CSE311L

Section: 8

Faculty: Tarek Ibne Mizan (TIM)

Lab-Instructor: Sabbir Mollah

Semester: Summer 2022

Project Details:

Project Title: Voyager Transport Portal

Group Number: 08

Group Members:

1. Asif Rahman   ID: 2012691642
2. M M Shovon Hossain Junak   ID: 2011396642
3. Md. Nafiz Al Mahmud   ID: 2012241042

Github repository link:

https://github.com/asifrahman18/Voyager-Transport-Portal

Project Submission Date: 30th August 2022

Introduction:

Voyager is a well known company in the city. It has a lot of workers, who come from different places of the city. Voyager offers transportation system for their workers. As the number of workers is increasing and the schedules for transports are increasing, it has become hard for the transport managers to manage the system.

To solve this problem, the higher authorities of Voyager have decided to create an online transport system where the workers will be able to login using an unique user ID number and a PIN. They can enter their pickup location and destination to see the list of available transports. They can also book a seat for them if they want to.

Project Description:

Development Tools Used:

- Frontend: HTML, CSS
- Backend: PHP
- Database: SQL
- UI Design: Figma

Features:

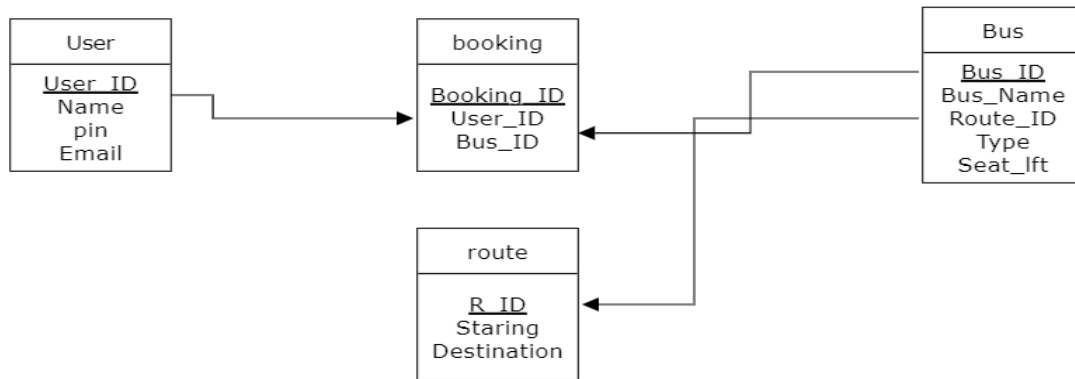**Registration System:** All users have to be registered in order to log in to the website.

Search: Users will be able to search using the search option by entering their location and destination.

Booking: Securing a seat is a good choice in a large company, so users will be able book a seat after the search.

Profile: Users can view and edit their profile information.

Deletion: Every act of creation is first an act of destruction, so users will have an option for deleting their profile that they have created.

ER Diagram:

User
<u>User_ID</u> Name pin Email

booking
<u>Booking_ID</u> User_ID Bus_ID

Bus
<u>Bus_ID</u> Bus_Name Route_ID Type Seat_lft

route
<u>R_ID</u> Staring Destination

Database Schema:

User

User_ID	Name	Pin	Email

booking

User_ID	Bus_ID	Booking_ID

Bus

Bus_Name	Bus_ID	Route_ID	Type	Seat_lft

route

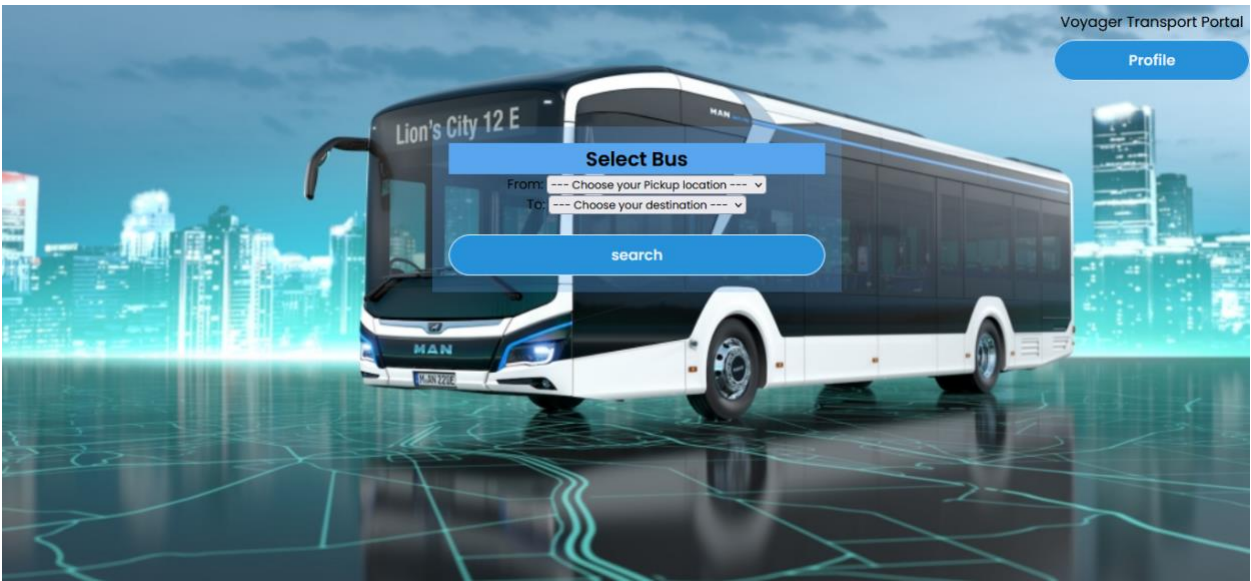| R_ID	Starting	Destination

User Interface:
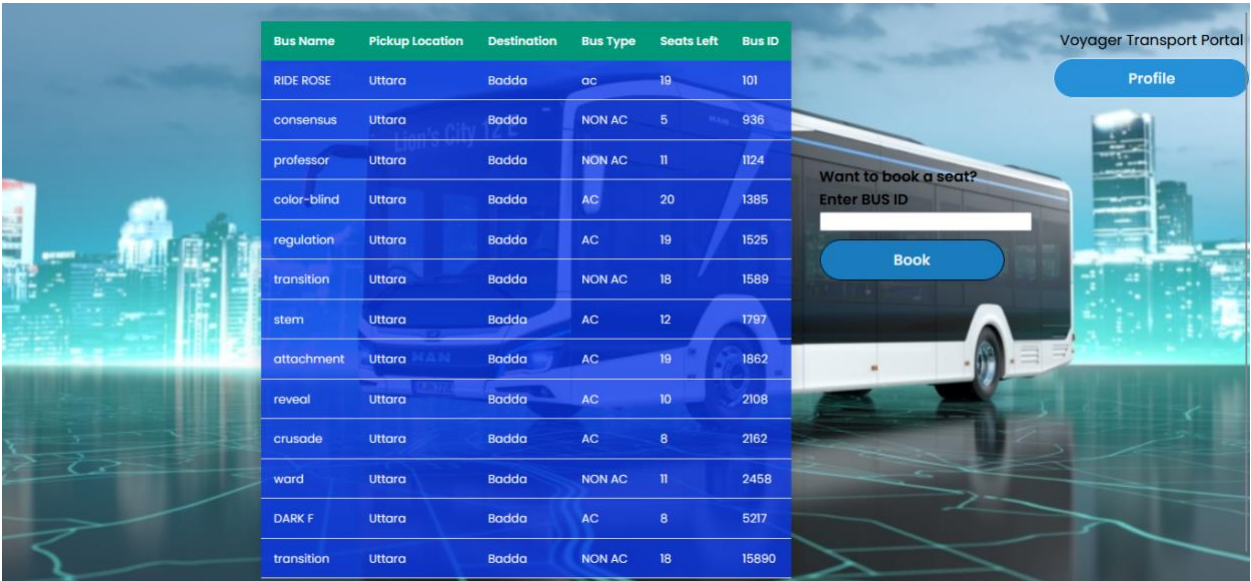
Login Page

Registration Page
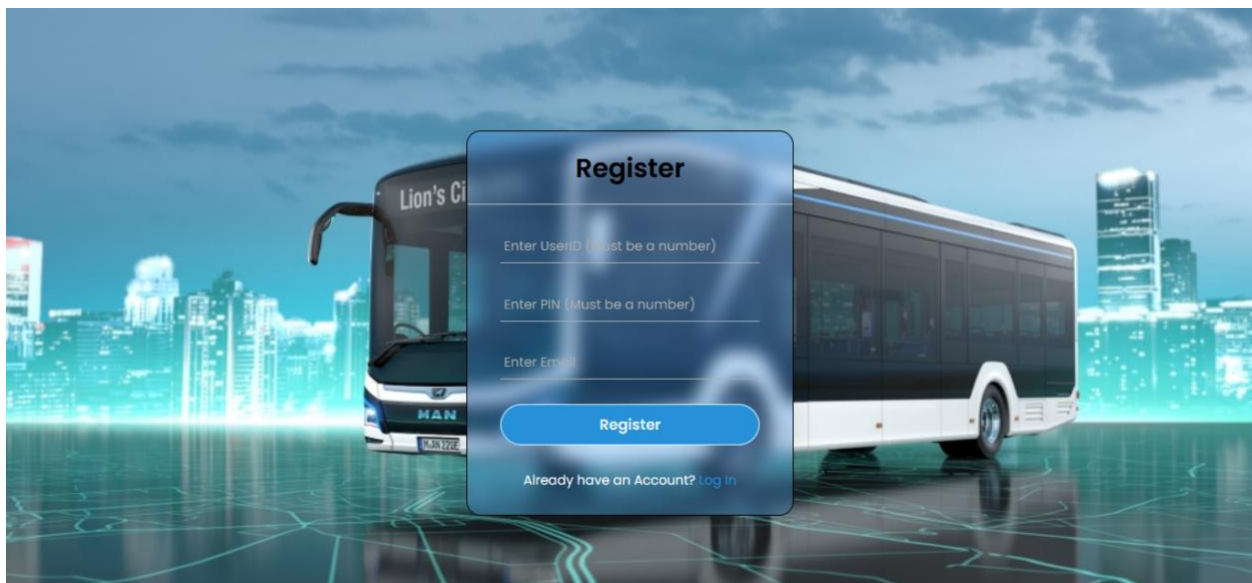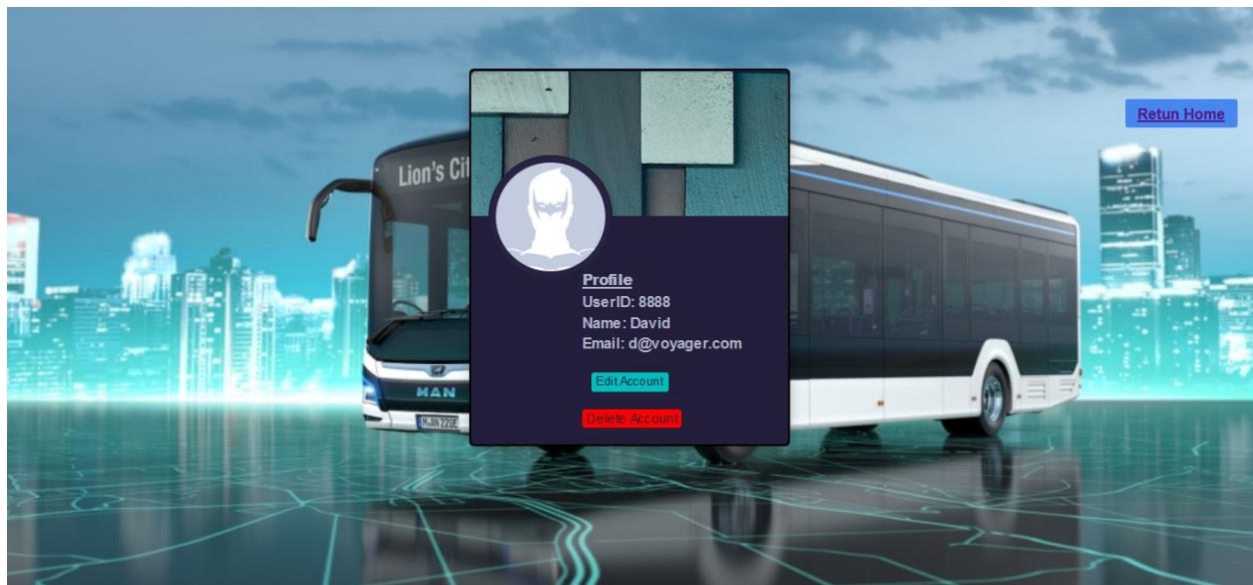
Search Page:

Display Page:

Profile Page:

Requirements:

Software Requirements:

- An Operating system
- Web browser
- SQL Server
- XAMPP
- Visual Studio Code for viewing the codes

Hardware Requirements:

The program will run on any hardware as long as it has the required software.

Project Contributions:

Individual Contribution Breakdown:

Asif Rahman

- 50% HTML
- 71% CSS
- 13% Database
- 100% PHP

Project planning, UI design, Frontend development, backend programming, database creation and management, documentation, Q/A testing, E-R diagram, project report writing

M M Shovon Hossain Junak

- 50% HTML
- 29% CSS
- 87% Database

Project planning, UI design, Frontend development, Database creating and managing, E-R diagram

Md. Nafiz Al Mahmud:

Project planning, UI design, support