

User manual

New bus management System

1 \ 2 \ 2025

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1. Introduction

This manual provides an all-encompassing guide to the new bus system, which includes a web-based booking feature for passengers, real-time trip updates for drivers, and comprehensive management capabilities for administrators. Built using modern web technologies such as HTML, CSS, JavaScript, ASP.NET Core Web API, and SQL Server, the system promises efficiency, reliability, and scalable solutions.

2. Overview

The New Bus System aims to improve the transportation experience by integrating digital solutions. Passengers can book trips seamlessly via a user-friendly web portal, drivers receive dynamic updates about their routes, and administrators gain access to robust management tools for overseeing buses, stations, trips, and users.

3. Technical Specifications

to use the system effectively, the following are required:

- A modern web browser (e.g., Chrome, Firefox).
- Stable internet connection.
- Enabled GPS/location access (for location-based features).

4. Deployment

The deployment process involves setting up the application on a web server, configuring the database, and ensuring integrations between different system components. Detailed configuration settings and step-by-step instructions will be provided to facilitate a smooth deployment.

5. Features

- **Passenger Booking:** A seamless web-based booking interface for passengers to choose and manage trips.
- **Driver Trip Updates:** Real-time notifications and updates for drivers regarding their routes and schedules.
- **Administrative Management:** A comprehensive dashboard for managing buses, stations, trips, and user accounts.

6. Roles

The system assigns different roles based on user requirements:


- **Passenger:** Can book trips, manage bookings, and receive updates.
- **Driver:** Access trip schedules, update statuses, and receive route notifications.
- **Administrator:** Full control over system operations including managing resources and users.

7.Passenger Scenario



7.1. Create account



Passenger creates an account and logs into the portal to book a trip.

The image shows a user interface for a transportation portal. On the left, a blue panel contains the 'NEW BUS' logo with a bus icon, the text 'University Transport', a 'Welcome Back!' message, a subtext 'Login to continue your journey with New Bus', and a 'Sign In' button. On the right, a white panel titled 'Create Account' contains input fields for 'Full Name', 'Email', 'Select Account Type', 'Password', and 'Confirm Password', each with a dropdown arrow. A blue 'Sign Up' button is at the bottom of the white panel.



**NEW BUS**
University Transport
Welcome Back!
Login to continue your journey with New Bus
Sign In



Create Account

 Full Name 

 Email 

Select Account Type

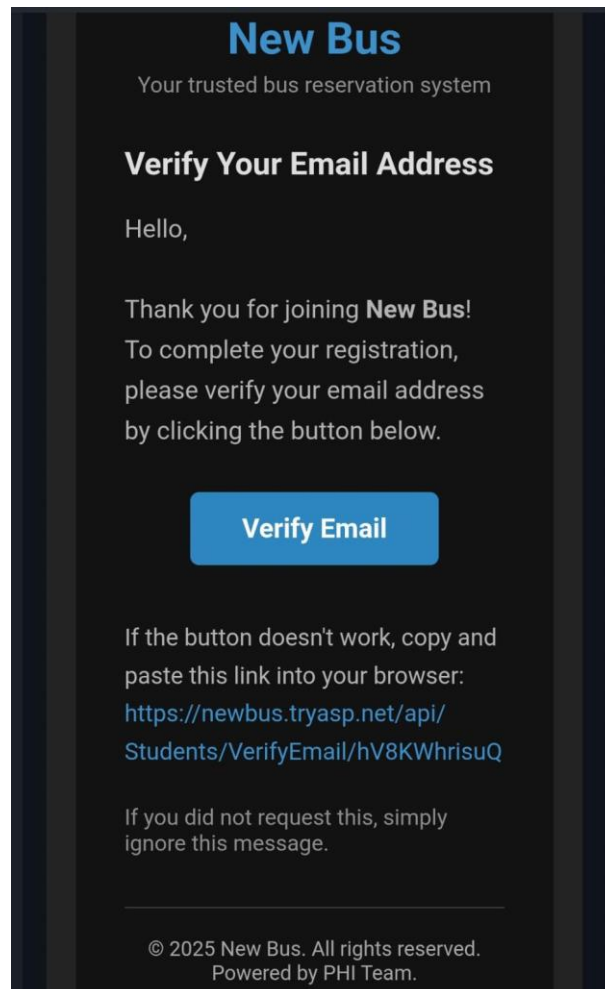
 Password 

 Confirm Password 

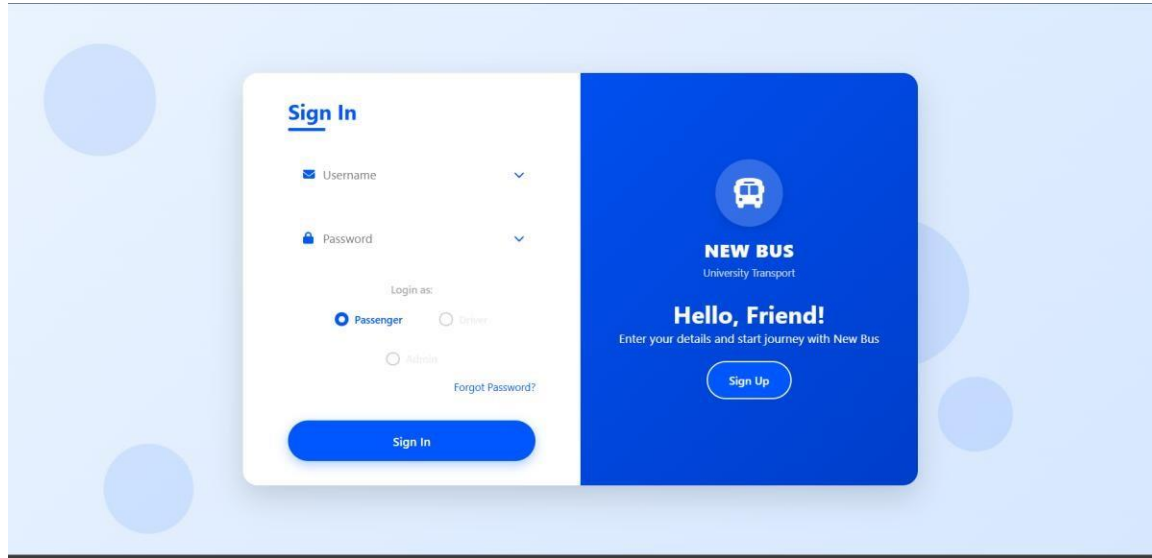
Sign Up

7.2. Email verification

click verify email button and the system directed you to the sign page

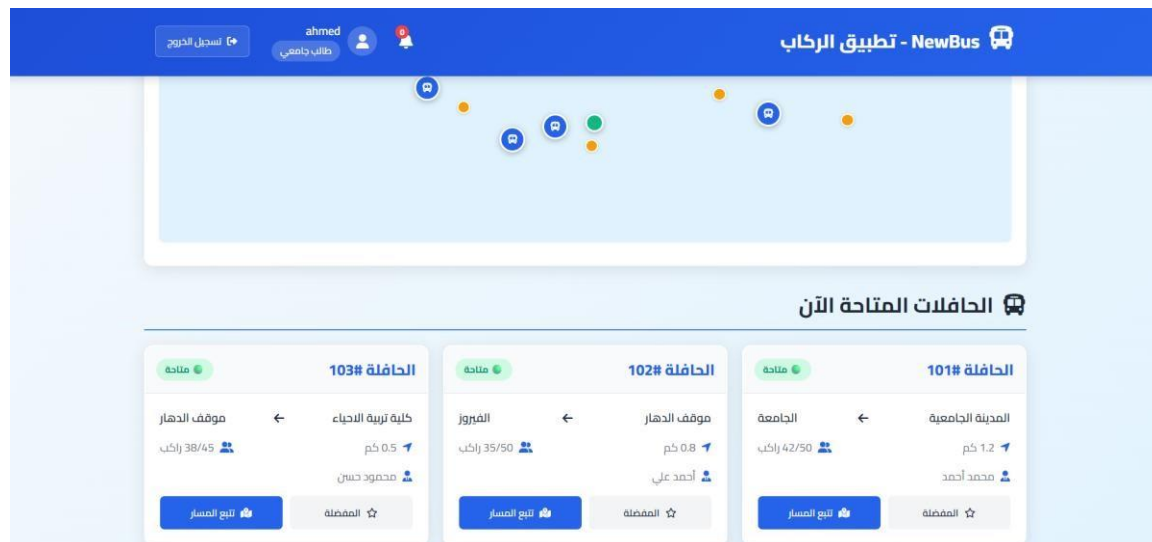


7.3. Login

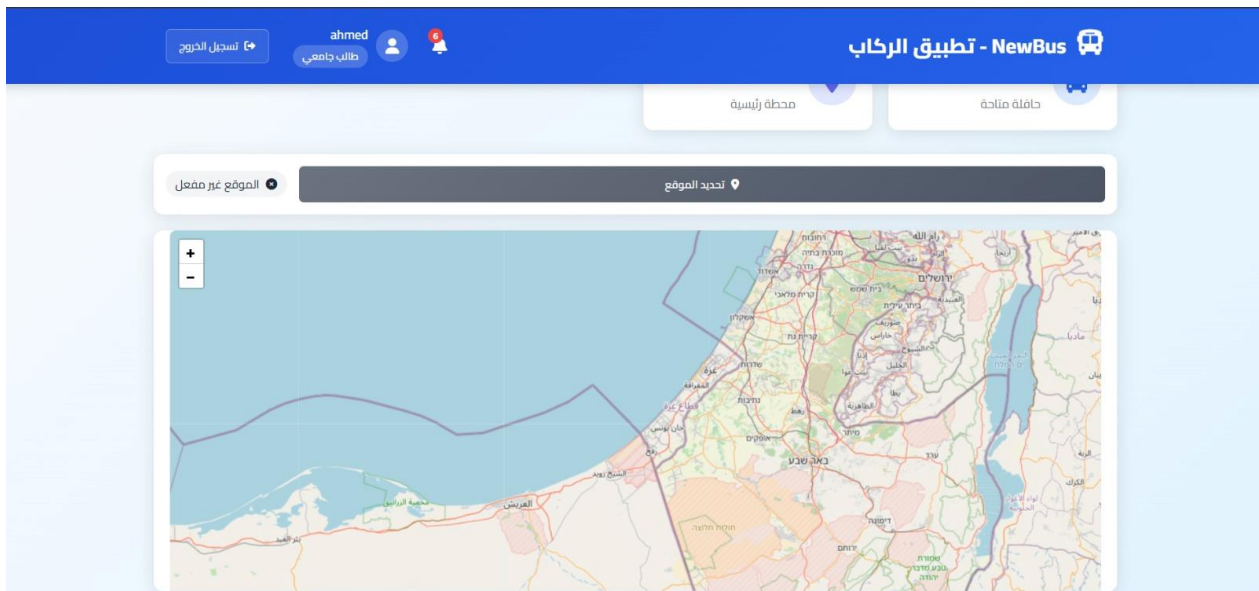


7.4 Trip Selection (Passenger):

Passenger selects a trip from the available options



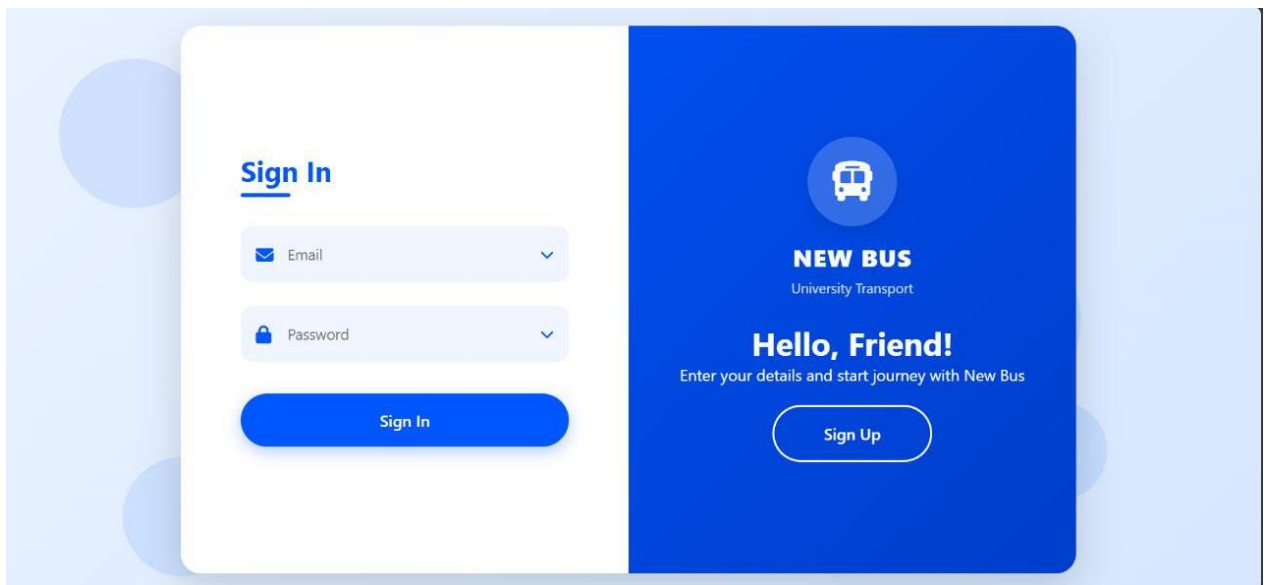
7.5. Showing the map and sharing location



8. Driver Scenario

8.1. Login

sign in using a pre-assigned email and password provided by the system administrator. No registration or email verification is required




The image displays a user interface for 'NEW BUS University Transport'. It is split into two main sections: a white 'Sign In' section on the left and a blue 'Sign Up' section on the right. The 'Sign In' section features a title, two input fields for 'Email' and 'Password' (each with a dropdown arrow), and a blue 'Sign In' button. The 'Sign Up' section features a bus icon, the company name 'NEW BUS University Transport', a greeting 'Hello, Friend!', a prompt 'Enter your details and start journey with New Bus', and a white 'Sign Up' button with a blue outline. The background is light blue with large, faint circular patterns.

Sign In

Email

Password

Sign In



NEW BUS

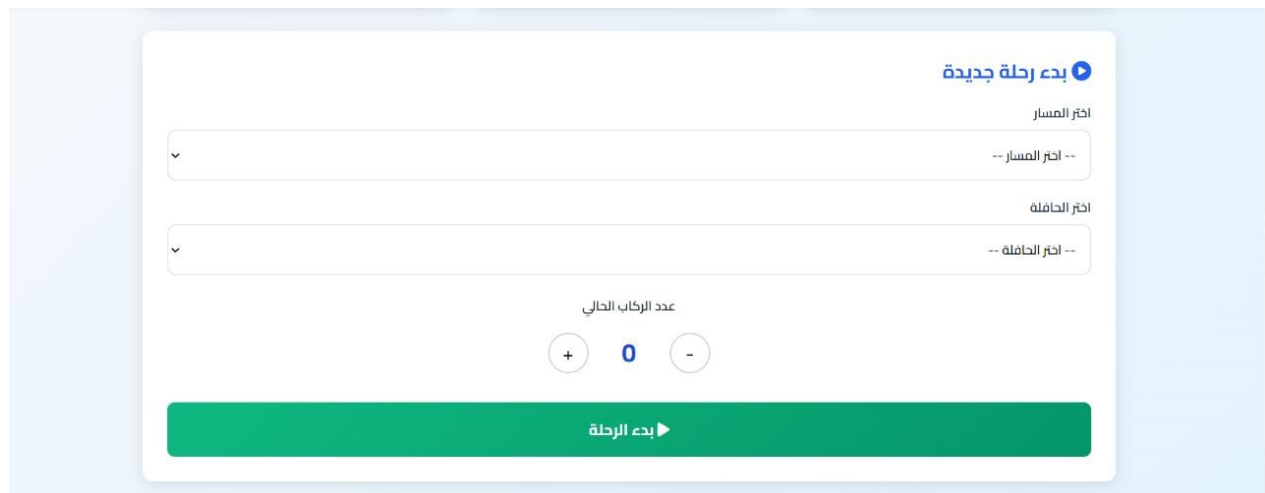
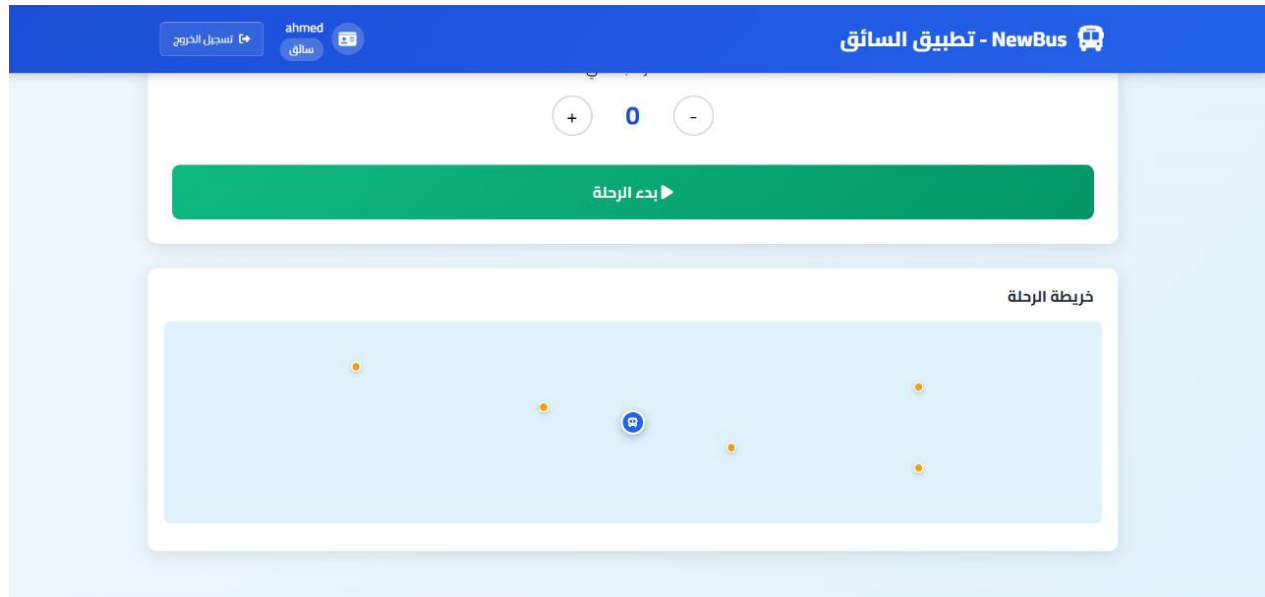
University Transport

Hello, Friend!

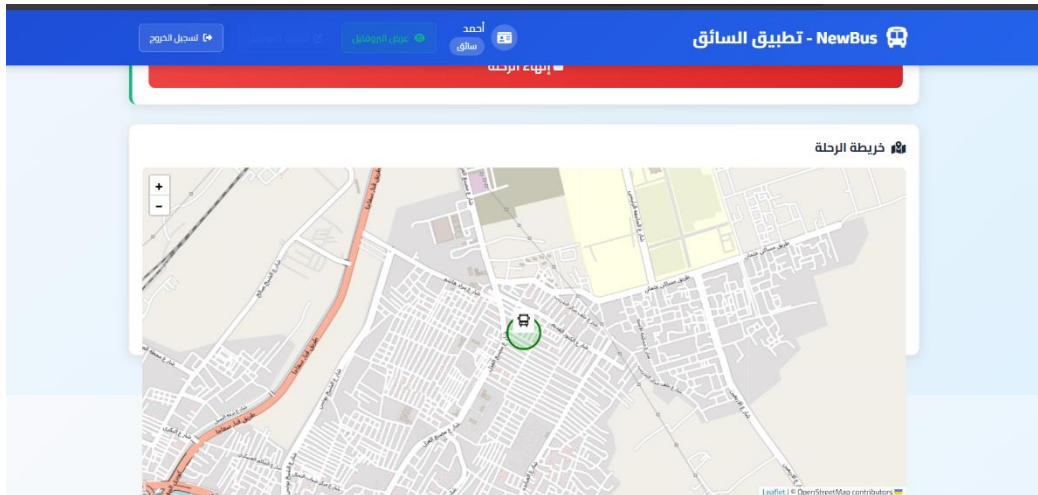
Enter your details and start journey with New Bus

Sign Up

8.2. Starting trip



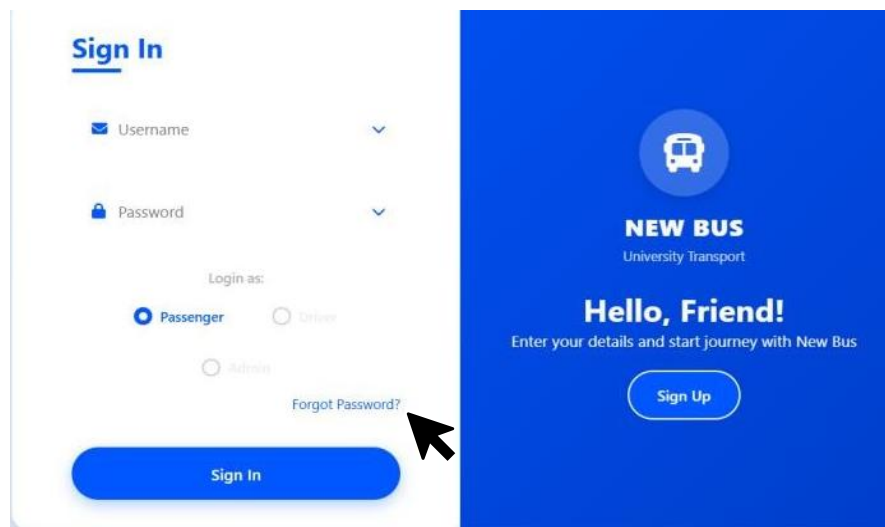
8.3. Showing the map and sharing Live location of the Bus



9. Troubleshooting / FAQs

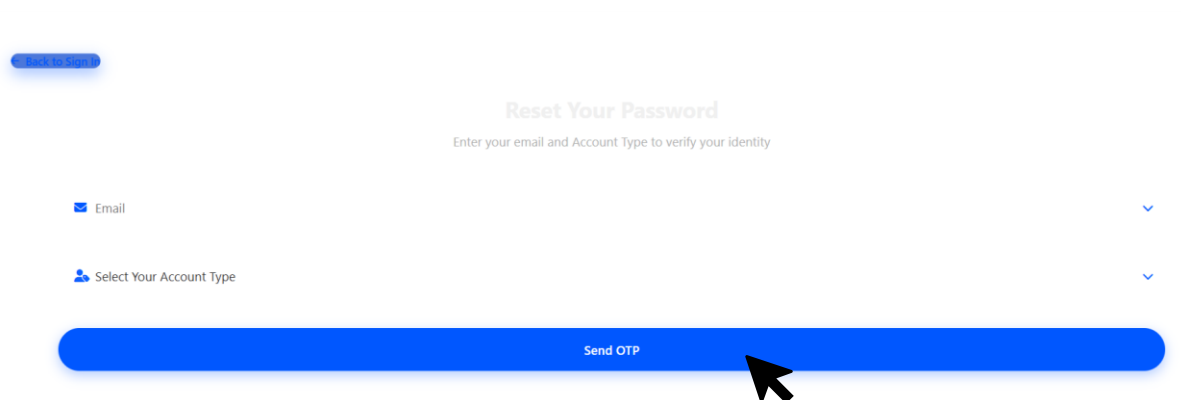
9.1 Forget password

Click on forget password to reset it



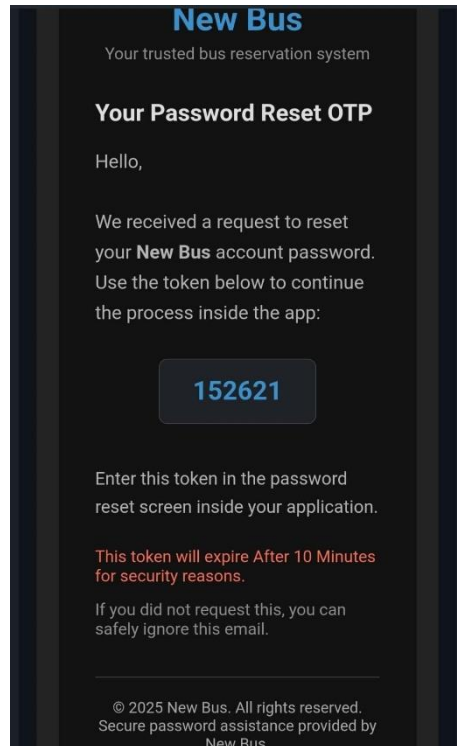
The screenshot shows the 'Sign In' page for 'NEW BUS University Transport'. It features input fields for 'Username' and 'Password', both with dropdown arrows. Below these is a 'Login as:' section with radio buttons for 'Passenger' (selected), 'Driver', and 'Admin'. A 'Forgot Password?' link is located below the 'Admin' option, with a black mouse cursor pointing at it. A large blue 'Sign In' button is at the bottom. To the right is a blue sidebar with a bus icon, the text 'NEW BUS University Transport', 'Hello, Friend!', and a 'Sign Up' button.

Fill your email and click send OTP



The screenshot shows the 'Reset Your Password' page. At the top left is a 'Back to Sign In' button. The title 'Reset Your Password' is centered, with the subtitle 'Enter your email and Account Type to verify your identity' below it. There are two input fields: 'Email' and 'Select Your Account Type', both with dropdown arrows. A large blue 'Send OTP' button is at the bottom, with a black mouse cursor pointing at it.

The system will send OTP to the Email



10. Conclusion

The New Bus System represents a significant advancement in optimizing public transport services. Through effective implementation and utilization, passengers will gain better accessibility, drivers will benefit from improved routing efficiency, and administrators will find enhanced control over operational workflows.