Brief level use case for Admin

**Login:**

Pre-condition: The admin is not logged in.

Post-condition: The admin is successfully logged in and directed to the admin dashboard.

Flow of events:

The admin enters their username and password on the login page.

The system verifies the admin's credentials.

If the credentials are valid, the system grants the admin access to the dashboard.

If the credentials are invalid, the system displays an error message and prompts the admin to re-enter their credentials.

**Register Student:**

Pre-condition: The admin is logged in and has access to the student registration page.

Post-condition: A new student is registered in the system.

Flow of events:

The admin navigates to the student registration page.

The admin enters the student's personal information, such as their name, age, and contact details.

The admin selects the student's grade level and assigns them to a bus route.

The system saves the student's information in the database.

**Register Vehicle:**

Pre-condition: The admin is logged in and has access to the vehicle registration page.

Post-condition: A new vehicle is registered in the system.

Flow of events:

The admin navigates to the vehicle registration page.

The admin enters the vehicle's information, such as its make, model, license plate number, and capacity.

The system verifies that the vehicle meets the safety and insurance requirements.

If the vehicle meets the requirements, the system saves the vehicle's information in the database.

If the vehicle does not meet the requirements, the system displays an error message and prompts the admin to correct the information.

**Assign Route:**

Pre-condition: The admin is logged in and has access to the bus route assignment page.

Post-condition: A student is assigned to a bus route.

Flow of events:

The admin navigates to the bus route assignment page.

The admin selects the student from the list of registered students.

The admin selects the bus route from the list of available routes.

The system updates the student's record with the assigned bus route.

**Log Out:**

Pre-condition: The admin is logged in.

Post-condition: The admin is successfully logged out and directed to the login page.

Flow of events:

The admin clicks the logout button on the dashboard.

The system logs the admin out and directs them to the login page.

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