**Brief level use case for student**

**Login:**

Pre-condition: The student is not logged in.

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

Flow of events:

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

The system verifies the student's credentials.

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

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

**Track Vehicle:**

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

Post-condition: The student can see the location of their assigned bus in real-time.

Flow of events:

The student navigates to the vehicle tracking page.

The system retrieves the location data of the assigned bus from the GPS system.

The system displays the bus location on a map in real-time.

**View Vehicle Detail:**

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

Post-condition: The student can see the details of their assigned bus.

Flow of events:

The student navigates to the vehicle detail page.

The system retrieves the details of the assigned bus from the database.

The system displays the details of the bus, such as its make, model, and capacity.

**View Vehicle Location:**

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

Post-condition: The student can see the location of their assigned bus on a map.

Flow of events:

The student navigates to the vehicle tracking page.

The system retrieves the location data of the assigned bus from the GPS system.

The system displays the bus location on a map.

**Log Out:**

Pre-condition: The student is logged in.

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

Flow of events:

The student clicks the logout button on the dashboard.

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