LOGIN

Title: Login

Primary Actor: Student

Goal: The Student wants to securely log into the system to access their account.

Preconditions:

* The student has an account with the system.
* The student has a valid username and password.

Main Success Scenario:

1. The student navigates to the login page of the system.
2. The system displays a login form with fields for the student's username and password.
3. The student enters their username and password into the login form.
4. The student submits the login form by clicking the "Login" button.
5. The system verifies the student's credentials and logs the user into the system.
6. The system displays the student's account dashboard or home page.
7. The student can access their account and perform tasks within the system.
8. The student logs out of the system when they are finished.

Extensions:

* If the student enters an incorrect username or password, the system displays an error message and prompts the student to try again.
* If the student's account is locked or suspended, the system displays an error message and prompts the student to contact customer support.
* If the system encounters any technical issues during the login process, the system displays an error message and prompts the student to try again later.

Postconditions:

* The student has successfully logged into the system and can access their account.
* The system has authenticated the student's credentials and granted them access to the system.

Alternate Scenarios:

* If the student forgets their password, they can select the "Forgot Password" option and follow the prompts to reset their password.
* If the student is logging into the system for the first time, the system may prompt them to set up their account or provide additional information.
* If the student is required to complete additional security measures, such as two-factor authentication, the system may prompt the student to complete these steps before granting access to the system.

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**FULL DRESS USECSAE FOR TRACKING VEHICLE**

**Tracking Vehicle**

Title: Track Vehicle

Primary Actor: Student

Goal: The Student wants to track the location and status of a vehicle in real-time.

Preconditions:

* The vehicle is equipped with a GPS tracker and a cellular data connection.
* The Tracking management system is up and running.

Main Success Scenario:

1. The student logs into the Tracking management system.
2. The student selects the "Track Vehicle" option.
3. The student selects the vehicle they want to track.
4. The system displays a map with the vehicle's current location and status.
5. The student can see real-time updates of the vehicle's location and status.
6. The student logs out of the system.

Extensions:

* If the vehicle is not equipped with a GPS tracker or cellular data connection, the system displays an error message.
* If the Tracking management system is down, the system displays an error message and prompts the user to try again later.

Post Condition:

* The student has successfully tracked the vehicle's location and status.

Alternate Scenarios:

* If the student wants to track multiple vehicles at once, they can select the "Track All Vehicles" option and the system displays a map with the real-time locations and statuses of all vehicles in the fleet.
* If the student notices any issues with the vehicle's location or status, they can contact the driver or dispatch team to address the issue.

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**View Vehicle Details**

Title: View Vehicle Details

Primary Actor: Student

Goal: The student wants to view detailed information about a specific vehicle.

Preconditions:

* The Tracking management system is up and running.
* The student is logged into the system.

Main Success Scenario:

1. The student selects the "View Vehicle Details" option.
2. The system displays a list of all vehicles in the fleet.
3. The student selects the vehicle they want to view details for.
4. The system displays the detailed information for the selected vehicle, including:
   * Vehicle make, model, and year.
   * Vehicle identification number (VIN)
   * License plate number
   * Any relevant alerts or notifications, such as maintenance reminders or warranty information
5. The student can scroll through and review the information as needed.
6. The student logs out of the system.

Extensions:

* If the Tracking management system is down, the system displays an error message and prompts the user to try again later.
* If the student encounters any issues while using the system, they can contact technical support for assistance.

Postconditions:

* The student has successfully viewed detailed information about the selected vehicle.

Alternate Scenarios:

* If the student wants to view details for all vehicles in the fleet, they can select the "View All Vehicles" option and the system displays a list of all vehicles with the option to view details for each vehicle.
* If the student notices any issues with the vehicle's information, they can contact the maintenance team to address the issue or update the information in the system.

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**LOG OUT**

Title: Log Out

Primary Actor: Student

Goal: The student wants to log out of the system securely.

Preconditions:

* The student is logged into the system.

Main Success Scenario:

1. The student selects the "Log Out" option.
2. The system displays a confirmation message asking the student if they want to log out.
3. The student selects "Yes" to confirm they want to log out.
4. The system terminates the student's session and logs them out of the system.
5. The system displays a login page prompting the student to log back in if they want to access the system again.

Extensions:

* If the student is in the middle of a task, the system saves their progress and allows them to resume the task when they log back in.
* If the system encounters any issues while logging out the student, the system displays an error message and prompts the student to try again later.

Postconditions:

* The student has successfully logged out of the system securely.
* The student's session is terminated, and they can no longer access the system without logging back in.

Alternate Scenarios:

* If the student selects "No" to the confirmation message, the system does not log them out and the student remains logged in.
* If the student has not been active in the system for a certain period of time, the system may automatically log them out for security reasons. In this case, the system saves the student's progress and allows them to resume their task when they log back in.