admin

Full Dressed use case

Title: Login

Scope: This use case describes the process of a user logging into a website or application.

Level: User goal

Primary Actor: User

Stakeholders and Interests:

User: wants to securely access their account and personal information

System: needs to authenticate the user's credentials and grant access to the user's account

Admin: may need to manage user accounts and login settings

Preconditions:

* The user has a valid account with the website or application.
* The user has internet access.
* The user has a device capable of accessing the website or application.

Postconditions:

* The user is logged into their account.
* The user can access their personal information and account settings.
* The system has authenticated the user's credentials and granted access to the user's account.

Main Success Scenario:

* The user navigates to the login page of the website or application.
* The system displays the login page.
* The user enters their username and password.
* The system authenticates the user's credentials.
* The system grants access to the user's account.
* The system displays the user's account dashboard.

Extensions: . If the user enters an incorrect username or password, the system displays an error message and prompts the user to re-enter their credentials. 4b. If the user's account is locked or suspended, the system displays an error message and prompts the user to contact customer support. 5a. If the system cannot authenticate the user's credentials, the system displays an error message and prompts the user to re-enter their credentials.

Alternative Scenarios: If the website or application is experiencing technical difficulties, the system displays an error message and prompts the user to try again later.

Exceptions:

* The user is not registered with the website or application.
* The user has forgotten their username or password.
* The user is attempting to log in from a device or location that is not recognized by the system.
* The system is experiencing technical difficulties.

Notes:

* The login process may include additional security measures, such as two-factor authentication or CAPTCHA verification.
* The use case does not cover account creation, which is a separate process.

Full dressed use case

2: Registered vehicles

Scenario: A school transport system needs to register a new bus into their fleet to transport students to and from school.

Bus owner submits registration request: The bus owner submits a request to the school transport system for registration of their bus. The request should include all relevant details such as make and model of the bus, year of manufacture, seating capacity, and any other important details.

Verification of bus details: The school transport system verifies the details of the bus to ensure that it meets all safety standards required for transportation of students. This could include checks for proper maintenance, safety features such as seat belts and emergency exits, and any other safety-related requirements.

Submission of documents: The bus owner submits all necessary documents required for registration, such as vehicle registration, insurance, and permits. These documents are reviewed by the school transport system to ensure that they are valid and up-to-date.

Inspection of the bus: The school transport system inspects the bus to ensure that it meets all safety requirements. This could include checks for proper maintenance, safety features such as seat belts and emergency exits, and any other safety-related requirements.

Approval of registration: Once all the necessary checks and inspections have been completed, the school transport system approves the registration of the bus. The bus owner is notified of the approval, and a registration certificate is issued.

Integration into the transport system: The newly registered bus is then integrated into the school transport system, and assigned a route and schedule for transportation of students.

Ongoing monitoring: The school transport system monitors the newly registered bus on an ongoing basis to ensure that it continues to meet all safety requirements and remains in compliance with all regulations. Any necessary maintenance or repairs are identified and addressed promptly to ensure the safety of the students being transported.

3: Fully Dresses use case

Registered driver

Title: Register Driver in School Transport System

Actors:

Administrator

Driver

Preconditions:

* The school transport system has been set up and is operational.
* The administrator has access to the school transport system.
* The driver has applied for the position of a driver in the school transport system.

Basic Flow:

* The administrator logs in to the school transport system.
* The administrator selects the "Register Driver" option.
* The system displays a form to collect information about the driver, including their name, address, contact information, driver's license number, and other relevant details.
* The driver fills out the form and submits it.
* The system verifies the driver's license number and checks if they have any prior convictions or violations.
* If the driver's license is valid and there are no prior convictions or violations, the system displays a message indicating that the driver has been successfully registered.
* The system generates a unique driver ID and assigns it to the driver.
* The administrator prints out a copy of the driver's registration details, including their name, contact information, and driver ID.
* The administrator provides the driver with a copy of their registration details, along with any other relevant information, such as the school transport system rules and regulations.
* The driver acknowledges that they have received the registration details and the rules and regulations.
* The administrator adds the driver's details to the school transport system database.

Alternate Flows:

* If the driver's license is invalid or has prior convictions or violations, the system displays an error message and informs the administrator that the driver cannot be registered.
* If the driver does not acknowledge that they have received the registration details and the rules and regulations, the administrator contacts them and ensures that they understand the requirements.
* If the driver has already been registered, the system displays an error message and informs the administrator that the driver is already in the system.

Postconditions:

* The driver has been successfully registered in the school transport system.
* The driver has been assigned a unique driver ID.
* The administrator has provided the driver with a copy of their registration details and the rules and regulations.
* The driver understands the requirements of the school transport system.

4: Fully Dresses use case

Allocated route

Title: Allocate Route for School Bus

Actor: School Transport Administrator

Preconditions:

* The school has a school transport system.
* The school has at least one school bus.
* The school has a list of students who require transportation.

Postconditions:

* The school bus has an allocated route.
* The students who require transportation are picked up and dropped off at their designated locations.

Main Scenario:

* The School Transport Administrator logs into the school transport system.
* The School Transport Administrator selects the option to allocate a route for a school bus.
* The School Transport Administrator inputs the start time and end time of the school day.
* The School Transport Administrator inputs the locations of each student who requires transportation.
* The School Transport Administrator inputs any additional stops or locations on the route.
* The School Transport Administrator selects the school bus to allocate the route to.
* The system generates a route based on the input information.
* The School Transport Administrator reviews and approves the generated route.
* The School Transport Administrator assigns a driver to the allocated route.
* The allocated route is saved in the school transport system and is available for the driver to access.

Alternative Scenario:

If the generated route is not feasible due to time constraints or other factors, the School Transport Administrator adjusts the input information and generates a new route. This process is repeated until a feasible route is generated.

Exceptions:

* If a student requires transportation to a location not included in the input information, the School Transport Administrator adds the location and generates a new route.
* If a driver is unavailable for the allocated route, the School Transport Administrator assigns a different driver.
* If a school bus is unavailable for the allocated route, the School Transport Administrator assigns a different school bus.

5: Full Dresses use case

Log out

title: Logout of School Transport System

Actors:

School Transport System User

Preconditions:

The School Transport System User must be logged in to the system.

Postconditions:

The School Transport System User is logged out of the system.

Basic Flow:

* The School Transport System User navigates to the logout button in the system.
* The system displays a confirmation message asking the user if they are sure they want to logout.
* The School Transport System User confirms that they want to logout by clicking the "Yes" button.
* The system logs out the user and displays a message confirming that the user has been logged out.
* The system redirects the user to the login page.

Alternate Flows:

* If the School Transport System User clicks the "No" button, the system does not log the user out and returns the user to the previous screen.
* If the system encounters an error while logging out the user, it displays an error message to the user and does not log the user out.

Exceptions:

* If the School Transport System User is not logged in to the system, they cannot perform the logout action. The system displays an error message to the user.
* If the School Transport System User is already logged out of the system, they cannot perform the logout action. The system displays an error message to the user.

Assumptions:

* The School Transport System User is authorized to access the logout function.
* The School Transport System User is not in the middle of any critical activity while logging out of the system.
* The School Transport System User has a reliable internet connection to access the system.