
Sharath Kumar Reddy Vulupala

CSCI 5448 Project : #shareMyStuff

Requirements:

1. User Requirements:

| | |
|--------|--|
| UR-009 | Customer must be able to track the shipment status after the order |
|--------|--|

| | |
|--------|--|
| UR-014 | Logistics user should be able to view and accept all available and pending shipments for the day |
|--------|--|

| | |
|--------|---|
| UR-015 | Logistics user should be able to update shipment status |
|--------|---|

Use Case Document(s):

| | |
|------------------|--|
| Use Case ID | UC-001 |
| Use Case Name | Register User |
| Description | A customer can register into the application by entering the customer details in registration form, admin and logistics users are added by super admin |
| Actors | Admin, Customer, Logistics User |
| Pre-Conditions | User must provide email id, and phone number to register into the system |
| Post-Conditions | User is registered into the application |
| Frequency Of Use | Frequently |

| Flow Of Events | # | Actor Action | System Response |
|-----------------|--|--|--|
| | 1 | User selects Register me option in login page | System returns a Registration Form to the user |
| | 2 | User should enter all the details in registration form(FirstName, LastName, Email, PhoneNumber, Address) and hit submit button | System checks for basic validations and returns a success message on successful registration |
| | 3 | Super admin adds logistics user and other admins in to the system | System returns a success message on successful adding of user |
| Variations | Logistics users and admins can not register themselves into the application, logistics users and admins are added by the Super Admin | | |
| Notes | Super admin has to change his password after his first login into the application | | |
| Developer Notes | | | |

| Use Case ID | UC-002 | | |
|------------------|---|--------------|-----------------|
| Use Case Name | Update Profile | | |
| Description | User can update basic profile details after logging in to the application | | |
| Actors | Admin, Customer, Logistics User | | |
| Pre-Conditions | User must have his credentials registered into the system | | |
| Post-Conditions | User is logged in to the application | | |
| Frequency Of Use | Frequently | | |
| Flow Of Events | # | Actor Action | System Response |

| | | | |
|-------------------|---|--|--|
| | 1 | User will login into the application | System will display respective home screen to the user based on user role type |
| | 2 | User will click settings menu in the home page and select edit profile | System will return a view and edit page showing current user details |
| | 3 | User will update the information and hit save button | System will return a success message on successful updating |
| Variations | | | |
| Notes | | | |

| | | | |
|-------------------------|---|--|--|
| Use Case ID | UC-003 | | |
| Use Case Name | Add Product | | |
| Description | Customer can add and upload stuff(efiles/inventory) into the application and can either sell or share with other users within the application | | |
| Actors | Customer | | |
| Pre-Conditions | Customer must be logged in to the application | | |
| Post-Conditions | Customer can decide the price for the uploaded item and update its availability status | | |
| Frequency Of Use | Frequently | | |
| Flow Of Events | # | Actor Action | System Response |
| | 1 | Customer will login into the application | System will display the customer home screen |

| | | | |
|------------------------|--|--|--|
| | 2 | Customer will click the setting menu and select Add Items option | System will display a form to enter the item details(Type, Description, Price, Availability, Quantity, Shipping options) |
| | 3 | Customer will enter the details and submit the form | System will display a success message and will display the uploaded item in for sale list |
| Variations | | | |
| Notes | Based on the item type(inventory type or e-file), system will provide the buyer the provision for shipping or download | | |
| Developer Notes | | | |

| | | | |
|-------------------------|--|--|---|
| Use Case ID | UC-004 | | |
| Use Case Name | View Pending Shipments | | |
| Description | Logistics user can view all available and pending shipments to be delivered for the day | | |
| Actors | Logistics User | | |
| Pre-Conditions | Logistics user must be logged in to the application | | |
| Post-Conditions | Logistics user will add current day's shipments to Delivery Cart and will update shipment status | | |
| Frequency Of Use | Once in a day | | |
| Flow Of Events | # | Actor Action | System Response |
| | 1 | Logistics User will login into the application | System will display the Logistics home screen |

| | | | |
|------------------------|---|--|--|
| | 2 | Logistics user will select the available orders from the list based upon the priority and move them to delivery cart | System will move the status of the selected products from pending delivery to in shipping status |
| | 3 | Logistics user will update the status of delivery of all the products in delivery cart for the day | System updates the status of delivery to the customers |
| Variations | | | |
| Notes | In case of failed delivery, logistics user will bring back the shipment to the warehouse and update it's status with reason for failure in delivery | | |
| Developer Notes | | | |

| | | | |
|-------------------------|--|---------------------|------------------------|
| Use Case ID | UC-005 | | |
| Use Case Name | Add Shipment to Delivery Cart | | |
| Description | Logistics User can select the delivery shipments to be shipped for the day and add shipments in to Delivery cart for the day | | |
| Actors | Logistics User | | |
| Pre-Conditions | Logistics user must be logged in to the application and should have pending shipments in the application | | |
| Post-Conditions | Logistics user will either go with the delivery cart items for shipping or can remove items from the delivery cart | | |
| Frequency Of Use | Once in a day | | |
| Flow Of Events | # | Actor Action | System Response |

| | | | |
|------------------------|---|---|--|
| | 1 | Logistics User will login into the application | System will display the Logistics home screen |
| | 2 | Logistics user will select the available orders from the list based upon the priority and add them to delivery cart | System will move the status of the selected products from pending delivery to in shipping status |
| | 3 | Logistics user will update the status of delivery of all the products in delivery cart for the day | System updates the status of delivery to the customers |
| Variations | | | |
| Notes | Logistics user can remove the shipments from the delivery cart and move them back to pending status | | |
| Developer Notes | | | |

| | |
|-------------------------|--|
| Use Case ID | UC-006 |
| Use Case Name | Remove Shipment from Delivery Cart |
| Description | Logistics user can remove a shipment from his delivery cart if in case of failed delivery or any other reason and moves the shipment status to pending |
| Actors | Logistics User |
| Pre-Conditions | Logistics user must be logged in to the application and should have shipments in the delivery cart |
| Post-Conditions | Shipment will be removed from the current day's delivery cart and will be available in pending shipments list |
| Frequency Of Use | Few times a week |

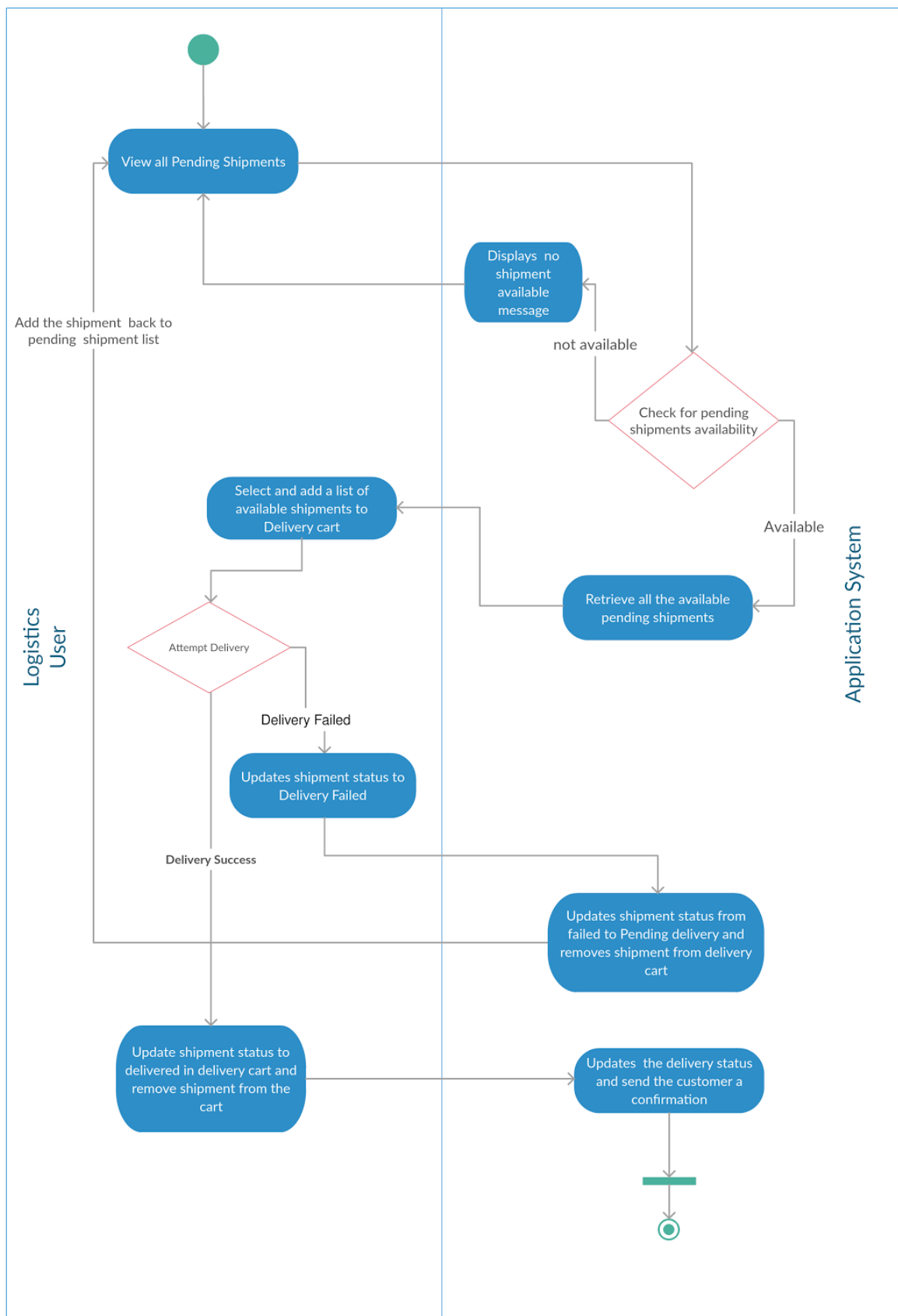
| Flow Of Events | # | Actor Action | System Response |
|-----------------|---|---|--|
| | 1 | Logistics User will login into the application | System will display the Logistics home screen |
| | 2 | Logistics user will select the available orders from the list based upon the priority and add them to delivery cart | System will move the status of the selected products from pending delivery to in shipping status |
| | 3 | Logistics user will remove selected items from the delivery cart and update the reason and status | System updates the status of shipment and makes the shipment available for the next day delivery |
| Variations | | | |
| Notes | After removing a shipment the status of the shipment will be updated and the shipment will be available in the logistics user's pending shipment list the next day for delivery | | |
| Developer Notes | | | |

| | |
|-----------------|---|
| Use Case ID | UC-007 |
| Use Case Name | Update Shipping Status |
| Description | Customer can add and upload stuff(efiles/inventory) into the application and can either sell or share with other users within the application |
| Actors | Logistics User |
| Pre-Conditions | Shipment must be available either in pending shipments list or in delivery cart |
| Post-Conditions | Shipment status will be updated from pending to either delivered or failed(with valid reason) |

| | | | |
|------------------|--|--|--|
| Frequency Of Use | Frequently | | |
| Flow Of Events | # | Actor Action | System Response |
| | 1 | Logistics User will login into the application | System will display the Logistics home screen |
| | 2 | Logistics user will select the available orders from the list based upon the priority and move them to delivery cart | System will move the status of the selected products from pending delivery to in shipping status |
| | 3 | Logistics user will update the status of delivery of all the products in delivery cart for the day | System updates the status of delivery to the customers |
| Variations | | | |
| Notes | For a failed delivery the customer gets notified with the reason and the shipment will be made available for the next business day delivery and appropriate status will be updated into the system | | |
| Developer Notes | | | |

Activity Diagram:

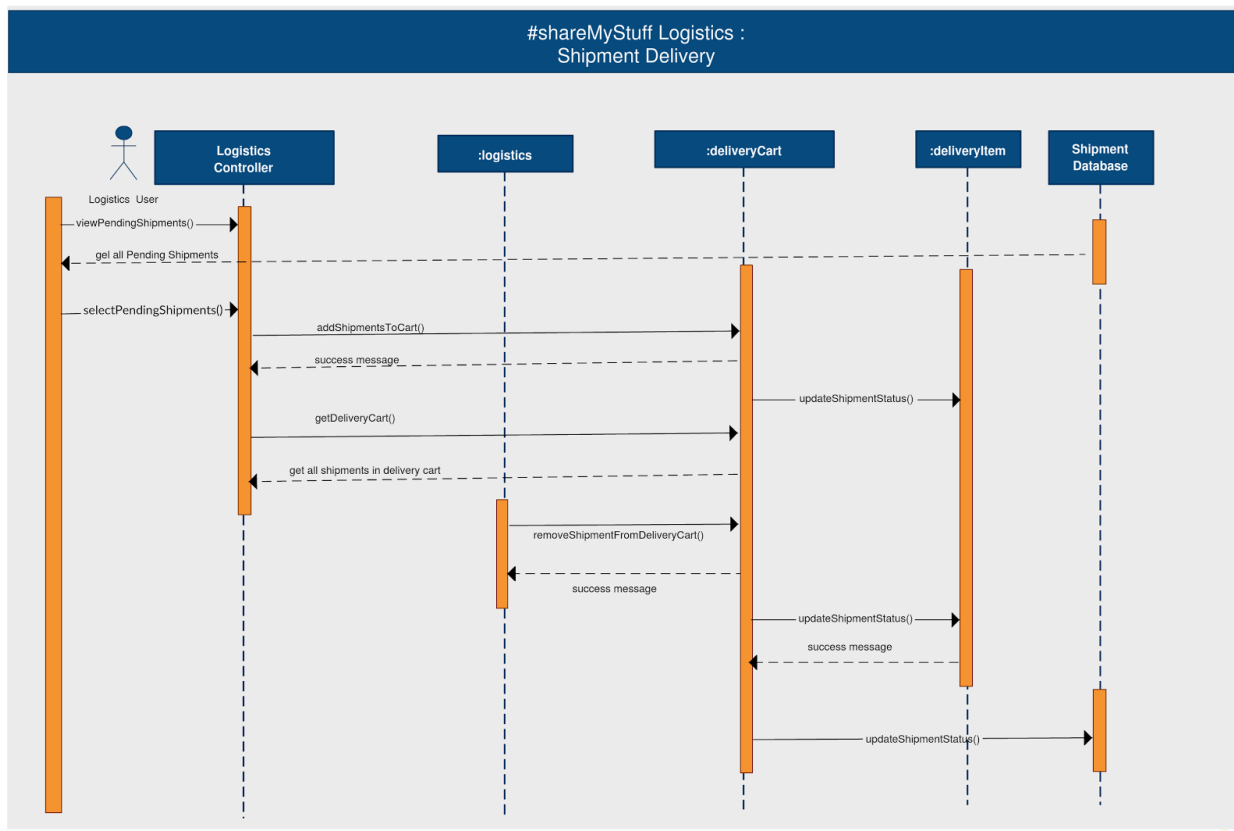
- Requirement ID:** UR#001, UR#014, UR#015
- Use Case ID:** UC#005, UC#007
- Use Case Name:** Logistics Shipment Delivery
- Use Case Description:** The logistics user will deliver a shipment and update the status of the shipment.
- Implementor:** Sharath Kumar Reddy Vulupala



Logistics : Shipment Delivery
Activity Diagram

Sequence Diagram

1. **Requirement ID:** UR#001, UR#014, UR#015
2. **Use Case ID:** UC#005, UC#007
3. **Use Case Name:** Logistics Shipment Delivery
4. **Use Case Description:** The logistics user will deliver a shipment and update the status of the shipment.
5. **Implementor:** Sharath Kumar Reddy Vulupala



Sequence Diagram high resolution link :

https://github.com/SKRIVulupala/CSCI5448/blob/master/Sharath_SequenceDiagram.png