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|  | **Courier Tracking System**  **Use Case Specification Document** |
| |  |  |  |  | | --- | --- | --- | --- | |  | **Prepared By / Last Updated By** | **Reviewed By** | **Approved By** | | **Name** |  |  |  | | **Role** |  |  |  | | **Signature** |  |  |  | | **Date** |  |  |  | |
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# Introduction

## Purpose of this document

The purpose of this document is to document the use cases of the courier tracking system.

## Definitions & Acronyms

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| Definition / Acronym | Description |
| JSP | Java Server Pages |

## Project Overview

This project helps to send a package and track packages and containers, and different parcels at the time of sorting and delivery. The web application helps to verify the movement and source of the parcels and estimate the date and time of delivery. The main objective of this parcel tracking system is to provide customers with information about the details of the route of the package, delivery status, estimated delivery date, and the estimated time of delivery.

## In Scope

Following are the key features that needs to be implemented for Customer and Admin or staff:

Customer

1. Add Items to a cart
2. View Items in the cart
3. Remove an Item from the cart
4. Track a package

Admin

1. View Details
2. Edit Menu

## Intended Audience

* Product Owner
* Scrum Master
* Application Architect
* Project Manager
* Test Manager
* Development Team
* Testing Team

## Constraints, Assumptions and Dependencies

**Assumptions**

The basic assumption of the project is to track the courier.

**Dependencies**

Courier tracking system depends upon factors such as weight of the parcel, distance from sender address to deliver address for calculating cost.

**Constraints**

The project limits the users to register the parcel which is above 15kg.

# Use Cases

There will be two types of users whom will be using this application:

1. Admin
2. Customer

Admin – Responsible for managing the details and updating the menu.

Customer – Add the items to the cart by entering the details of the parcel. The customer can also remove the items from the cart that are added in the cart.

Find below are the list of use case diagram that represents the list of Use Cases that needs to be incorporated.

Diagram

Description automatically generated

## View Details

Admin will be able to view details and edit details like user registration approvals, update user database.

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| --- | --- |
| Use Case ID | CTSUC001 |
| Use Case Name | View Menu List (Admin) |
| Actor(s) | Admin |
| Description | View the list of user approvals available in the system |
| Pre-condition | Admin should have privilege to view Login menu details |
| Post-Condition | Menu is listed in the screen. Each menu item will have option to edit the menu item. |
| Basic Path | 1. User registers for the application. 2. Admin fetches the approval awaiting requests from the database. 3. Admin approves the request for valid users and update the database with their details. |

## Edit menu

Admin uses the edit menu to update the offers, policies, quotes, warehouse etc.

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| --- | --- |
| Use Case ID | CTSUC002 |
| Use Case Name | Edit menu(Admin) |
| Actor(s) | Admin |
| Description | View the list of menu to update the details in application |
| Pre-condition | Admin should have the privilege to update details |
| Post-Condition | Modified updates should be saved in the database. |
| Basic Path | 1. Admin opens the application in the browser. 2. Application fetches the data from database to update the details 3. Fetch the update offers and populate form with following details 4. Coupon code 5. Description 6. Discount 7. Start date 8. End date 9. Fetch the warehouse and populate form with following details 10. Branch Id 11. Branch Name 12. Branch Location 13. Contact Number 14. Updated details are saved in the database. |

## Add Items to a cart

Customer should enter all the details of the parcel and add to the cart.

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| --- | --- |
| Use Case ID | CTSUC003 |
| Use Case Name | Add Items to a cart |
| Actor(s) | Customer |
| Description | Customer is allowed to enter the details |
| Pre-condition | Customer should have the privilege to enter the details |
| Post-Condition | Added details are saved in the database |
| Basic Path | 1. Customer has to login to the application. 2. Customer should populate the form with following details 3. Weight of the package 4. Distance of the package to be delivered 5. Save the details and add the package to cart. 6. Confirmation message displayed to the user after adding the package to cart. |

Adds a menu item into the Cart to accumulate menu item selections into the Cart

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| Use Case ID | TYUC004 |
| Use Case Name | Add a Menu Item to Cart |
| Actor(s) | Customer |
| Description | Customer adds an item into Cart for accumulating the menu items that the customer wants to purchase. |
| Pre-condition | Customer should have Add to Cart privilege |
| Post-Condition | A menu item is added to customer’s Cart and the added item is listed when viewing the Cart |
| Basic Path | 1. Customer uses the Add to Cart option on a menu item from Menu Item List 2. The menu item is added in the Cart 3. Confirmation message displayed to the user after adding the menu item to Cart |

## View Items in cart

A customer views the list of items in the Cart. If there is no item, there should be a display message that there are not items in the cart.

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| --- | --- |
| Use Case ID | CTSUC004 |
| Use Case Name | View items in the cart |
| Actor(s) | Customer |
| Description | Customer views the list of items from the Cart |
| Pre-condition | Customer should have View Cart privilege |
| Post-Condition | Customer sees the list of items that he has added into the Cart |
| Basic Path | 1. User selects the option to view a Cart 2. Courier tracking system fetches the list of items from the cart of user 3. List of menu items in Customer’s Cart. Following menu item details displayed for each menu item in the Cart:    1. Item Name    2. Cost of transport 4. Each entry in the Cart will have option to delete |

## Remove an item from Cart

A customer can remove an item from the Cart

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| Use Case ID | CTSUC005 |
| Use Case Name | Remove item from Cart |
| Actor(s) | Customer |
| Description | Customer can remove the item from the cart |
| Pre-condition | The user should have Remove Cart privilege |
| Post-Condition | Selected menu item removed from the Cart |
| Basic Path | 1. User opens the Cart 2. User selects the Remove option on any one of the Item in the Cart 3. Courier application removes the item from the user’s Cart 4. In Cart screen, the Item is removed from the listing. 5. A message is displayed in the screen to denote that the item from the Cart is removed. |

## Track a package

Customer can track the shipment of their package

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| Use Case ID | CTSUC006 |
| Use Case Name | Track a package |
| Actor(s) | Customer |
| Description | User can track their package |
| Pre-condition | The user should have track package privilege |
| Post-Condition | The screen should display the current location of package and estimated arrival time of package |
| Basic Path | 1. User has to login into the web application 2. User should press the track a package button 3. It redirects to tracking application 4. User should enter the package Id and click track button 5. A messaged is displayed with the current package location and estimated date and time to the receiver address. |

# Change Log

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Changes Made | | | |
| V1.0.0 | Initial baseline created on <dd-Mon-yy> by <Name of Author> | | | |
| Vx.y.z | <Please refer the configuration control tool / change item status form if the details of changes are maintained separately. If not, the template given below needs to be followed> | | | |
| **Section No.** | **Changed By** | **Effective Date** | **Changes Effected** |
|  |  |  |  |