**Use Case Document Template**

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**Use Case Document**

**<Project Name>**

**Company Name**

**Street Address**

**City, State Zip Code**

**Date**

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# Introduction

The Use Case Document is a business document which provides a story of how a system, and its actors, will be utilized to achieve a specific goal. An effective Use Case should provide a detailed step-by-step description of how the system will be used by its actors to achieve the planned outcome. The purpose of the Use Case is to tie the business needs of the system to the design parameters of the system to ensure that the completed system achieves the goals established by the business requirements. The level of detail in Use Cases may vary greatly depending on the size and complexity of the system being designed.

These use cases aims to develop a parcel management system that enables users to input parcel details through a console interface. The system provides various functionalities such as viewing the user's parcel list, tracking the current location of a parcel, searching for a specific parcel, and requesting a callback. Additionally, an administrative interface allows the admin to add, view, delete, and update parcel details.

# Explanation of Use Case Contents

Use Case formats and contents may vary based on system requirements, organizational standards, or unique situations. However, a majority of Use Cases consist of some fundamental contents which may be applied across a wide range of system types. This section will provide explanations for each section of the Use Case.

Name of Use Case: Provide a short name for the use case which should lend itself to the objective of the system.

Description: This section should provide a description of both the reason for using the use case and the expected outcome of the use case.

Actors: Actors may be primary or secondary. Primary actors are the people who will be initiating the system described in the use case. Secondary actors are those will participate in the completion of the use case.

Precondition: This section should describe any conditions that must be true or activities that must be completed prior to executing the use case.

Postcondition: This section should describe the state of the system at the conclusion of the use case. Postconditions may include conditions for both successful and unsuccessful execution of the use case.

Flow: This section should describe all actions of the user and the expected system responses for planned normal execution of the use case. The description should be sequential and provide adequate detail to understand all user actions and system responses.

Exceptions: When use cases are executed, there may be various conditions which result in errors. This section should describe any errors that may result during use case execution and how the system will react or respond to those errors.

# 

# Sample Use Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Register | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of registering of a user. | | |
| **Actors:** | | Sender | | |
| **Preconditions:** | | 1. None | | |
| **Postconditions:** | | 1. The user is successfully registered into the application | | |
| **Flow:** | | 1. The user opens the Parcel Booking and Tracking application. 2. The application presents a registration screen. 3. The user enters their credentials. 4. The user submits the registration form. 5. The application verifies the credentials and creates a new user account. | | |
| **Exceptions:** | | 1.If the credentials are invalid, the application displays  an error message. | | |

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| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Login | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of logging in by a user. | | |
| **Actors:** | | Sender | | |
| **Preconditions:** | | 1. The user has a registered account with valid credentials | | |
| **Postconditions:** | | 1. The user is successfully logged into the application | | |
| **Flow:** | | 1. The user opens the Parcel Booking and Tracking application. 2. The application presents a login screen. 3. The user enters their username and password. 4. The user submits the login form. 5. The application verifies the credentials and grants access to the user. | | |
| **Exceptions:** | | 1.If the credentials are invalid, the application displays  an error message and prompts the user to enter valid  credentials | | |

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| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Add Parcel | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of adding a parcel by the Sender. | | |
| **Actors:** | | Sender | | |
| **Preconditions:** | | 1. The sender must be authenticated. | | |
| **Postconditions:** | | 1. The sender successfully added the parcel | | |
| **Flow:** | | 1. The Sender logs into the Parcel Booking and Tracking application. 2. The Sender provides the necessary information about the parcel, including sender details, recipient details and weight and submits it. 3. The application validates the form inputs, confirms the successful parcel booking and provides the Sender with a unique parcel id for future reference. 4. The application stores the parcel details into the system | | |
| **Exceptions:** | | 1. If the form inputs are invalid or incomplete, the application displays error messages and prompts the Sender to correct the information. | | |

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| **Name of Use Case:** | View Parcel Details | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of viewing parcel details by the Sender and Admin | | |
| **Actors:** | | Sender, Admin | | |
| **Preconditions:** | | 1. The sender must be authenticated. | | |
| **Postconditions:** | | 1. The sender and admin can view the parcel details | | |
| **Flow:** | | 1. The Sender and Admin logs in to the application. 2. The application displays a list of booked parcels. 3. The Sender and Admin can select a specific parcel from the list. 4. The application retrieves and displays the detailed information of the selected parcel. | | |
| **Exceptions:** | | 1. If no parcels are associated with the Sender's account, the application displays a message indicating no parcels found. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Search | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of searching the parcels by the Sender. | | |
| **Actors:** | | Sender | | |
| **Preconditions:** | | 1. The sender must be authenticated. | | |
| **Postconditions:** | | 1. Sender can search the parcel. | | |
| **Flow:** | | 1. The user logs in to the application. 2. Sender search for the parcel using the parcel id. 3. The application retrieves and displays parcel corresponding to the parcel id. | | |
| **Exceptions:** | | 1. If no parcels match the search criteria , the application displays a message indicating no parcels found. | | |

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| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Tracking | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of tracking the status of a parcel. | | |
| **Actors:** | | Sender, Admin | | |
| **Preconditions:** | | 1. The sender and Admin must be authenticated. | | |
| **Postconditions:** | | 1. Sender and Admin can view the tracking status | | |
| **Flow:** | | 1. The Sender and Admin logs into the application. 2. The Sender and Admin enters the parcel id of the parcel they want to track. 3. The application retrieves and displays the status and location of the parcel. | | |
| **Exceptions:** | | 1. If the parcel id is invalid or not found in the system, the application displays an error message and prompts the Sender and Admin to enter a valid parcel id. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Tracking | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of tracking the status of a parcel. | | |
| **Actors:** | | Sender, Admin | | |
| **Preconditions:** | | 1. The sender and Admin must be authenticated. | | |
| **Postconditions:** | | 1. Sender and Admin can view the tracking status | | |
| **Flow:** | | 1. The Sender and Admin logs into the application. 2. The Sender and Admin enters the parcel id of the parcel they want to track. 3. The application retrieves and displays the status and location of the parcel. | | |
| **Exceptions:** | | 1. If the parcel id is invalid or not found in the system, the application displays an error message and prompts the Sender and Admin to enter a valid parcel id. | | |

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| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Call Back | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of requesting a callback. | | |
| **Actors:** | | Admin | | |
| **Preconditions:** | | 1. The Admin must be authenticated. | | |
| **Postconditions:** | | 1. Admin can Successfully callback. | | |
| **Flow:** | | 1. The Admin logs in to the application. 2. When the receiver is not found Admin Callback the parcel using request id. 3. The parcel is return back to the sender address. | | |
| **Exceptions:** | | 1. If receiver is found, then parcel is successfully delivered and displays a success message. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | View User details | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of viewing user details by the admin. | | |
| **Actors:** | | Admin | | |
| **Preconditions:** | | 1. The Admin must be authenticated. | | |
| **Postconditions:** | | 1. Admin can view the User details. | | |
| **Flow:** | | 1. The Admin selects the desired user from a list of registered users. 2. The application retrieves and displays the user's details. | | |
| **Exceptions:** | | 1. If no users are available, then the application displays a message indicating no users found. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Manage Parcel details | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 2/15/xx | | **Last Revision Date:** | 2/22/xx |
|  | |  | | |
| **Description:** | | This use case describes the process of managing the parcel send the user. | | |
| **Actors:** | | Admin | | |
| **Preconditions:** | | 1. The Admin must be authenticated. | | |
| **Postconditions:** | | 1. Admin can manage the parcel details. | | |
| **Flow:** | | 1. The Admin logs in to the application. 2. The Admin can view, update, delete details according to the senders request. 3. Admi n can retrieve the updated list. | | |
| **Exceptions:** | | 1. If no parcel are available, then the application displays a message indicating no parcel found. | | |

Sponsor Acceptance

Approved by the Project Sponsor:

Date:

<Project Sponsor>

<Project Sponsor Title>

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