# ABC’s Inventory Management System

## Use case: Scan Barcode: Scan the barcode stuck on the label printed by a sending store

## Brief Description

**When** a staff

**Wants** to scan the barcode stuck on the label printed by a sending store

**They** scan the barcode on the parcel using a scanner

**So that** information about the contents of the parcel (items being sent) are known and ready to be updated in the database

## Trigger

The user uses the scanner to scan the barcode.

## Actors

## Store Staff

Store staff scan the barcode when a parcel is sent from another location and it needs to be accepted.

## Warehouse Staff

Warehouse staff scan the barcode when a parcel is sent from a store and it needs to be accepted.

## Related Use Cases

A staff must ‘Send stock’ from the sending location and generate a label which has a barcode.

Staff must have clicked on the ‘Accept stock’ option to scan the barcode on the label.

Staff must be logged in for them to be able to scan the barcode and view delivery details.

## Pre-Conditions

## Stocks are sent

Stocks must have been sent from a location and a label containing the barcode must have been generated and stuck on the parcel being sent.

## User Logged in

The staff is logged into their account.

## Post-Conditions

## Barcode is scanned

Barcode is scanned from the parcel sent from a location allowing user to view details about the contents of the parcel.

# Normal Flow

The use case begins when a member places their book in the return chute

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. User scans barcode from the label on the sent parcel. | 1. System displays the delivery code of the parcel with the option to accept the contents to the system i.e. update the database. |

The use case ends.

# Exception Flows

## Barcode not readable

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. User scans barcode from the label on the sent parcel. | 1. System cannot read the barcode. |

# Key Scenarios

## Barcode Scanned, matches delivery code

The barcode is scanned. The system finds a match with a record in the delivery/request table and displays those details on the screen.

## Barcode Scanned, does not match any delivery code

The barcode is scanned. The system does not find any match with a record in the delivery/request table and prompts the user to scan the barcode again.

# Other Quality Requirements

## Performance

The system must scan, and display accept stock button and details button in less than 3 seconds.

## Security

The system must only allow authenticated users to scan barcode to accept stock.