Mail Database Project

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Mailroom 2.0
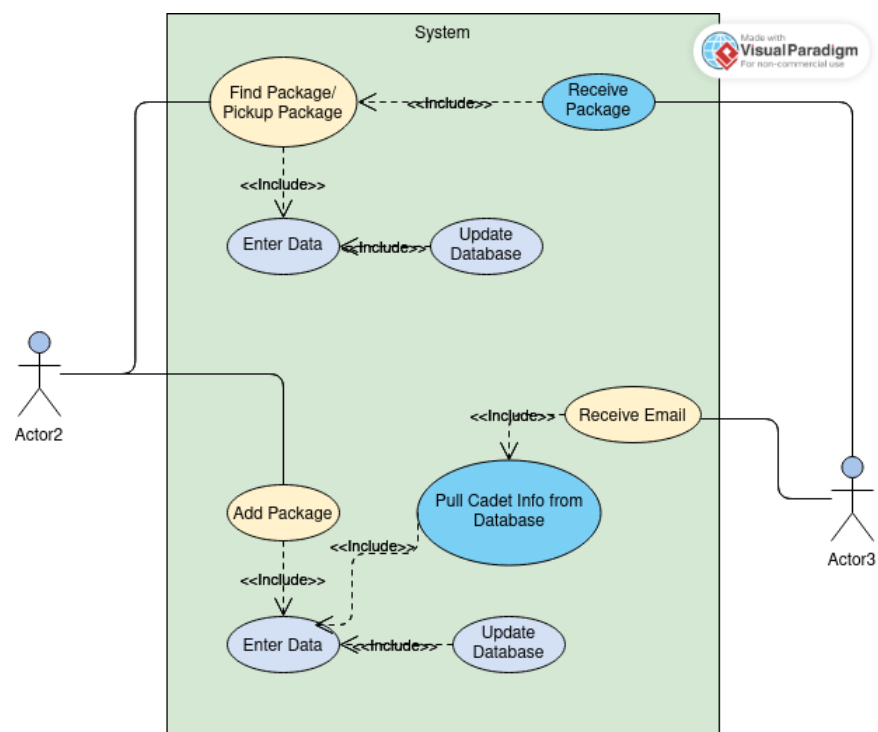
February 3, 2024

1 Contents

Functional Requirements

- Accept data entry

- Record tracking number and addressed box number for incoming packages

- Add entered information into sql database

- Associate incoming packages with Cadet information based on addressed box number

- Notify Cadet upon package arrival

- Record package status (Picked up or not)

- Search database for packages

- Display all packages matching search terms

- Easily update package status

- Developers will write code in an organized fashion, such that the system is easy to expand later.

Non Functional Requirements

- Will not misassociate packages

- Will allow package entry, given necessary data, within 5 seconds

- Will be easily navigable, with all system functions available within 5 clicks

- Will allow package retrieval, given sufficient search information, within 10 seconds

- Will never fail to retrieve Cadet information, given sufficient correct search information

- Will never allow a package entry without associated Cadet information and association

Use Case Diagram

System

Find Package/
Pickup Package

<<Include>>

Receive
Package

<<Include>>

Enter Data <<Include>> Update
Database

Actor2

<<Include>> Receive Email

Add Package

Pull Cadet Info from
Database

Actor3

<<Include>>

<<Include>>

Enter Data <<Include>> Update
Database

Actor 2: Employee, Actor 3: Cadet

Individual Use Cases

test

Dan

Receive Package

Christian

test

Dylan

test

Meeting Summaries

Meeting 1 - 30JAN2024

- Decided on division of labor

- Agreed on general project scope

- Began formulating Functional Requirements

Meeting 2 - 01FEB2024

- Created Use-Case Diagram

- Finished Functional Requirements

- Started Non Functional

- Started individual Use Cases

Meeting 3 - 02FEB2024

- Polished Use-Case Diagram

- Completed Requirements

- Finished Individual Components