# Pharmacy Error Tracker

# Use-Case: Add an error

1. Brief Description

When a user

Wants to add an error they enter the error details into the web form

So that the error can be stored and reported on later.

1. Actors
   1. Basic user

* A basic user of the system, with no additional permissions

1. Pre-Conditions
   1. An error has occurred in the pharmacy processes that needs to be recorded.
2. Normal Flow

The use case begins when the user begins entering the error details in the form.

|  |  |
| --- | --- |
| Actor | System |
| 1.1: The user enters the details of the errors into the various fields, then presses submit. | 2.1: The webpage validates the inputs, then sends them to the database. |
|  | 2.2: The record is added to the database. |
|  | 2.3: The database sends a success message to the webpage. |

The use case ends.

1. Alternate Flows
   1. Invalid Input

If at step 2.1 of the normal flow the record fails the sanity checks, then:

|  |  |
| --- | --- |
| Actor | System |
|  | 2.1.1: The webpage highlights the fields which have invalid/missing inputs and prompts the user to correct the inputs., indicating which fields failed their checks. |
|  | 2.1.2: Use case continues from step 1.1. |

1. Exception Flows
   1. Failure flow 1

If at step 2.1 of the normal flow the connection to the database is lost, then:

|  |  |
| --- | --- |
| Actor | System |
|  | 2.1.1: The database sends an error message to the user, indicating the problem. |

* 1. User abandoning use case

If at any step of the normal flow the user attempts to close the form, then:

|  |  |
| --- | --- |
| Actor | System |
|  | 3.1: The system creates a pop-up prompt asking the user if they want to discard the details entered so far. |
| 3.2 The user confirms they wish to close the form. | 3.3 The form is closed and all details entered are discarded. |

1. Post-conditions
   1. The record of the error should be created on the server.
2. Special (Non-Functional) Requirements
   1. Usability
      1. Most typical beginner users should be able to complete a new data entry within three minutes.
      2. Most typical experienced users should be able to complete a new data entry within 1.5 minutes.
   2. Availability  
      The Pharmacy Error Tracker application shall give users 99% operational availability.
   3. Response Times

Pharmacy Error Tracker application is to respond to user requests to save a new entry within 2 seconds.

* 1. Interface Constraints

The user interface is to limit the cognitive load of the user. It is to provide a self-evident navigation path for the user and minimise screen clutter.