Use Case: User Registration

## Brief Description

The goal of this use case is to register a user for access to the application. This will allow them to login, which will give them access to all other use cases.

# Included Use Cases

N/A

# Preconditions

Application is installed on mobile devices OR

Webapp has been navigated to on browser

User has no registered account

# Flow of Events

## Basic Flow – The user is authenticated and navigated to the dashboard

1. This use case begins when the user accesses the create a user field on mobile or webapp.
2. The system presents a username and password field, to be filled by the user
3. The user fills the fields and selects complete
4. The system checks the username against the database for duplicates
5. The system stores the username and password in an encrypted field
6. The system presents a success splash screen
7. The system redirects to the login page
8. The use case ends.

## Alternative Flows

N/A

## Exception Flows

E1: System determines username is already registered

1. This flow begins when the username is in use Reference step 4
2. The system returns a message to the user stating the username is in use.
3. The system redirects to step 2

# Requirements

# Post-conditions

1. The system has stored credentials for a new user in the database
2. The system allows for login

# Notes & Open Issues

N/A

# Out of Scope (Future Functionality)

1. Captcha possible for future if bots become an issue.

# Appendix A – Data Definition for Report List

| **Field Name** | **Description** | **Type** | **Valid Values** | **Default** | **Business Rules** |
| --- | --- | --- | --- | --- | --- |
| User Name | User Name | Text | cannot be longer than 15 characters  alphanumeric characters (letters A-Z, numbers 0-9) with the exception of underscores, | N/A |  |
| Password | Password | Text | Must not be longer than 20 characters  Must not contain the user's account name or parts of the user's full name that exceed two consecutive characters.  Must be at least six characters in length.  Must contain characters from three of the following categories:  English uppercase characters (A through Z).  English lowercase characters (a through z).  Base 10 digits (0 through 9).  Nonalphanumeric characters (for example, !, $, #, %). | N/A |  |