

**Name:** Cathal Killeen

**Project:** AFCA Chat

**Individual Project:**

*The individual portion is to be integrated with the group portion for Project Part 2. The individual portion is to work through from requirements through Use cases, Activity diagram, Sequence diagram and the class diagram to see how it all flows together. For this part, select one use case (or a group of use cases) that you will show in both an Activity diagram and a Sequence diagram.*

**Requirements:** List the Requirement ID # and description that you are working on in your individual portion of this Part 2.

Requirements from Group Part				
ID	Requirement	Topic Area	Actor	Priority
US-002	As a user, I need to be able to sign up for the application application - create unique account with email and password	Authentication	End Users	Critical
US-007	Reset password with simple UI	Authentication	End Users	High
US-015	As, a user, I must be able to edit basic info on my account (change username, email, passsword etc)	Customizability	End Users	High

**Use Case Document(s):**

- US-002: Sign Up for Account
- US-007: Password reset via email (ie. forgot password)
- US-015: Manage Account

<b>Use Case ID:</b>	US-002
<b>Use Case Name:</b>	Sign Up for account
<b>Description:</b>	As a user, I need to be able to sign up for the application application - create unique account with email, username, phone number and password
<b>Actors:</b>	End users
<b>Pre-conditions:</b>	User has downloaded application
<b>Post-conditions:</b>	User is now registered for application, and can login from any device to access their account

<b>Frequency of Use:</b>	Only once per user	
<b>Flow of events:</b>	<b>Actor Action</b>	<b>System Response</b>
	1. Open application	
	2. Click on ' <i>Sign Up for AFCA</i> ' button	Display sign up view to user
	3. Enter info into each field on the sign up page	
	4. Click ' <i>Sign Up</i> ' button	Send info to server, and validate if the information is in the correct format, and ensure that username, email etc have not already been used for an account, then create a new user in the database. Redirect user to main chat page with their new account
<b>Variations:</b>	4. User enters invalid info to form	
<b>Exceptions:</b>		
<b>Developer Notes:</b>		

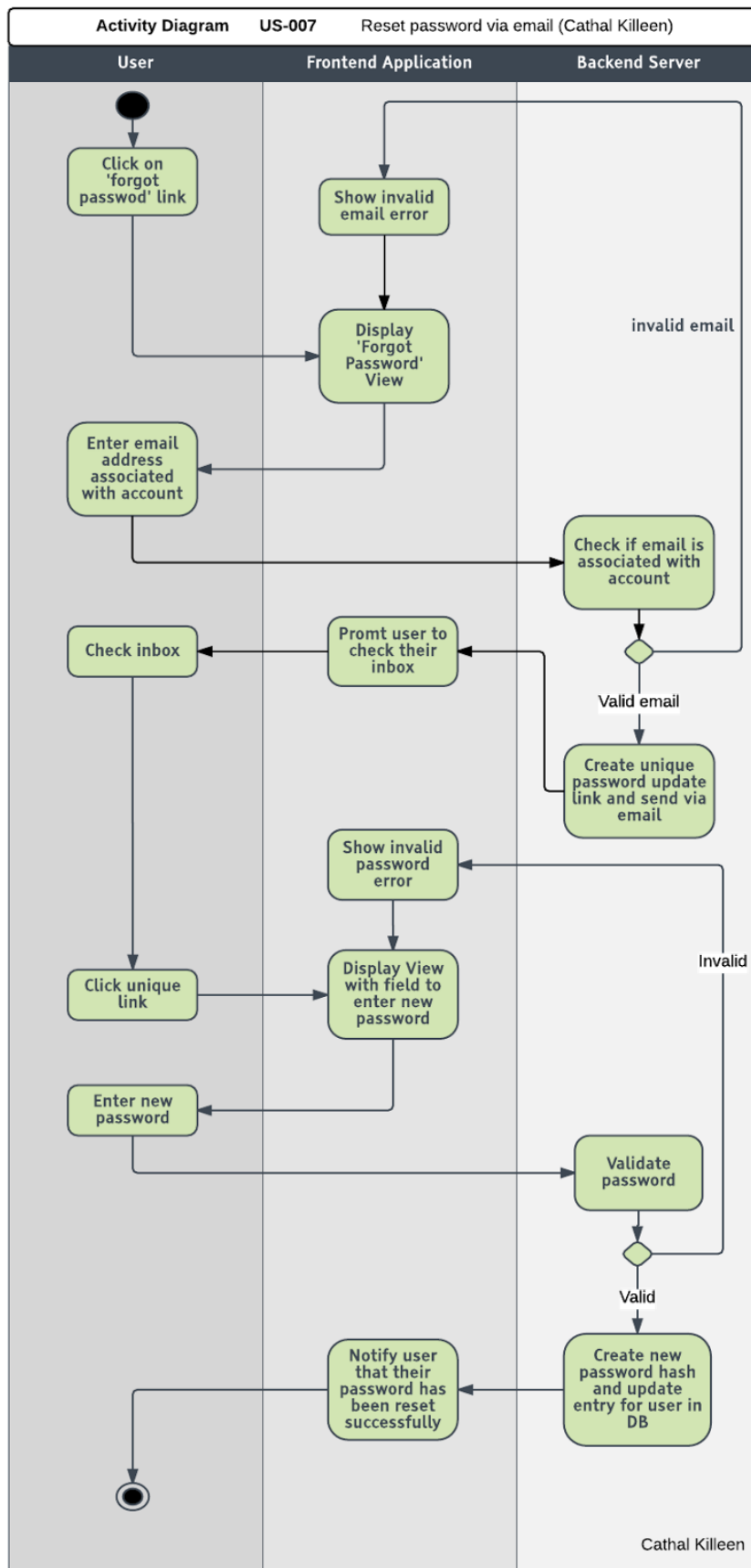
<b>Use Case ID:</b>	US-007	
<b>Use Case Name:</b>	Password reset via email	
<b>Description:</b>	If a user forgets their password, they can opt to reset their password via an email with a reset link to regain access to their account	
<b>Actors:</b>	End users	
<b>Pre-conditions:</b>	User has already signed up to AFCA chat, user forgot their password and cannot access their account	
<b>Post-conditions:</b>	User has a new password for their password for their account and can access again	
<b>Frequency of Use:</b>	Whenever a user forgets their password	
<b>Flow of events:</b>	<b>Actor Action</b>	<b>System Response</b>
	1. Open application	

	2. Click on ' <i>Forgot Password</i> ' button	Ask user to enter their email address
	3. Enter email address associated with account	
	4. Click ' <i>Send Password Reset Link</i> ' button	Validate the email address on the server then send a link to the email address
	5. Click on reset link in received email	Redirect to a webpage where the user can type their new password
	6. Type new password	
	7. Click on reset button	Validate new password and update password hash in the database
<b>Variations:</b>	7. If new password is invalid (too short, too common etc) then ask the user to try again	
<b>Exceptions:</b>	4. Restrict the number of times a user can request a reset link in a given time period (to avoid someone spamming them)	
<b>Developer Notes:</b>		

<b>Use Case ID:</b>	US-015	
<b>Use Case Name:</b>	Manage account	
<b>Description:</b>	Edit details of account	
<b>Actors:</b>	End users	
<b>Pre-conditions:</b>	User is logged in to their account, and is on the main view	
<b>Post-conditions:</b>	User has updated account info	
<b>Frequency of Use:</b>	Not regular	
<b>Flow of events:</b>	<b>Actor Action</b>	<b>System Response</b>
	1. Click on ' <i>Settings</i> ' button	Display settings view to user
	2. Click on 'Manage Account' button	Display Account Management View
	3. Update all properties that need to be changed (ie. enter them into displayed form fields)	

	4. Click ' <i>Update Account</i> ' button	Validate the new info and update the users account in the db accordingly
<b>Variations:</b>	4. User may be prompted to enter password/old password if sensitive information is being updated.	
<b>Exceptions:</b>		
<b>Developer Notes:</b>		

## Activity Diagram:



## User Interactions/Sequence Diagram:

### US-007 PASSWORD RESET VIA EMAIL SEQUENCE DIAGRAM

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