

## Project Part II

Daniel Yedidovich  
Project: AFCA Chat

### Requirements:

ID	Description
US-001	As a user, I need to be able to send and receive messages to/from any other user
US-005	As a user, I need to be able to login to my account using my username and password from any device
US-013	As a third-party developer, I need to have access to an API to create bots that can be used by end-users

### Use Case Documents:

Use Case ID	US-001
Use Case Name	Send/Receive
Description	As a user, I need to be able to send and receive messages to/from any other user

Actors:	Users		
Pre-conditions:	There is something in the message that has to be sent or received (eg text, image, audio, etc.)		
Post-conditions:	The image is successfully received by the recipient and the sender has received confirmation of that.		
Frequency of use:	Every time a user sends a message		
Flow of events:		Actor Action	System Response
	1	User 1 enters content into the message	
	2	User 1 hits the send button	System sends the message to the server and then to the recipient. After the receiver confirms delivery, the message is deleted from the server and sender gets a confirmed received notice
	3	User 2 opens the message	The system sends the sender a notice that the message has been read
Variations:	The message can be text, audio, video, or image.		

<b>Exceptions:</b>	
<b>Developer Notes:</b>	

<b>Use Case ID</b>	US-005
<b>Use Case Name</b>	Login
<b>Description</b>	As a user, I need to be able to login to my account using my username and password from any device

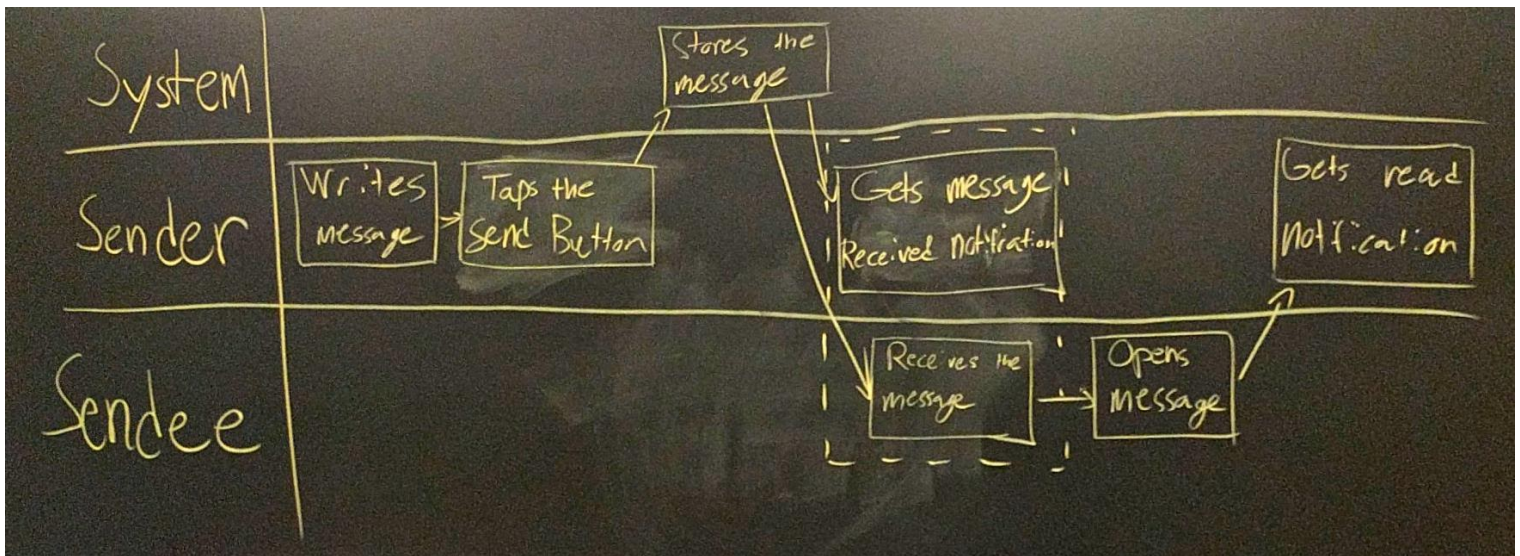
Actors:	Users		
Pre-conditions:	User has already set up an account with AFCA and has downloaded and installed the AFCA app		
Post-conditions:	The user is successfully logged in and is able to access all their conversations and send messages		
Frequency of use:	Whenever the user access the service from a new device or had previously logged out in their app		
Flow of events:		Actor Action	System Response
	1	User enters their username and password	
	2	User clicks on the login button	System takes their login information and, if it's correct, logs them into their account and allows them to access their data
Variations:	If the user enters the wrong username/password combination they will be told that their combination is wrong and will be given the option to try again or reset their password		
Exceptions:			
Developer Notes:			

<b>Use Case ID</b>	US-013
<b>Use Case Name</b>	Access API
<b>Description</b>	As a third-party developer, I need to have access to an API to create bots that can be used by end-users

<b>Actors:</b>	Third-party developers and bots
<b>Pre-conditions:</b>	The developer or bot has an API key

<b>Post-conditions:</b>	The developer or bot is able to send and receive messages through the AFCA service	
<b>Frequency of use:</b>	Whenever a bot must send or receive data	
<b>Flow of events:</b>	Actor Action	System Response
	1 The developer creates a proper call to the AFCA API and creates a function that sends a message to some receiver	
	2 Bot calls that function	System sends the message to the server and then to the recipient. After the receiver confirms delivery, the message is deleted from the server and sender gets a confirmed received notice
<b>Variations:</b>	The bot can also receive messages by waiting for a call from the AFCA servers	
<b>Exceptions:</b>		
<b>Developer Notes:</b>		

#### Activity Diagram:



## User Interactions:

