

Use Case Name:	Change Personal Information	
Scenario:	User changing their personal information.	
Triggering Event:	User goes to the setting to modify their personal information inside "General Settings".	
Brief Description:	The user changes their account's personal information such as username, email and password by re-entering them.	
Actors:	User, Admin, Owner.	
Related Use Cases:	Can be invoked by ' <i>Change General Settings</i> ' use case, and can also invoke the use case ' <i>Re-authenticate User (Verify Credentials)</i> ' when changing sensitive personal information.	
Stakeholders:	Database Administrators	
Preconditions:	- User authentication services must be available	
Postconditions:	- Updated information must be saved properly into the database - If email is changed, it must be validated whether it actually exists or not - Displayed personal information such as username must be updated app-wide for the viewpoints of other users	
Flow of Activities:	Actor	System
	1. User goes to the General Settings section and opts to change their personal information. 2. User inputs new username, email or password.	1.1 System retrieves current user's information 1.2 System shows it to user and prompts user to update the data 2.1 If the information is sensitive (password/email), the system re-authenticates the user to verify. 2.2 If the email is updated, the system re-validates whether the email actually exists or not. 2.3 System updates user's personal information based on input.
Exception Conditions:	1. The inputted email is not valid 2. The user fails the re-authentication system	

Use Case Name:	Mention Other Users	
Scenario:	User notifying another user by mentioning their username.	
Triggering Event:	User explicitly typing and tagging another user's username in a message on an existing server.	
Brief Description:	The user mentions another user by tagging their username while messaging, and in turn notifies the tagged user directly.	
Actors:	User, Admin, Owner.	
Related Use Cases:	Must invoke the use case 'View All Members' before being able to mention any user in a given server text channel.	
Stakeholders:	Server Administrators and Owners, Tagged User	
Preconditions:	<ul style="list-style-type: none"> - User must be authenticated - User must have access to view all server members and the necessary permission to tag other users 	
Postconditions:	- Mentioned users are notified by System	
Flow of Activities:	Actor	System
	1. User types a message in a server text channel, starting with the '@' symbol. 2. User selects a username from the provided list or completes typing the username. 3. User sends the message.	1.1 System detects the @ symbol and provides an autocomplete suggestion of the server's members names 2.1 System validates the username against the list of server members. 3.1 System sends the message in the text channel and tags the mentioned user. 3.2 System notifies the mentioned user.
Exception Conditions:	1. Invalid mentioned username 2. User doesn't have permission to mention other users	

Use Case Name:	Search Messages in Conversation	
Scenario:	User searches for a text in a private message with another user.	
Triggering Event:	User goes to the search bar in the private message and inputs a text to search it.	
Brief Description:	The user searches for a message text inside a PM with another user, and can view the results.	
Actors:	User, Admin, Owner.	
Related Use Cases:	Must invoke the use case ' <i>View ALL Messages in Conversation</i> ' before being able to search any text message inside the private message.	
Stakeholders:	PM Recipient User, Database Administrators	
Preconditions:	<ul style="list-style-type: none"> - User must be authenticated - Messaging services must be available 	
Postconditions:	<ul style="list-style-type: none"> - Search results are shown to the user 	
Flow of Activities:	Actor	System
	1. User goes to the search bar and inputs a text message. 2. The user can now navigate the results shown by the system	1.1 System reads input and begins searching the message from all the messages inside the private conversation between the user and the recipient. The results are directly shown to the user
Exception Conditions:	1. Search yields no results	

Use Case Name:	Edit Server Member Roles	
Scenario:	Admins or Owners change the roles of other server members.	
Triggering Event:	Admins or Owners want to assign or edit roles accordingly to server members.	
Brief Description:	Admins or Owners change the role assignments of server members, giving them certain permissions to do various things in the server, relating to channels and server management.	
Actors:	Admin, Owner.	
Related Use Cases:	Must invoke the use case 'View ALL Members' before being able to edit server members' roles.	
Stakeholders:	Server Members, Database Administrators	
Preconditions:	<ul style="list-style-type: none"> - Required permissions must be possessed - Desired user for role editing must be in the server 	
Postconditions:	<ul style="list-style-type: none"> - The newly assigned/edited role of the server member is saved in the server 	
Flow of Activities:	Actor	System
	1. Admin or Owner navigates to the server's settings and goes to the roles menu. 2. Admin or Owner edits the role(s) of multiple server member(s) in the menu, and saves changes.	1.1 The system shows all the server members, and prompts the Admin or Owner to edit their roles. 2.1 System updates the roles of the server members in the server.
Exception Conditions:	1. System shows errors when roles are saved.	