

Use Case ID:	1		
Use Case Name:	Register for a new account and update password		
Created By:	Liu Aiqi	Last Updated By:	Juliet
Date Created:	8 th February 2022	Date Last Updated:	15 th April 2022

Actor:	User
Description:	Registration for a new user account.
Preconditions:	<ol style="list-style-type: none"> 1. The user account must not already be in the database. 2. Device must be connected to Wi-Fi/ mobile data
Postconditions:	<ol style="list-style-type: none"> 1. A verification code will be sent to the user's email address and/or phone number for registration. 2. A new user account is created and added to the database
Priority:	Medium
Frequency of Use:	1 to 3 times per lifetime
Flow of Events:	<ol style="list-style-type: none"> 1. User enters a valid username, email address, password, and confirm password fields. 2. User clicks on the 'Register' option 3. The system validates the password and the confirm password fields are identical. 4. The system validates the email in a valid format (e.g., test@email.com). 5. The system checks that the email does not already exist in the database. 6. System creates an account with the username, email, and password and adds it to database. 7. System displays message "Your account has been successfully created" 8. The system will send verification code to the email address. 9. User enters verification code. 10. System validates verification code entered is the same as verification code sent. 11. System displays message "Your account has been verified." 12. User update password with email and new password. 13. System checks that the account is verified. 14. Display success message "Your password has been changed."

Alternative Flows:	<p>AF-S3: System detects mismatch between the password and the confirm password fields:</p> <ol style="list-style-type: none"> 1. System displays error message “Passwords do not match.” 2. Return to step 1. <p>AF-S6: System detects mismatch between the verification code sent and the verification code that was input</p> <ol style="list-style-type: none"> 1. System displays error message “Invalid verification code” 2. User clicks on the ‘Resend’ option 3. Return to step 8. <p>AF-S12: System detects that account is not verified.</p> <ol style="list-style-type: none"> 1. System redirects user to verification UI. 2. Return to step 8.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	<p>An account is created without having to validate verification code. Verification is only needed for changing passwords.</p>

Use Case ID:	2		
Use Case Name:	Verify Login Credentials		
Created By:	Juliet	Last Updated By:	Juliet
Date Created:	8 th February 2022	Date Last Updated:	17 th April 2022

Actor:	System
Description:	To authenticate an account using username and password
Preconditions:	<ol style="list-style-type: none"> 1. Device must be connected to Wi-Fi/ Mobile data 2. User's account must exist in the database
Postconditions:	<ol style="list-style-type: none"> 1. Users can chat with other users using the application 2. Users can add medical facilities to their list of bookmarks 3. Users can retrieve their list of bookmarked medical facilities 4. Users can remove medical facilities from their list of bookmarks 5. Users can post or comment on the forum
Priority:	Medium
Frequency of Use:	-
Flow of Events:	<ol style="list-style-type: none"> 1. Users enter their username and password in the login interface 2. User clicks on Login 3. System validates user's account details with the database 4. System authenticates the user to login successfully
Alternative Flows:	<p>AF-S2: User clicks on Login with empty username or password</p> <ol style="list-style-type: none"> 1. System displays error message "Please input username." or "Please input password." 2. User fills in the empty field(s) for username or password 3. Return to step 2 <p>AF-S3: User enters the wrong account details</p> <ol style="list-style-type: none"> 4. System displays error message "Invalid username or password." 5. Return to step 1
Exceptions:	<ol style="list-style-type: none"> 1. Network not available
Includes:	-

Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	3		
Use Case Name:	Search for a medical facility using filters		
Created By:	Juliet	Last Updated By:	Juliet
Date Created:	8 th February 2022	Date Last Updated:	17 th April 2022

Actor:	User
Description:	To search for medical facilities using filters
Preconditions:	1. Device must be connected to Wi-Fi/Mobile Data
Postconditions:	1. List of medical facilities will be displayed by the system depending on user's filters (if any)
Priority:	High
Frequency of Use:	-
Flow of Events:	<ol style="list-style-type: none"> 1. User enters a part or whole of a name of a medical facility in the search bar 2. User clicks the search icon without changing any filters 3. The system displays a list of medical facilities that includes user's input and filters (if any). 4. Users click on a medical facility displayed. 5. The system displays more detailed information about the medical facility.
Alternative Flows:	<p>AF-S2: User add filters to the search</p> <ol style="list-style-type: none"> 1. Users can filter the search using rating (Rating>3.5, Rating>4.0 etc.) and type of medical facility ('hospital', 'hospice' etc.). 2. Users can sort the search result by alphabetical order, type of medical facility or rating (from highest to lowest). 3. The system changes search result based on the user's input and filter selected. 4. Return to step 3
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	4		
Use Case Name:	Chat with another user		
Created By:	Juliet	Last Updated By:	Juliet
Date Created:	8 th February 2022	Date Last Updated:	17 th April 2022

Actor:	User
Description:	To chat with another user about medical facilities
Preconditions:	<ol style="list-style-type: none"> 1. Device must be connected to Wi-Fi/Mobile Data for both parties 2. Users must be logged into their account
Postconditions:	<ol style="list-style-type: none"> 1. Users can interact with other users using the application
Priority:	High
Frequency of Use:	-
Flow of Events:	<ol style="list-style-type: none"> 1. User navigates to the forums page 2. User clicks on a post by another user 3. User clicks on “<i>Message</i>” button beside the name of the post’s user. 4. The system starts private message with the post’s user and changes to message interface. 5. The system checks for previous messages (if any) and gets private messages between User and post’s User. 6. User sends a message. 7. Post’s User get message from system (if any). 8. Post’s User sends message to User.
Alternative Flows:	<p>AF-S2: User is not logged in</p> <ol style="list-style-type: none"> 1. System redirects user to login interface. 2. Users key in their username and password to login. 3. Return to step 2 <p>AF-S6: User’s message is not sent successfully</p> <ol style="list-style-type: none"> 1. System display error message 2. return to step 6.
Exceptions:	-
Includes:	-

Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	5		
Use Case Name:	Adding new posts and comments to the Forum page		
Created By:	Juliet	Last Updated By:	Juliet
Date Created:	9 th February 2022	Date Last Updated:	17 th April 2022

Actor:	User
Description:	Post or comment in forum page.
Preconditions:	<ol style="list-style-type: none"> 1. Device must be connected to Wi-Fi/Mobile Data 2. Users must be logged into their account
Postconditions:	<ol style="list-style-type: none"> 1. All users will be able to view posts in the forum 2. Registered users, who have logged in, will be able to post and comment in the forum
Priority:	High
Frequency of Use:	-
Flow of Events:	<ol style="list-style-type: none"> 1. User navigates to the forums page. 2. The system displays a list of all posts by all users. 3. User clicks on add new posts. 4. Users type their title and content and click on “Post.” 5. The system displays a new updated list of all posts. 6. User clicks on a particular post. 7. User clicks on add comment. 8. User types a comment and click on comment. 9. System adds and displays the new comment on that post.
Alternative Flows:	<p>AF-S3 and S7: User is not logged in</p> <ol style="list-style-type: none"> 1. User is directed to the login page. 2. Users key in their username and password to login. 3. Return to step 1
Exceptions:	-
Includes:	-

Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	6		
Use Case Name:	Adding medical facilities to Bookmark		
Created By:	Juliet	Last Updated By:	Juliet
Date Created:	9 th February 2022	Date Last Updated:	17 th April 2022

Actor:	User
Description:	Add medical facilities to personal list of bookmarks
Preconditions:	<ol style="list-style-type: none"> 1. Device must be connected to Wi-Fi/Mobile Data 2. User must be logged in
Postconditions:	<ol style="list-style-type: none"> 1. Chosen medical facility is added to bookmarks
Priority:	High
Frequency of Use:	-
Flow of Events:	<ol style="list-style-type: none"> 1. User navigates to a list of medical facilities 2. User clicks on a particular medical facility 3. User clicks on the bookmark icon beside the name of the medical facility. 4. System adds that medical facility to the user's bookmark
Alternative Flows:	<p>AF-S2: User is not logged in</p> <ol style="list-style-type: none"> 4. User is directed to the login page. 5. Users key in their username and password to login. 6. Return to step 1
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

