Friendstagram:
Personal Friends Recommender

Use Case Model

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Document Information

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Revision History

Name	Date	Reason For Changes	Version
Jovan Huang, Clarence Hong & Hui Zhan	05/02/2022	Added use cases 1 to 7	1.0
Clarence Hong	07/02/2022	Update use case 1 and 6	1.1
Clarence Hong	30/03/2022	Update use case 1	2.0

Use Case List

Use Case #	Primary Actor	Use Cases
1	User	Register account
2	User	Log into account
3	User	Log out account
4	User	Find friends
5	User	View recommended friend profile
6	User	View personal profile
7	User	Edit personal profile
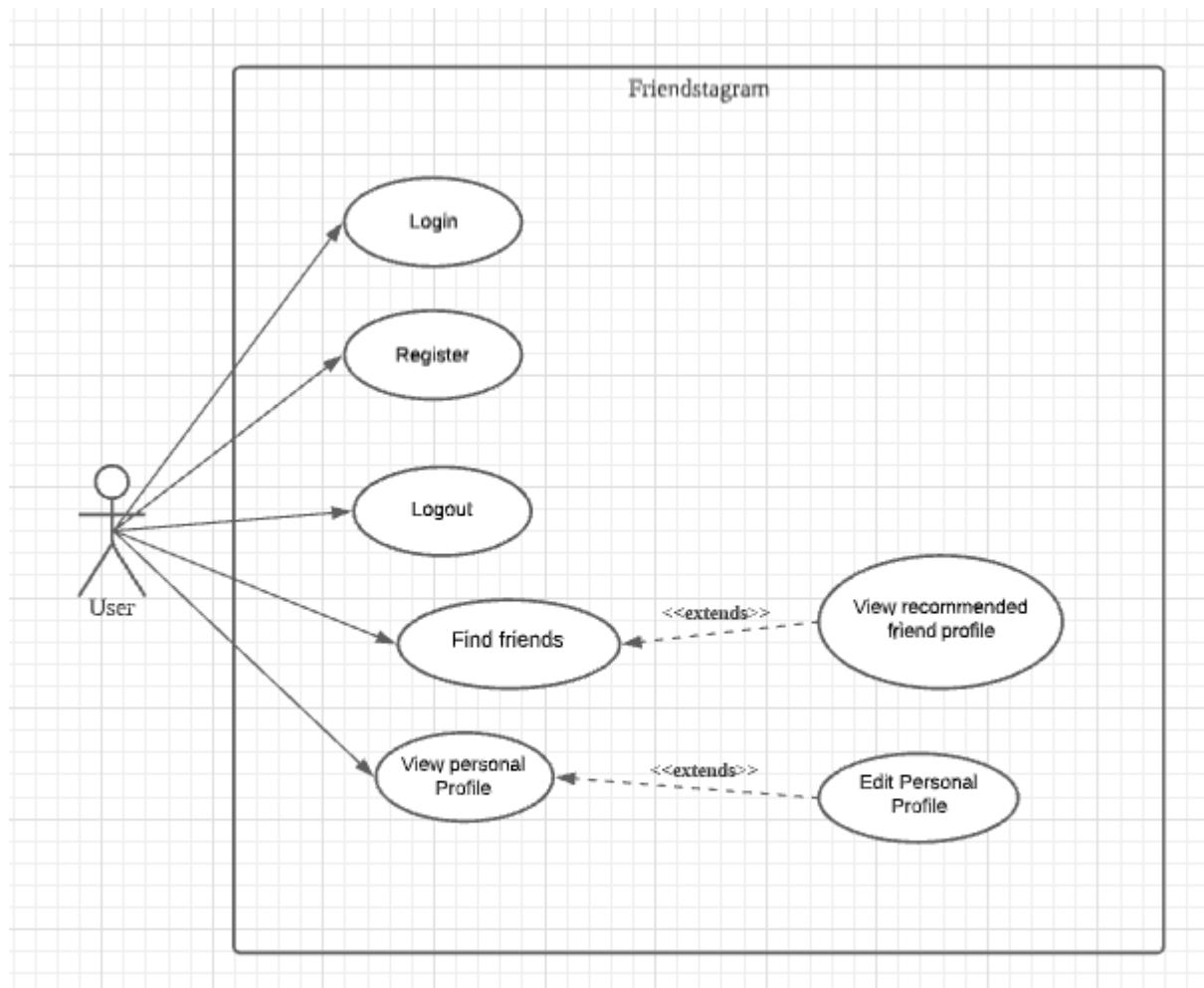
Figure 1: Friendstagram Use Case Model

Use Case ID:	1	
Use Case Name:	Register account	
Created By:	Clarence Hong	Last Updated By:	Jovan Huang
Date Created:	04/02/2022	Date Last Updated:	05/02/2022

Actors:	User
Description:	Create new user account in the system
Trigger:	User clicks on sign up in the login page
Preconditions:	1. User does not have an account yet 2. User is in login page
Postconditions:	1. User is successfully logged in with new account

Normal Flow:	1. User clicks on the 'Sign up' in the login page
	
	2. User is redirected to register page
	
	3. User must enter the following fields:
	
	    a. Email
	
	    b. Password
	
	    c. Re-enter password
	
	4. User picks a hall location (have 'no hall' option) from a drop down list and clicks on 'Next'
	
	5. User selects at least 1 personal interest from a list of interests provided and clicks on 'Next'
	
	6. User rates the interest(s) that he/she picked in 5. on a scale from 0 to 5.
	
	7. User fills in 'About Me' section
	
	8. User clicks on 'Sign Up' button

	9. System creates a new account in database
	10. System automatically logs user in
	11. User successfully logs in
	12. User is redirected to matched friends page
Alternative Flows:	-
Exceptions:	E.1. The password does not meet the minimum requirements (minimum 8 characters). Password field will alert the user that the password is invalid.
	E.2. The password re-entered does not match the initial password keyed in, Re-enter password field will alert the user that the passwords do not match.
	E.3. The email is not keyed in. The email field will alert the user that the email is invalid.
	E.4. No personal interest was selected. 'Next' button will be greyed out and unclickable.
Includes:	-
Priority:	Medium
Frequency of Use:	Low (Once per account)
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	2		
Use Case Name:	Log into account		
Created By:	Clarence Hong	Last Updated By:	Jovan Huang
Date Created:	04/02/2022	Date Last Updated:	05/02/2022

Actors:	User
Description:	Authenticate the user into the system
Trigger:	User clicks on the login button in the login page
Preconditions:	1. User is not yet authenticated into the system 2. User is in home page
Postconditions:	1. User successfully logs into account
Normal Flow:	1. User clicks on the navigation bar from the top right corner. 2. The navigation bar expands, showing 'Login/Sign Up' and 'Profile' buttons 3. User clicks on 'Login/Sign up' button 4. Users enters email 5. User enters password 6. User clicks on 'Sign In' button 7. System authenticates user's information by checking with database 8. User successfully logs in 9. User is redirected to home page
Alternative Flows:	1.1 User clicks on 'Find friends' button 1.2 User is redirected to login page

	1.3 User goes through steps 4 - 9
Exceptions:	-
Includes:	-
Priority:	High
Frequency of Use:	High (Once per session)
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	3
Use Case Name:	Log out of account

Created By:	Clarence Hong	Last Updated By:	Clarence Hong
Date Created:	04/02/2022	Date Last Updated:	04/02/2022

Actors:	User
Description:	User logs out of their personal account
Trigger:	The user clicks on the logout button
Preconditions:	1. User must be logged in
Postconditions:	1. User will be logged out of their account 2. System will return to the state for an unauthenticated user
Normal Flow:	1. User clicks on the top right navigation bar and sees a 'Logout' button in the expanded navigation bar 2. User clicks on the 'Logout' button 3. System successfully logout user from personal account 4. User is redirected to home page
Alternative Flows:	-
Exceptions:	-
Includes:	-
Priority:	Medium
Frequency of Use:	Medium (Zero or more times per session)

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

Use Case ID:	4		
Use Case Name:	Find friends		
Created By:	Jovan Huang	Last Updated By:	Jovan Huang
Date Created:	05/02/2022	Date Last Updated:	05/02/2022

Actors:	User
Description:	User requests for recommendation on new potential friends
Trigger:	The user clicks the 'Find Friends' button on the home page
Preconditions:	1. User is logged in 2. User is in homepage
Postconditions:	1. User sees a 'friends matched' page, showing a list of cards. Each card represented a potential new friend.
Normal Flow:	1. User clicks on the 'Find friends' button 2. User is directed to a loading page while the back-end server generates all the potential new friends 3. User is then directed to a page which shows a list of recommended new potential friends in the interface and each new potential friend will be represented as a card 4. User can see friend's interests in each card
Alternative Flows:	-
Exceptions:	-
Includes:	-
Priority:	High

Frequency of Use:	Medium (At least one time per session)
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	5		
Use Case Name:	View a recommended friend profile		
Created By:	Jovan Huang	Last Updated By:	Jovan Huang
Date Created:	05/02/2022	Date Last Updated:	05/02/2022

Actors:	User
Description:	User chooses to see a recommended friend profile
Trigger:	The user clicks one of the cards on the 'friends matched' page.
Preconditions:	1. User is on the 'friends matched' page. 2. User is logged in
Postconditions:	1. User sees the profile of the chosen recommended friend which shows the name, lists of interests and email
Normal Flow:	1. User choose to find out more about a new potential friend by clicking on his/her cards on 'friends matched' page 2. User is directed to a page that shows details about the new potential friend such as email, bio, hall and list of interests
Alternative Flows:	-
Exceptions:	-
Includes:	-
Priority:	High
Frequency of Use:	Medium (At least one time per session)
Business Rules:	-

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

Use Case ID:	6		
Use Case Name:	View personal profile		
Created By:	Jovan Huang	Last Updated By:	Clarence Hong
Date Created:	05/02/2022	Date Last Updated:	07/02/2022

Actors:	User
Description:	User wants to view his/her personal profile
Trigger:	The user clicks "Profile" after clicking on the top right hand navigation bar of any page.
Preconditions:	1. User is logged in
Postconditions:	1. User sees his/her own profile and history of matched friends
Normal Flow:	1. User clicks on the top right hand navigation bar before clicking on "Profile" 2. User is directed to a page that shows his/her profile and personal information like email, interest, hall accommodation details and history of matched friends and an edit button
Alternative Flows:	-
Exceptions:	E.1. If there is no history of matched friends, there will be a message saying that there is no history
Includes:	-
Priority:	High
Frequency of Use:	Medium (Zero or more times per session)
Business Rules:	-

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

Use Case ID:	7		
Use Case Name:	Edit personal profile		
Created By:	Jovan Huang	Last Updated By:	Jovan Huang
Date Created:	05/02/2022	Date Last Updated:	05/02/2022

Actors:	User
Description:	User wants to edit his/her personal profile
Trigger:	The user clicks the 'Edit' button in the "Profile" page.
Preconditions:	1. User is logged in 2. User is in the "Profile" Page.
Postconditions:	1. User sees his/her own updated profile with personal information like email, interest, hall accommodation details and history of matched friends

Normal Flow:	1. User clicks the 'Edit' button in the "Profile" Page.
	
	2. User is redirected to the registration page that shows his/her current personal information like email, interest, hall accommodation details and history of matched friends.
	
	3. User can edit the following fields:
	
	    a. Password
	
	    b. Re-enter password
	
	4. User re-picks a hall location from a drop down list and clicks on the 'Next' button.
	
	5. User re-selects at least 1 personal interest from a list of interests provided and clicks on the 'Next' button.
	
	6. User re-rates the interest(s) that he/she picked previously on a scale from 0 to 5.
	
	7. User enters a new bio in "About me" section.
	
	8. Then, User clicks on "Confirm Changes" and is directed to the "Profile" Page.

Alternative Flows:	-
Exceptions:	E.1. The password does not meet the minimum requirements (minimum 8 characters). Password field will alert the user that the password is invalid. E.2. The password re-entered does not match the initial password keyed in, Re-enter password field will alert the user that the passwords do not match. E.3 No personal interest was selected. Upon selecting 'Next', users will be alerted to select at least one interest before they can move to the next page.
Includes:	-
Priority:	Medium
Frequency of Use:	Medium (Zero or more times per session)
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-