

# Friendstagram: Personal Friends Recommender

## Use Case Model

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# Document Information

Project Title: Friendstagram	Version: 2.0
Document Title: Use Case Description	Version Date: 30/03/2022

## 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

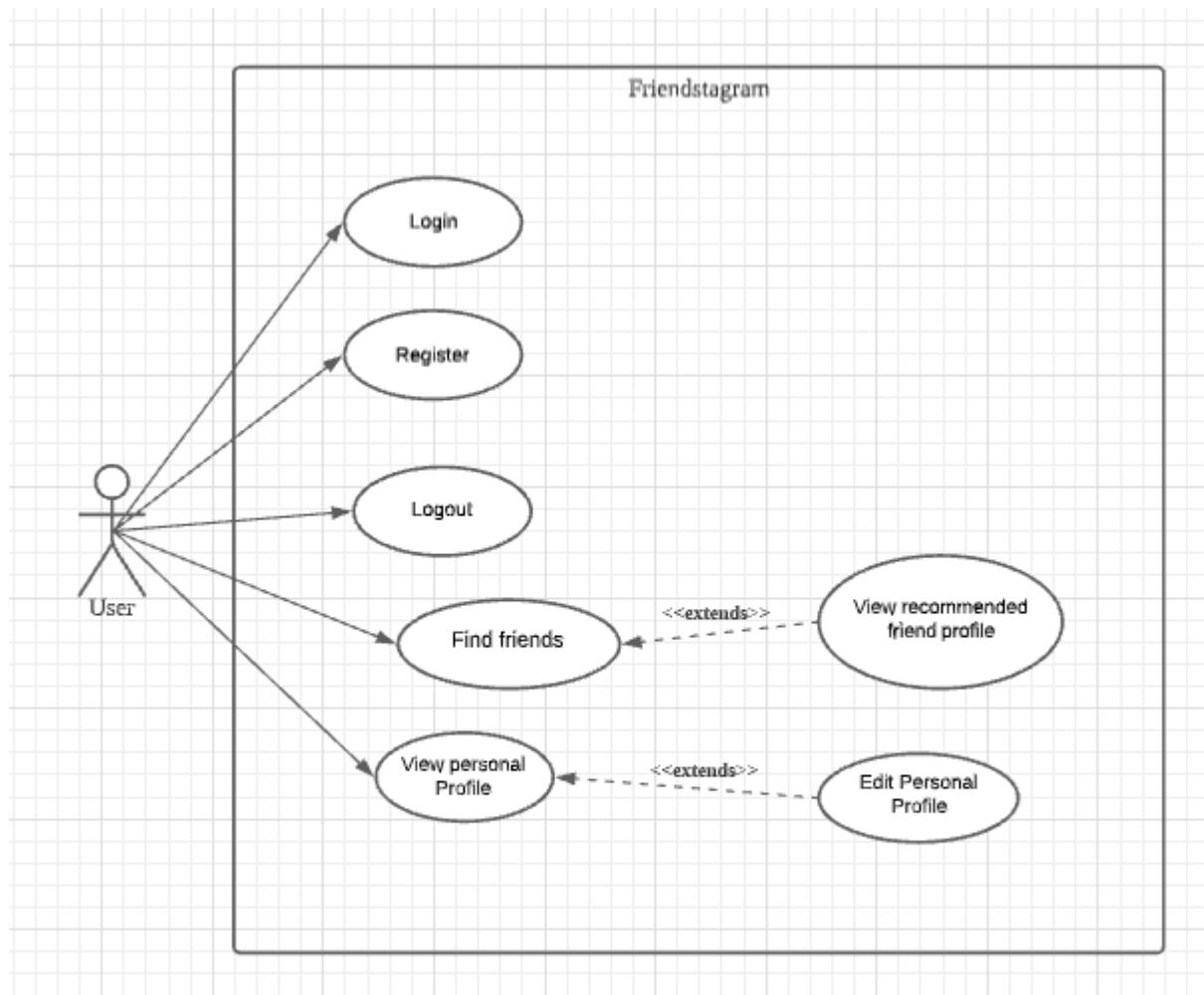


Figure 1: Friendstagram Use Case Model

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:	<ul style="list-style-type: none"> <li>1. User does not have an account yet</li> <li>2. User is in login page</li> </ul>
Postconditions:	<ul style="list-style-type: none"> <li>1. User is successfully logged in with new account</li> </ul>
Normal Flow:	<ul style="list-style-type: none"> <li>1. User clicks on the ‘Sign up’ in the login page</li> <li>2. User is redirected to register page</li> <li>3. User must enter the following fields: <ul style="list-style-type: none"> <li>a. Email</li> <li>b. Password</li> <li>c. Re-enter password</li> </ul> </li> <li>4. User picks a hall location (have ‘no hall’ option) from a drop down list and clicks on ‘Next’</li> <li>5. User selects at least 1 personal interest from a list of interests provided and clicks on ‘Next’</li> <li>6. User rates the interest(s) that he/she picked in 5. on a scale from 0 to 5.</li> <li>7. User fills in ‘About Me’ section</li> <li>8. User clicks on ‘Sign Up’ button</li> </ul>

	<p>9. System creates a new account in database</p> <p>10. System automatically logs user in</p> <p>11. User successfully logs in</p> <p>12. User is redirected to matched friends page</p>
Alternative Flows:	-
Exceptions:	<p>E.1. The password does not meet the minimum requirements (minimum 8 characters). Password field will alert the user that the password is invalid.</p> <p>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.</p> <p>E.3. The email is not keyed in. The email field will alert the user that the email is invalid.</p> <p>E.4. No personal interest was selected. ‘Next’ button will be greyed out and unclickable.</p>
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:	<ul style="list-style-type: none"> <li>1. User is not yet authenticated into the system</li> <li>2. User is in home page</li> </ul>
Postconditions:	<ul style="list-style-type: none"> <li>1. User successfully logs into account</li> </ul>
Normal Flow:	<ul style="list-style-type: none"> <li>1. User clicks on the navigation bar from the top right corner.</li> <li>2. The navigation bar expands, showing 'Login/Sign Up' and 'Profile' buttons</li> <li>3. User clicks on 'Login/Sign up' button</li> <li>4. User enters email</li> <li>5. User enters password</li> <li>6. User clicks on 'Sign In' button</li> <li>7. System authenticates user's information by checking with database</li> <li>8. User successfully logs in</li> <li>9. User is redirected to home page</li> </ul>
Alternative Flows:	<ul style="list-style-type: none"> <li>1.1 User clicks on 'Find friends' button</li> <li>1.2 User is redirected to login page</li> </ul>

	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:	<ol style="list-style-type: none"> <li>1. User must be logged in</li> </ol>
Postconditions:	<ol style="list-style-type: none"> <li>1. User will be logged out of their account</li> <li>2. System will return to the state for an unauthenticated user</li> </ol>
Normal Flow:	<ol style="list-style-type: none"> <li>1. User clicks on the top right navigation bar and sees a 'Logout' button in the expanded navigation bar</li> <li>2. User clicks on the 'Logout' button</li> <li>3. System successfully logout user from personal account</li> <li>4. User is redirected to home page</li> </ol>
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:	<ul style="list-style-type: none"> <li>1. User is logged in</li> <li>2. User is in homepage</li> </ul>
Postconditions:	<ul style="list-style-type: none"> <li>1. User sees a 'friends matched' page, showing a list of cards. Each card represented a potential new friend.</li> </ul>
Normal Flow:	<ul style="list-style-type: none"> <li>1. User clicks on the 'Find friends' button</li> <li>2. User is directed to a loading page while the back-end server generates all the potential new friends</li> <li>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</li> <li>4. User can see friend's interests in each card</li> </ul>
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:	<ol style="list-style-type: none"> <li>1. User is on the 'friends matched' page.</li> <li>2. User is logged in</li> </ol>
Postconditions:	<ol style="list-style-type: none"> <li>1. User sees the profile of the chosen recommended friend which shows the name, lists of interests and email</li> </ol>
Normal Flow:	<ol style="list-style-type: none"> <li>1. User choose to find out more about a new potential friend by clicking on his/her cards on 'friends matched' page</li> <li>2. User is directed to a page that shows details about the new potential friend such as email, bio, hall and list of interests</li> </ol>
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:	<ol style="list-style-type: none"> <li>1. User clicks on the top right hand navigation bar before clicking on “Profile”</li> <li>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</li> </ol>
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:	<ol style="list-style-type: none"> <li>1. User is logged in</li> <li>2. User is in the "Profile" Page.</li> </ol>
Postconditions:	<ol style="list-style-type: none"> <li>1. User sees his/her own updated profile with personal information like email, interest, hall accommodation details and history of matched friends</li> </ol>
Normal Flow:	<ol style="list-style-type: none"> <li>1. User clicks the 'Edit' button in the "Profile" Page.</li> <li>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.</li> <li>3. User can edit the following fields:             <ol style="list-style-type: none"> <li>a. Password</li> <li>b. Re-enter password</li> </ol> </li> <li>4. User re-picks a hall location from a drop down list and clicks on the 'Next' button.</li> <li>5. User re-selects at least 1 personal interest from a list of interests provided and clicks on the 'Next' button.</li> <li>6. User re-rates the interest(s) that he/she picked previously on a scale from 0 to 5.</li> <li>7. Then, User clicks on "Confirm Changes" and is directed to the "Profile" Page.</li> </ol>

Alternative Flows:	-
Exceptions:	<p>E.1. The password does not meet the minimum requirements (minimum 8 characters). Password field will alert the user that the password is invalid.</p> <p>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.</p> <p>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.</p>
Includes:	-
Priority:	Medium
Frequency of Use:	Medium (Zero or more times per session)
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-