

# **Software Requirements Specification**

**for**

## **edUFind**

**Version 1.3 approved**

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**Nanyang Technological University**

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# Functional Requirements

1. Home Page
  - 1.1. The system must be able to display the list of schools based on their corresponding education level offered, indicated by the school's main level code
  - 1.2. The system must provide be able to allow the user to use the search box
  - 1.3. The system must allow the user to be able to filter schools of their choosing based on certain filters
  - 1.4. The system must allow the user to login to their account
  - 1.5. The system must allow the user must to view their shortlisted schools
  - 1.6. The system must allow the user to register their account
2. Search
  - 2.1. The system must allow the user to find and filter schools of their choosing based on
    - 2.1.1. Co-Curricular Activities (CCA)
    - 2.1.2. Elective Programmes
    - 2.1.3. Location
    - 2.1.4. Mother Tongue Language (MTL) offered
    - 2.1.5. Subjects Offered
  - 2.2. The system must allow the user to use the search box to search for schools directly
3. Creating User Account
  - 3.1. The system must allow the user to create an account by providing the following information
    - 3.1.1. Username
    - 3.1.2. Email
    - 3.1.3. Password
  - 3.2. The system must validate that all required information is provided by the user
4. Login
  - 4.1. The system must allow the user to be able to login to their account using their email and password
  - 4.2. The system must be able to check that the email and password are correct
5. Manage Profile
  - 5.1. The system must allow the user to change their password to ensure account security
  - 5.2. The system must allow users to edit their preferences (9. Recommendations)
6. Shortlisting schools (For registered users)
  - 6.1. The system must allow the user to shortlist schools
  - 6.2. The system must allow the user to delete shortlisted schools
  - 6.3. The system must allow the user to view shortlisted schools
7. Comments (For registered users)
  - 7.1. The system must allow the user to create comments
  - 7.2. The system must allow the user to edit comments
  - 7.3. The system must allow the user to delete comments

- 7.4. The system must allow the user to like comments
- 8. Displaying School Specific Data
  - 8.1. The system must be able to display the following information about multiple schools based on the filters selected by the user
    - 8.1.1. Name
    - 8.1.2. Address
  - 8.2. The system must be able to display the following information about the school selected by the user
    - 8.2.1. School Name
    - 8.2.2. School Website
    - 8.2.3. Address
    - 8.2.4. MRT Description
    - 8.2.5. Bus Description
    - 8.2.6. Type Code
    - 8.2.7. Nature Code (Co-Ed, All boys, All Girls)
    - 8.2.8. MTL Offered
    - 8.2.9. Subjects Offered
    - 8.2.10. Elective Programmes
    - 8.2.11. Support for Special Educational Needs
- 9. Recommendation
  - 9.1. System will enquire registered user for his/her preferences on first time log-in
    - 9.1.1. Region
    - 9.1.2. Mother Tongue
    - 9.1.3. Gender
    - 9.1.4. CCA Categories
  - 9.2. System must display schools relevant to user's selected preferences
- 10. Interfacing with data.gov.sg API

# Non-Functional Requirements

1. Usability: Each tab will be clearly described so that the users can understand easily.
2. Reliability: System should be able to support up to 50 pax.
3. Performance: The system will be able to respond to user interactions within 2 seconds.
4. Supportability: Documentation and coding comments are consistent and traceable (with version control). The git update will be well commented and described appropriately.

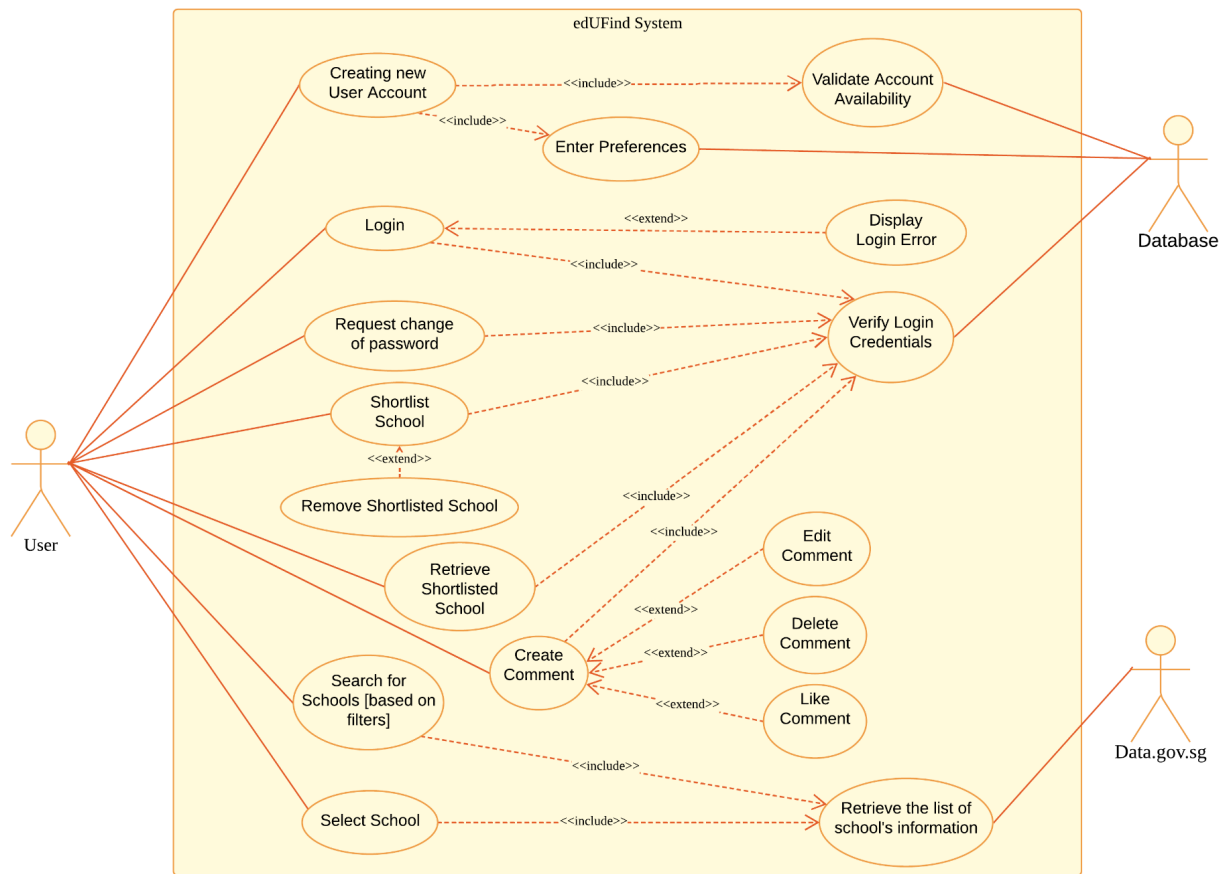
# Data Dictionary

Term	Definition
User	A user is a person who is using the web application to find schools based on their interest and location in Singapore
System	A system refers to the web application
Search	Search is a feature that allows user to find schools based on school's name or certain keywords
Filter	Filter is a feature that the user can use to sort schools based on the school's characteristics (E.g., CCA, Subjects offered, etc.)
Shortlist	Shortlist is a feature that enables registered users to mark/save their preferred school. Users are also able to delete schools from their list or retrieve their list of shortlisted schools
Registration	Registration is a feature for users to create a new account (provided their email is valid). This enables users to use other features of the website, such as shortlisting and commenting
Registered User	A user that has created an account in the system and is logged into that account
Comment	A written remark by a user to denote their views on a particular school. The author of the comment can delete or modify the comment while other registered users can 'like' comments.
Nature Code	Refers to the gender that the school allows to be enrolled. Values include "Co-Ed", "Boys only" or "Female only"
Type Code	Refers to the type of school. Values include "Government School", "Government Aided School", "Independent School", "Specialized Independent School" and "Specialized School"
Elective Program	Types of learning programmes that the school's adopt, such as Chinese Language Elective Program (CLEP), Art Elective Program (AEP), etc
Education Level	The education requirement required to enter a school (Primary, Secondary and Junior College)
Main Level Code	Refers to education level reflected in the database. Values include "Primary", "Secondary", "Junior College", "Mixed Levels" and "Centralised Institute"
Co-Curricular Activities (CCA)	A non-academic activity that all students must undertake as part of their education

	<p>There are 4 main categories of CCAs</p> <ul style="list-style-type: none"> <li>• Clubs and societies</li> <li>• Physical sports</li> <li>• Uniformed groups</li> <li>• Visual and performing arts</li> </ul>
Mother Tongue Language (MTL)	A mother tongue language is a second language (the first being English) that a student will learn in school (such as Chinese, Tamil and Malay)
Subject	The various knowledge studied or taught in a school that are currently offered to the enrolling student cohort
Special Education Needs	Types of special needs the schools can support (E.g., dyslexia, ADHD, mild Autism Spectrum Disorder, mild hearing loss, visual impairment and physical impairment)

# Use Case Diagram

Refer to PDF File for the clear image





# Use Case Descriptions

Use Case ID:	1		
Use Case Name:	Creating New User Account		
Created By:	Lim Kai Sheng	Last Updated By:	Andre Lim
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22 <sup>nd</sup> March 2022
Actor	User		
Description:	User creates a new account		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must not exist in the database</li> <li>2. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User account must be updated in database</li> <li>2. User password is encrypted in the database</li> <li>3. User can now log in using the created account</li> </ol>		
Priority:	Medium		
Frequency of Use:	0 - 1 time per lifetime		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User keys in a valid username, email, password, confirm password and gender, in the respective fields</li> <li>2. System verifies: <ol style="list-style-type: none"> <li>a. Email is not already registered in the database</li> <li>b. Email entered is in a valid format</li> <li>c. Password and confirm password fields are identical</li> <li>d. The password is longer than 6 characters</li> </ol> </li> <li>3. User clicks the "Next" button</li> </ol>		
Alternative Flows:	AF-S3: System detects discrepancy between any of the verification <ol style="list-style-type: none"> <li>1. System displays respective error message</li> <li>2. Return to Step 1</li> </ol>		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Validate Account Availability</li> <li>2. Enter Preferences</li> </ol>		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	2		
Use Case Name:	Validate Account Availability		
Created By:	Andre Lim	Last Updated By:	Ling Yin
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22 <sup>nd</sup> March 2022
Actor	System		
Description:	Only allow user to register an account if the email is valid		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must not exist in the database</li> <li>2. User must enter an email in a valid format (for example: xxx@abc.com)</li> <li>3. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User account must be updated in database</li> <li>2. User can now log in using the created account</li> </ol>		
Priority:	Medium		
Frequency of Use:	1 - 3 times per lifetime		
Flow of Events:	<ol style="list-style-type: none"> <li>1. System will validate the account availability in the database</li> <li>2. System will add the user account in the database</li> </ol>		
Alternative Flows:	<p>AF-S1: System detects the user account has already exists in the database</p> <ol style="list-style-type: none"> <li>1. System will display error message "Account with corresponding email already exist"</li> <li>2. User enters a new email</li> <li>3. User clicks the "create account" button to re-attempt registration again.</li> <li>4. Return to Step 1</li> </ol>		
Exceptions:	-		
Includes:	-		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	3		
Use Case Name:	Login		
Created By:	Andrew Ng	Last Updated By:	Kai Sheng
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22 <sup>nd</sup> March 2022
Actor	User		
Description:	User logs into his/her created account using the registered email and password		
Precondition:	<ol style="list-style-type: none"> <li>1. User must have a registered account in the database</li> <li>2. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User has access to his/her account</li> <li>2. User can use additional features of the website such as Shortlisting Schools, Commenting etc</li> </ol>		
Priority:	Medium		
Frequency of Use:	1 - 3 times per lifetime		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User enters their email, and password in the login field</li> <li>2. User clicks on the "login" button</li> <li>3. System authenticates the account with the database</li> </ol>		
Alternative Flows:	<p>AF-S2: User left the required field empty</p> <ol style="list-style-type: none"> <li>1. System will display an error message</li> <li>2. User fills up the required field(s)</li> <li>3. Return to Step 2</li> </ol> <p>AF-S3: User enters an invalid email or password</p> <ol style="list-style-type: none"> <li>1. System will display an error message</li> <li>2. User re-enters the respective field(s)</li> <li>3. Return to Step 2</li> </ol>		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Verify Login Credentials</li> </ol>		
Special Requirements:	-		
Assumptions:	<ol style="list-style-type: none"> <li>1. User will not forget his/her password</li> </ol>		
Notes and Issues:	-		

Use Case ID:	4		
Use Case Name:	Display Login Error		
Created By:	Lim Kai Sheng	Last Updated By:	
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22 <sup>nd</sup> March 2022
Actor	System		
Description:	Displays “Invalid Email or Password entered” to the user		
Precondition:	1. User enters an invalid email or password when logging in 2. User must have an internet connection		
Postconditions:	1. User is prompted to re-enter a valid email and password		
Priority:	Medium		
Frequency of Use:	1 - 3 times per lifetime		
Flow of Events:	1. User enters an invalid email and/or password 2. Error message is displayed to the user 3. User is prompted to re-enter a valid email and password		
Alternative Flows:	-		
Exceptions:	-		
Includes:	-		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	5		
Use Case Name:	Verify Login Credentials		
Created By:	Andrew Ng	Last Updated By	Adi
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22nd March 2022
Actor	System		
Description:	Authenticate account information via email and password		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must have an internet connection</li> <li>3. User is logged in</li> <li>4. User is assigned a token</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User can shortlist their shortlisted schools</li> <li>2. User can retrieve their list of shortlisted schools</li> <li>3. User can remove their shortlisted schools from the list</li> </ol>		
Priority:	Medium		
Frequency of Use:	1 - 3 times per lifetime		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User attempts to perform an action such as: <ol style="list-style-type: none"> <li>a. Shortlist</li> <li>b. Commenting</li> </ol> </li> <li>2. System checks if current User's assigned token is valid</li> <li>3. System allows the User to perform the action</li> </ol>		
Alternative Flows:	AF-S2: User account left idle for 24 hours <ol style="list-style-type: none"> <li>1. Token assigned to the user is expired</li> <li>2. System will require the user to log in again</li> </ol>		
Exceptions:	-		
Includes:	-		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	6		
Use Case Name:	Edit user account password		
Created By:	Andre Lim	Last Updated By	Andrew Ng
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22nd March 2022
Actor	User		
Description:	User requests for a change of password		
Precondition:	<ol style="list-style-type: none"> <li>1. User must be logged into his/her account</li> <li>2. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. Password must be updated in database</li> </ol>		
Priority:	Medium		
Frequency of Use:	1 - 3 times per year		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User logs into his/her account</li> <li>2. User clicks on his/her account</li> <li>3. User selects the "Account" option</li> <li>4. System prompts user to key in the old password, new password and confirm new password fields</li> <li>5. System validates the old password</li> <li>6. System validates the new and confirm password are identical</li> <li>7. User's account password is updated to the new password</li> </ol>		
Alternative Flows:	<p>AF-S5: User enters an invalid old password</p> <ol style="list-style-type: none"> <li>1. System will display an error message</li> <li>2. User re-enters all three field(s)</li> <li>3. Return to Step 5</li> </ol> <p>AF-S6: User enters a mismatch of new passwords</p> <ol style="list-style-type: none"> <li>1. System will display an error message</li> <li>2. User re-enters the respective field(s)</li> <li>3. Return to Step 5</li> </ol>		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Verify Login Credentials</li> </ol>		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	7		
Use Case Name:	Shortlist School		
Created By:	Lim Kai Sheng	Last Updated By	Ling Yin
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22 <sup>nd</sup> March 2022
Actor	User		
Description:	User can add schools they are interested in to their list of shortlisted schools		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User's preferred schools will be saved in the database</li> </ol>		
Priority:	High		
Frequency of Use:	0 - 10 times per day		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User searches for schools based on preference</li> <li>2. User clicks on the "Plus" button to bookmark their shortlisted schools.</li> <li>3. System will save the user's shortlisted schools into the database.</li> </ol>		
Alternative Flows:	-		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Verify login credentials</li> </ol>		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	8		
Use Case Name:	Remove Shortlisted School		
Created By:	Andre Lim	Last Updated By	Andre Lim
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22 <sup>nd</sup> March 2022
Actor	User		
Description:	Shortlisted schools can be removed by the user		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User's selected school will be removed from his/her shortlisted list</li> </ol>		
Priority:	High		
Frequency of Use:	0 - 5 times per day		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User clicks on the "My Shortlist" button to view their shortlisted schools</li> <li>2. User selects the shortlisted schools that he/she wants to remove</li> <li>3. User clicks on the "Delete" icon</li> <li>4. System will drop the user's shortlisted schools from the database</li> </ol>		
Alternative Flows:	-		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Verify login credentials</li> </ol>		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		



Use Case ID:	9		
Use Case Name:	Retrieve Shortlisted School		
Created By:	Andrew Ng	Last Updated By	Lim Kai Sheng
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	10 <sup>th</sup> February 2022
Actor	User		
Description:	Displays list of shortlisted schools		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. A list of User's shortlisted schools will be displayed</li> </ol>		
Priority:	High		
Frequency of Use:	0 - 5 times a day		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User selects "My Shortlist"</li> <li>2. List of shortlisted schools for the user is fetched from the database</li> <li>3. System displays the retrieved shortlisted school(s) to the User</li> </ol>		
Alternative Flows:	-		
Exceptions:	-		
Includes:	-		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	10		
Use Case Name:	Create Comment		
Created By:	Lim Kai Sheng	Last Updated By	
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	
Actor	User		
Description:	User is able to post their comments about schools		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. Comments are displayed in the comment section of the respective school</li> </ol>		
Priority:	Medium		
Frequency of Use:	0 - 5 times per year		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User types in his/her comments in comment box</li> <li>2. User clicks "post" button</li> <li>3. Comment is now publicly displayed in the comment section of the school</li> </ol>		
Alternative Flows:	-		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Verify Login Credentials</li> </ol>		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	11		
Use Case Name:	Edit Comment		
Created By:	Andre Lim	Last Updated By	
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	
Actor	User		
Description:	User can edit his/her posted comment		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have already posted a comment</li> <li>4. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User's comment is edited and displayed in the comment section of the respective school</li> </ol>		
Priority:	Medium		
Frequency of Use:	0 - 4 times per year		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User navigates to his comments</li> <li>2. User clicks on "edit" button to start editing his post</li> <li>3. User modifies his comment</li> <li>4. User clicks on "confirm" button to modify his original comments</li> </ol>		
Alternative Flows:	AF-S2: User decides not to edit his post <ol style="list-style-type: none"> <li>1. User clicks on "cancel button"</li> <li>2. Comment is not modified</li> </ol>		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Verify Login Credentials</li> </ol>		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	12		
Use Case Name:	Delete Comment		
Created By:	Andrew Ng	Last Updated By	
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	
Actor	User		
Description:	User can delete his/her posted comment		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have already posted a comment</li> <li>4. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. User's comment is removed from the comment section of the respective school</li> </ol>		
Priority:	Medium		
Frequency of Use:	0 - 4 times per year		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User navigates to his comments</li> <li>2. User clicks on "delete" button</li> <li>3. User clicks "confirm" button to delete his/her comment</li> <li>4. Comment is removed</li> </ol>		
Alternative Flows:	AF-S3: User decides not to delete his/her comment <ol style="list-style-type: none"> <li>1. User clicks on the "cancel" button</li> <li>2. Comment is not deleted</li> </ol>		
Exceptions:	-		
Includes:	<ol style="list-style-type: none"> <li>1. Verify Login Credentials</li> </ol>		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	13		
Use Case Name:	Like Comment		
Created By:	Lim Kai Sheng	Last Updated By	
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	
Actor	User		
Description:	User can like other posted comment		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must already exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. "Liked" should be reflected on the intended comment</li> </ol>		
Priority:	Medium		
Frequency of Use:	0 - 4 times per year		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User clicks on the "like" button</li> <li>2. The system will update the comment's "Liked" counts</li> </ol>		
Alternative Flows:			
Exceptions:	-		
Includes:	-		
Special Requirements:	-		
Assumptions:	User cannot un-like the comments he/she has made.		
Notes and Issues:	-		

Use Case ID:	14		
Use Case Name:	Search for Schools [based on filters]		
Created By:	Andre Lim	Last Updated By	
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	
Actor	User		
Description:	Filter schools based on user's preference		
Precondition:	1. User must have an internet connection		
Postconditions:	1. A list of schools will be displayed under the search bar based on the user's search query and filters		
Priority:	High		
Frequency of Use:	0-40 times per day		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User enters his query in the Search bar</li> <li>2. System will provide suggestions based on User's query</li> <li>3. User clicks on the "Search" button without adding any filters</li> <li>4. System displays list of schools based on User's query</li> </ol>		
Alternative Flows:	<ol style="list-style-type: none"> <li>1. User selects the pre-defined filter from the drop-down</li> <li>2. System will filter the schools based in user's input criteria</li> <li>3. System will display the filtered schools</li> </ol>		
Exceptions:	-		
Includes:	-		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		

Use Case ID:	15		
Use Case Name:	Select School		
Created By:	Andrew Ng	Last Updated By	Adi
Date Created:	28 <sup>th</sup> January 2022	Date Last Updated:	22 <sup>nd</sup> March 2022
Actor	User		
Description:	User selects a school and its information is displayed		
Precondition:	1. User must have an internet connection		
Postconditions:	1. Selected school's information is displayed		
Priority:	High		
Frequency of Use:	0 - 20 times per day		
Flow of Events:	1. System displays a list of all schools 2. User selects a school 3. System displays the selected school's details		
Alternative Flows:	AF-S1: Filters have been applied 1. System displays a list of schools meeting the criteria of the filters 2. Return to Step 2		
Exceptions:	-		
Includes:	1. Retrieve the list of school's information		
Special Requirements:			
Assumptions:	-		
Notes and Issues:	-		

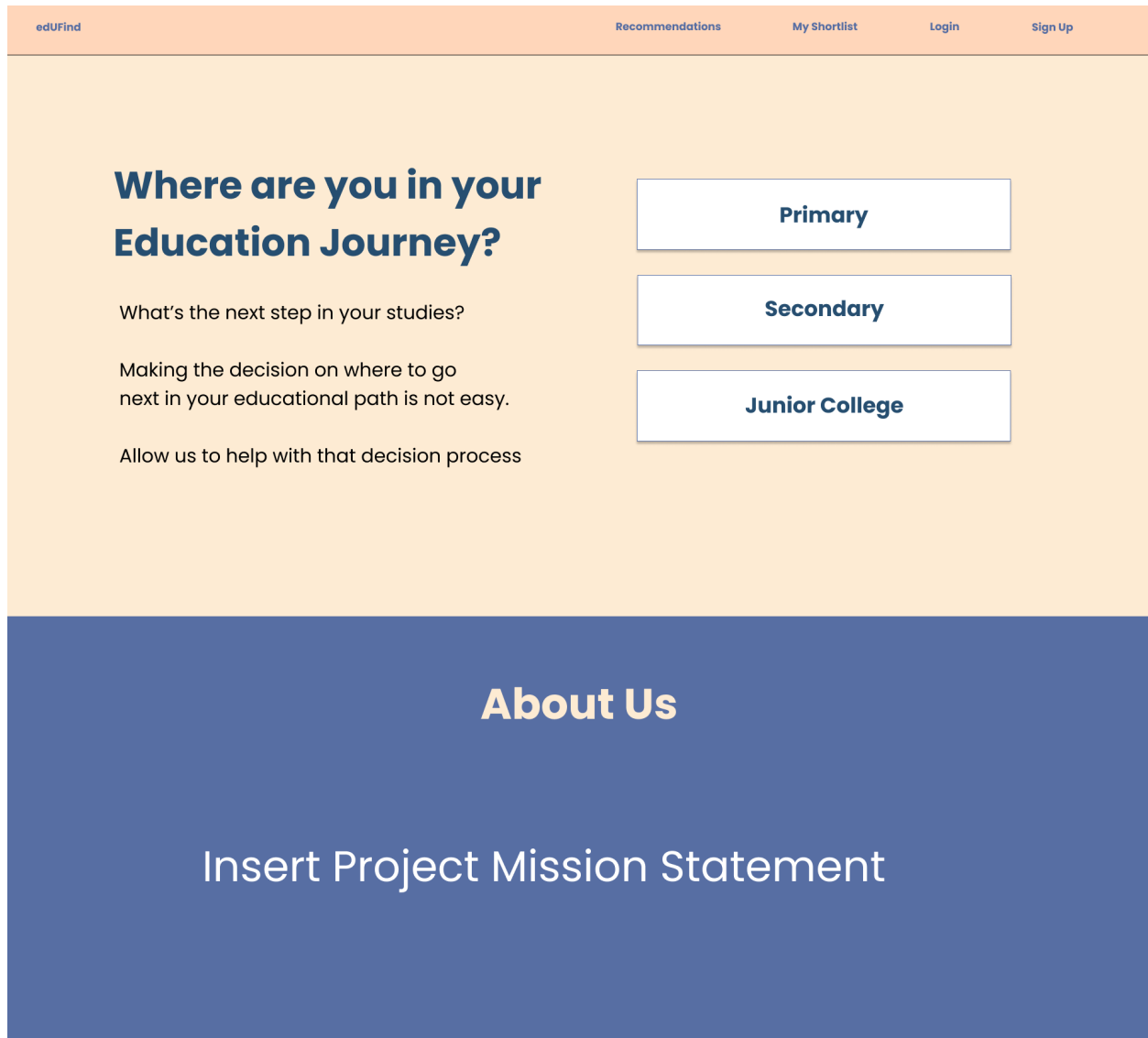
Use Case ID:	16		
Use Case Name:	Enter Preferences		
Created By:	Andrew Ng	Last Updated By	
Date Created:	10 <sup>th</sup> February 2022	Date Last Updated:	
Actor	User		
Description:	System recommends a list of schools to the user based on their preferences		
Precondition:	<ol style="list-style-type: none"> <li>1. User account must exist in the database</li> <li>2. User must be logged into his/her account</li> <li>3. User must have an internet connection</li> </ol>		
Postconditions:	<ol style="list-style-type: none"> <li>1. Display a list of schools based on user's preferences</li> </ol>		
Priority:	Medium		
Frequency of Use:	1-3 time per account creation		
Flow of Events:	<ol style="list-style-type: none"> <li>1. User selects Gender, Region, Level of Education, Mother Tongue and CCA Category</li> <li>2. System displays a list of schools as recommendations</li> </ol>		
Alternative Flows:	-		
Exceptions:	-		
Includes:	-		
Special Requirements:	-		
Assumptions:	-		
Notes and Issues:	-		



# UI Mockup

Refer to UI Mockups v1.1.pdf F File for clearer images

## Home Page



## Login Page

[edUFind](#)[Recommendations](#)[My Shortlist](#)[Login](#)[Sign Up](#)

### Log in to edUFind

Email

Password

[Login](#)

Not a member yet? [Sign up here!](#)

## Sign Up Procedures

[edUFind](#)[Recommendations](#)[My Shortlist](#)[Login](#)[Sign Up](#)

### Get Started on your School Exploring Journey

Name

Email

Password

Confirm Password

Gender

Next

[edUFind](#)[Recommendations](#)[My Shortlist](#)[Login](#)[Sign Up](#)

### Let's get a few more details!

Region

Level of Education

Mother Tongue Language

Next

edUFind

Recommendations

My Shortlist

Login

Sign Up

## What are you interested in outside of the classroom?

☐ Performing Arts

☐ Sports

☐ Clubs and Societies

☐ Others

Submit

## Recommendations

edUFind

Our Recommendations

My Shortlist

Account Settings

Hi <Name>!

## Our Recommendations

These are some schools that we think you might like!

School XXX

123 Address Street 234

Why it might be right for you

Show me more

School XXX

123 Address Street 234

Why it might be right for you

Show me more

View More Schools

Primary Schools

eduFind

Recommendations

My Shortlist

Login

Sign Up

# Primary School

Find schools that match your interests and preferred locations

Primary

Q

What are your interests?

Co-Curricular Activities

Category

Specific CCAs

Academic Interests

Subjects Offered

Mother Tongue Languages Offered

Elective Programmes

Location

Region/Area

Primary School #1

123 Address Street 234

+

Primary School #1

123 Address Street 234

+

Primary School #1

123 Address Street 234

+

Primary School #1

123 Address Street 234

+

Primary School #1

123 Address Street 234

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Primary School #1

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123 Address Street 234

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Primary School #1

123 Address Street 234

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Primary School #1

123 Address Street 234

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Page 1 of \_

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## Secondary School

edUFindRecommendationsMy ShortlistLoginSign Up

## Secondary School

Find schools that match your interests and preferred locations

Primary▼

Q

What are your interests?

Co-Curricular Activities

Category▼

Specific CCAs▼

Academic Interests

Subjects Offered▼

Mother Tongue Languages Offered▼

Elective Programmes▼

Location

Region/Area▼

Secondary School #1

123 Address Street 234

+

Secondary School #2

123 Address Street 234

+

Secondary School #3

123 Address Street 234

+

Secondary School #4

123 Address Street 234

+

Secondary School #5

123 Address Street 234

+

Secondary School #6

123 Address Street 234

+

Secondary School #7

123 Address Street 234

+

Secondary School #8

123 Address Street 234

+

Secondary School #9

123 Address Street 234

+

Secondary School #10

123 Address Street 234

+

Page 1 of \_ >

eduFind

Recommendations

My Shortlist

Login

Sign Up

# Junior Colleges

Find schools that match your interests and preferred locations

Primary

Q

What are your interests?

Co-Curricular Activities

Category

Specific CCAs

Academic Interests

Subjects Offered

Mother Tongue Languages Offered

Elective Programmes

Location

Region/Area

Junior College A

123 Address Street 234

+

Junior College A

123 Address Street 234

+

Junior College A

123 Address Street 234

+

Junior College A

123 Address Street 234

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Junior College A

123 Address Street 234

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Junior College A

123 Address Street 234

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123 Address Street 234

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Junior College A

123 Address Street 234

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Junior College A

123 Address Street 234

+

Page 1 of \_

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## School details

edUFind


Recommendations


My Shortlist

Login

Sign Up

School X

 Full Address

 School Website:  
<URL>

Co Curricular Activities (CCAs) Offered

▼

Subjects Offered

▼

Mother Tongue Languages Offered

▼

Elective Programmes

▼

Support for Special Education Needs

▼

About

School Nature: <school-nature>

School Type: <school-type>

Getting There

Nearest MRT Station

Buses

Comments

Write a Comment

View More Comments

32



## Shortlisted Schools

[edUFind](#)[Our Recommendations](#)[My Shortlist](#)[Account Settings](#)[Hi <Name>!](#)

### Your Shortlisted Schools

These are the schools that you have shortlisted while browsing

**School XXX**  
123 Address Street 234  
[Personal Notes](#)  
[Show me more](#)

**School XXX**  
123 Address Street 234  
[Personal Notes](#)  
[Show me more](#)

[View More Schools](#)

## Account Settings

edUFindRecommendationsMy ShortlistLoginSign Up

### Account

Name

Email

Password

Confirm Password

Gender

Region

Level of Education

### Interests

Co-Curricular Activities (CCAs)

☐ Performing Arts

☐ Sports

☐ Clubs and Societies

☐ Others

Mother Tongue Languages

Save Changes

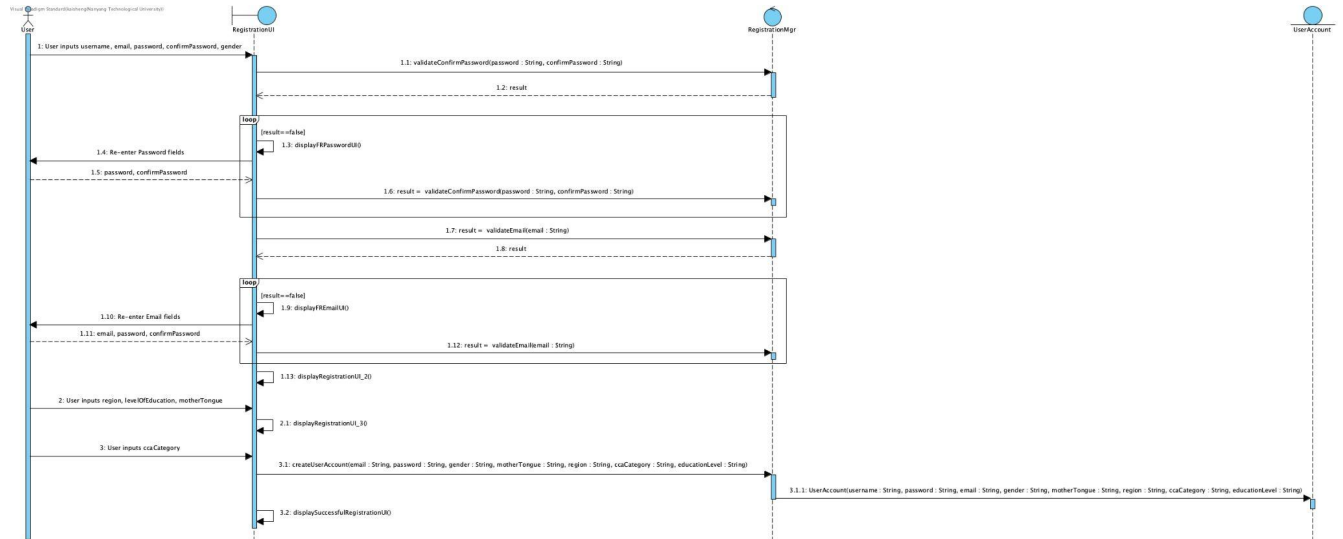
*Refer to Class Diagram for the JPG File*



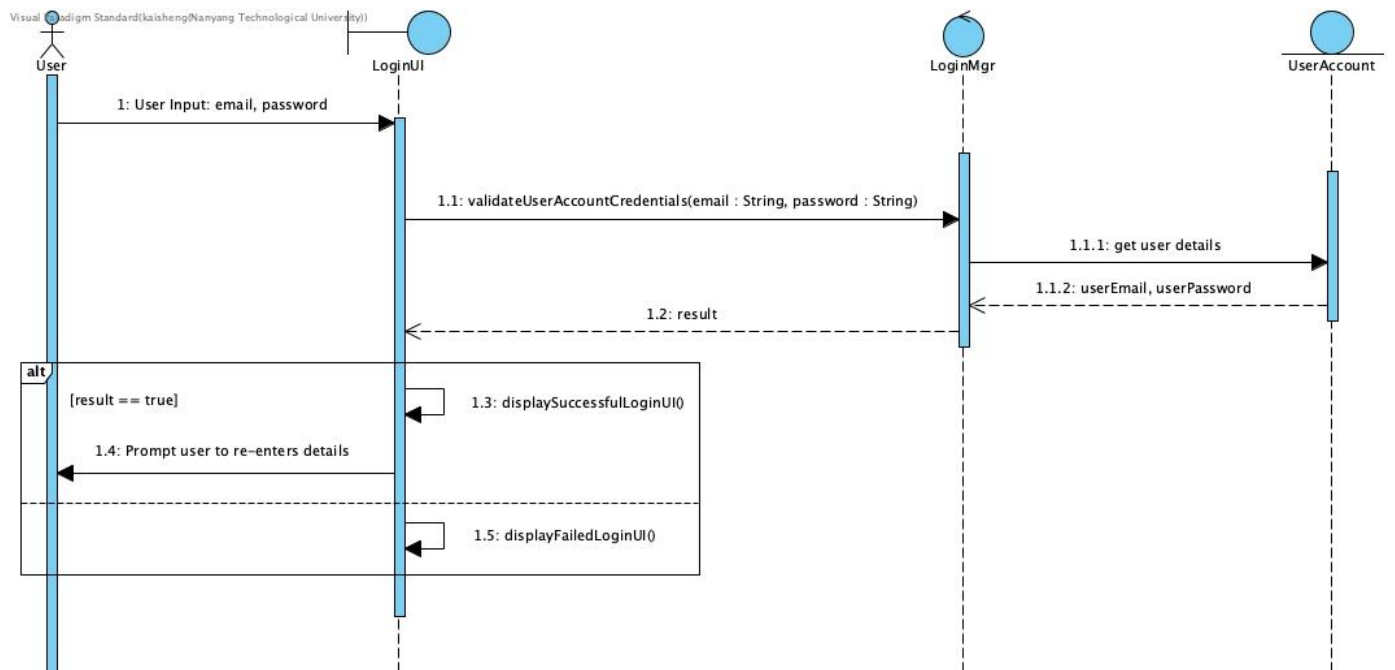
# Sequence Diagram

Refer to Sequence Diagram folder for the JPG Files

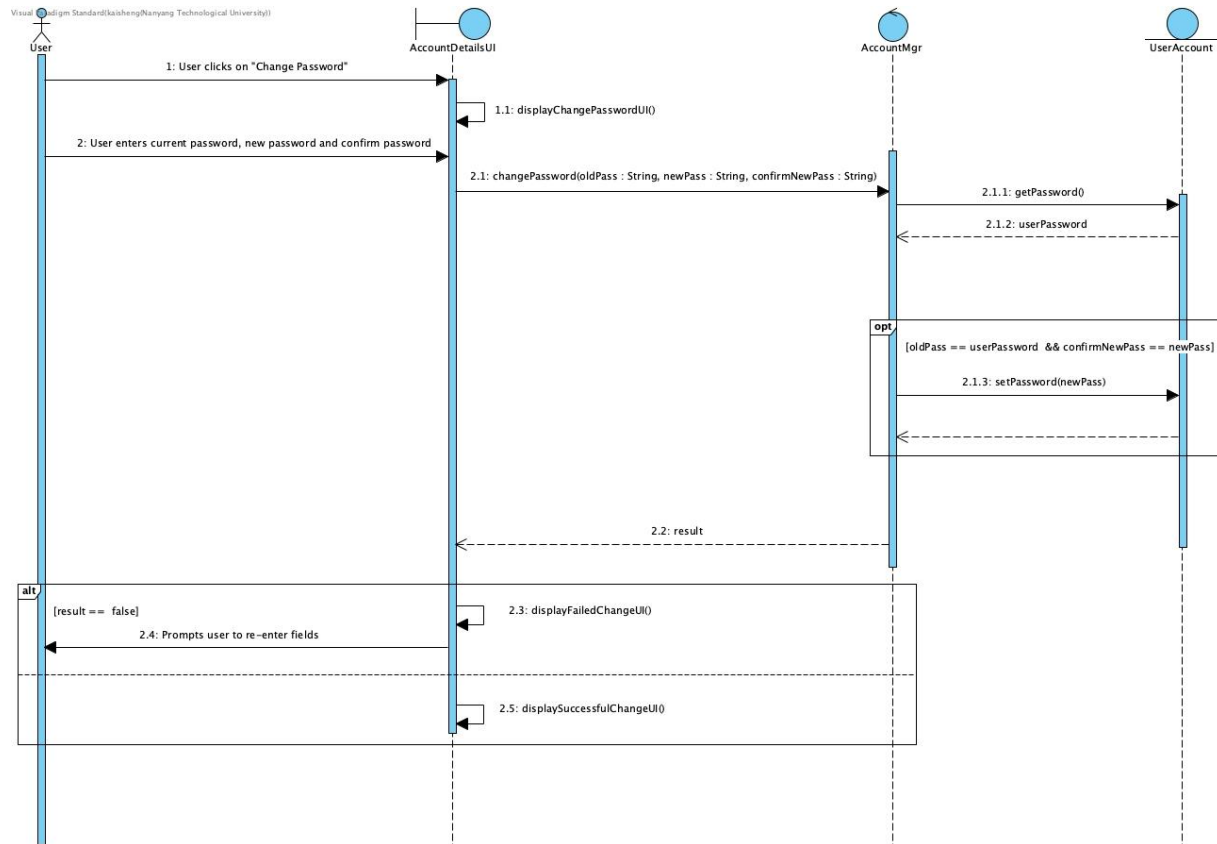
## Registering User Account



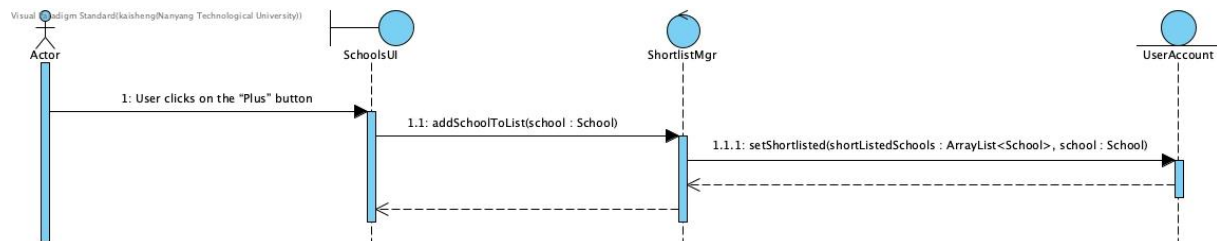
## Login



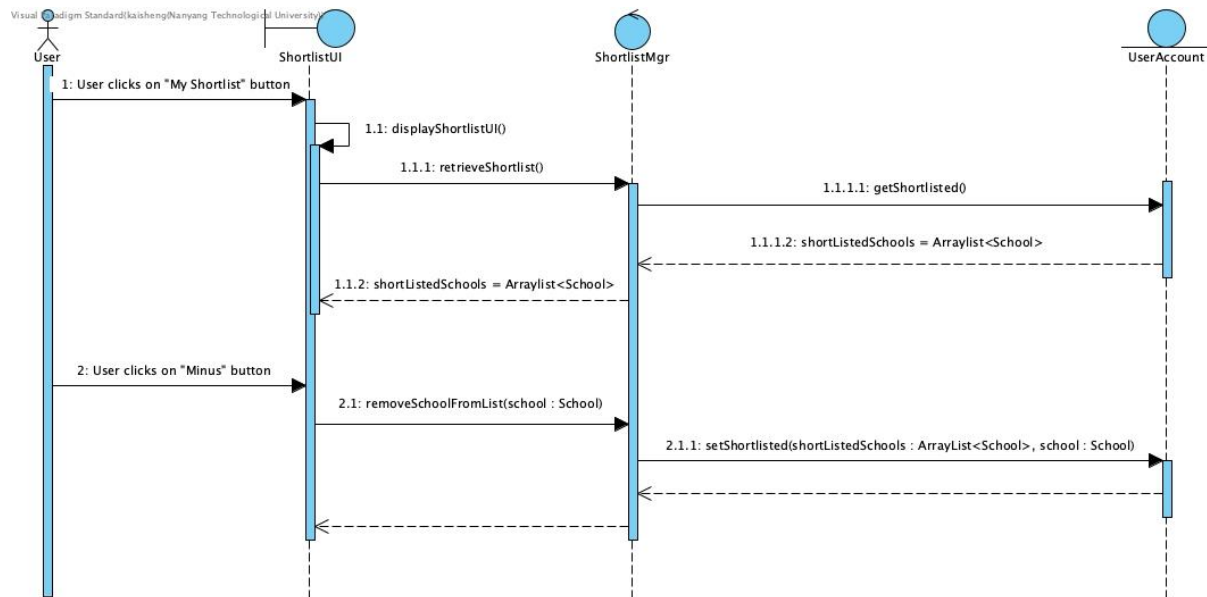
## Request Password Change



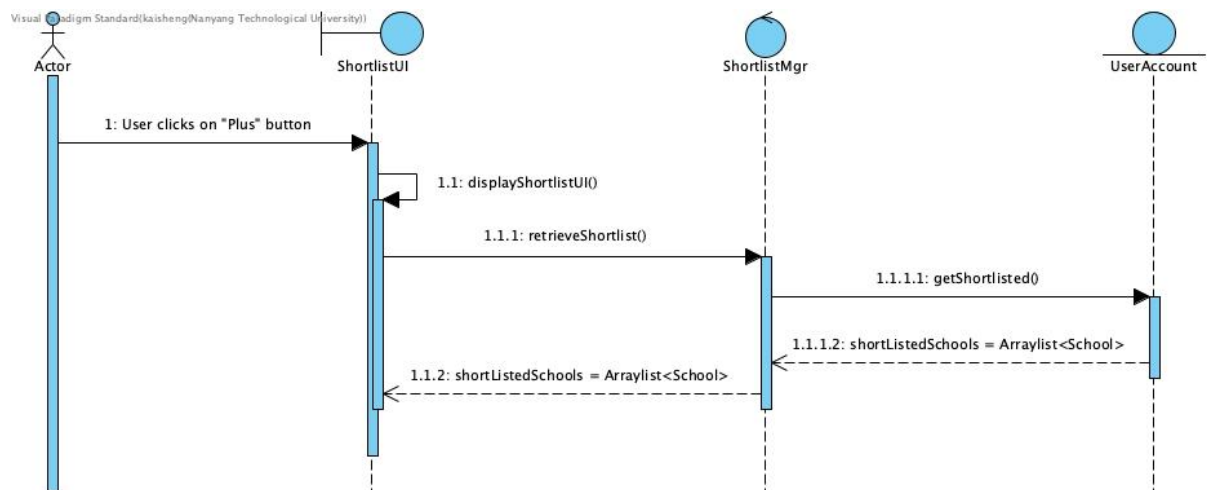
## Shortlist Schools



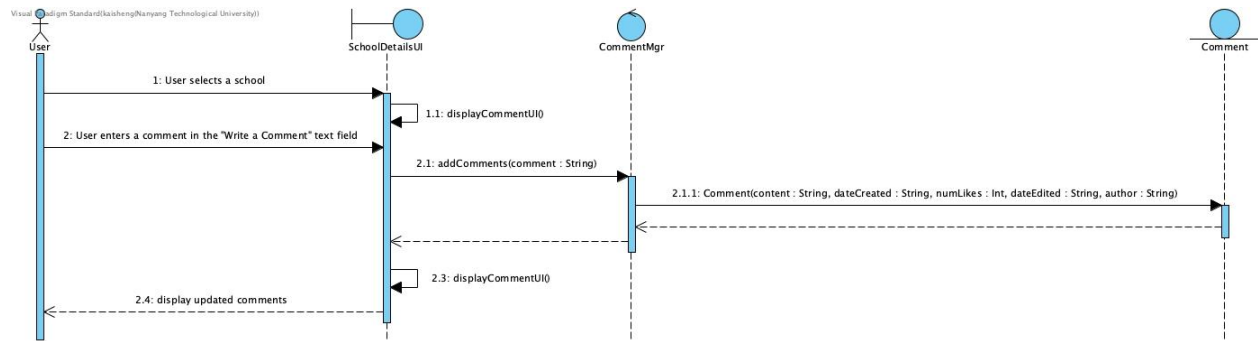
## Remove Shortlisted Schools



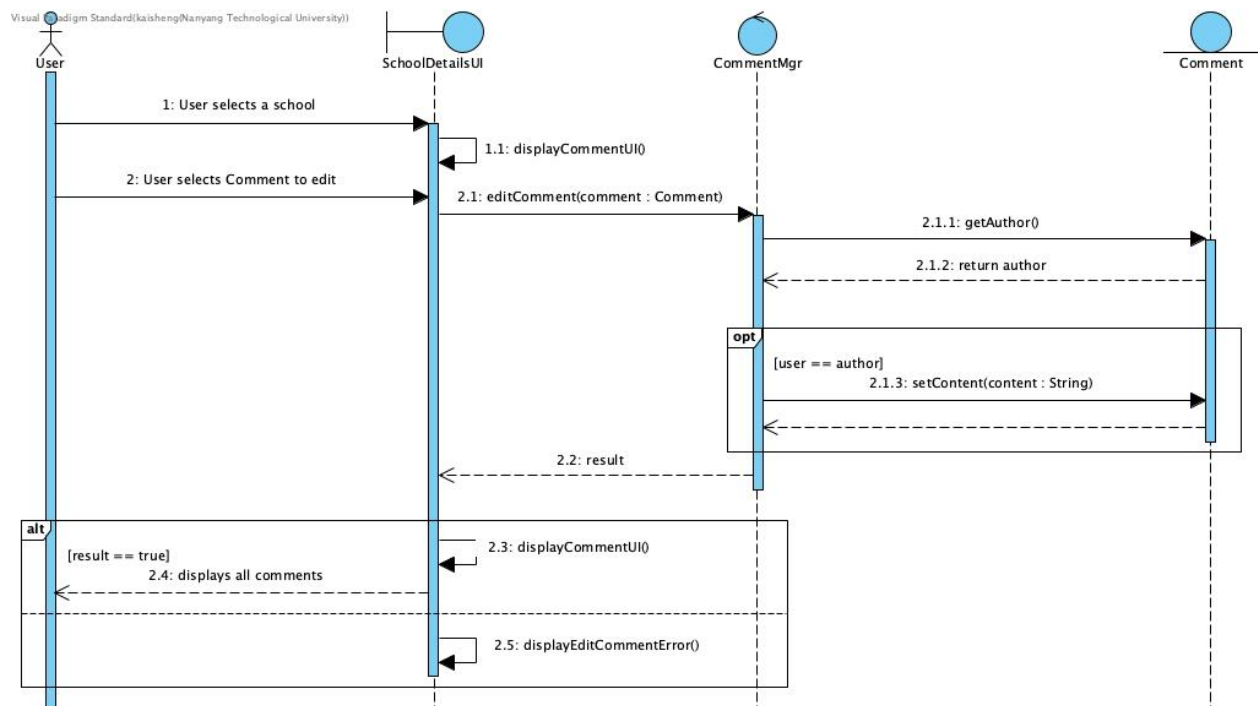
## Retrieve Shortlisted Schools



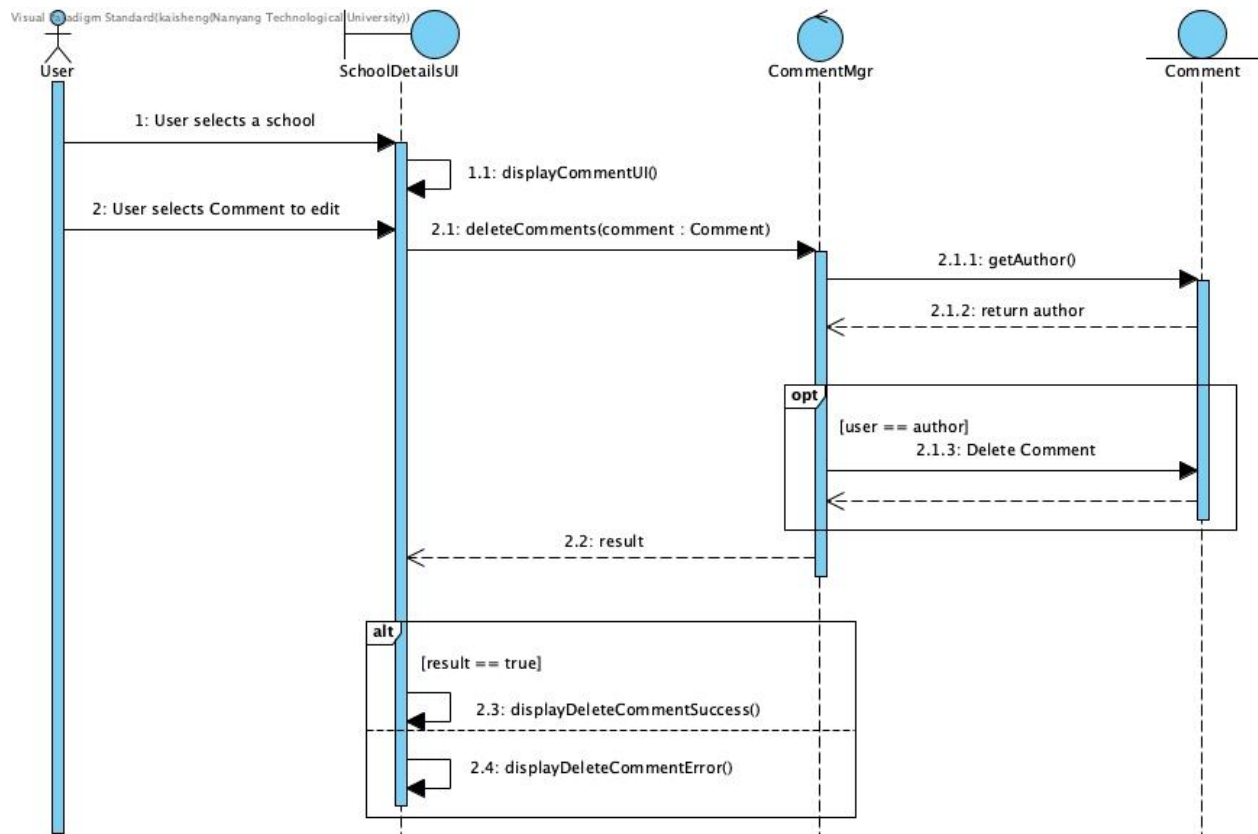
## Create Comment



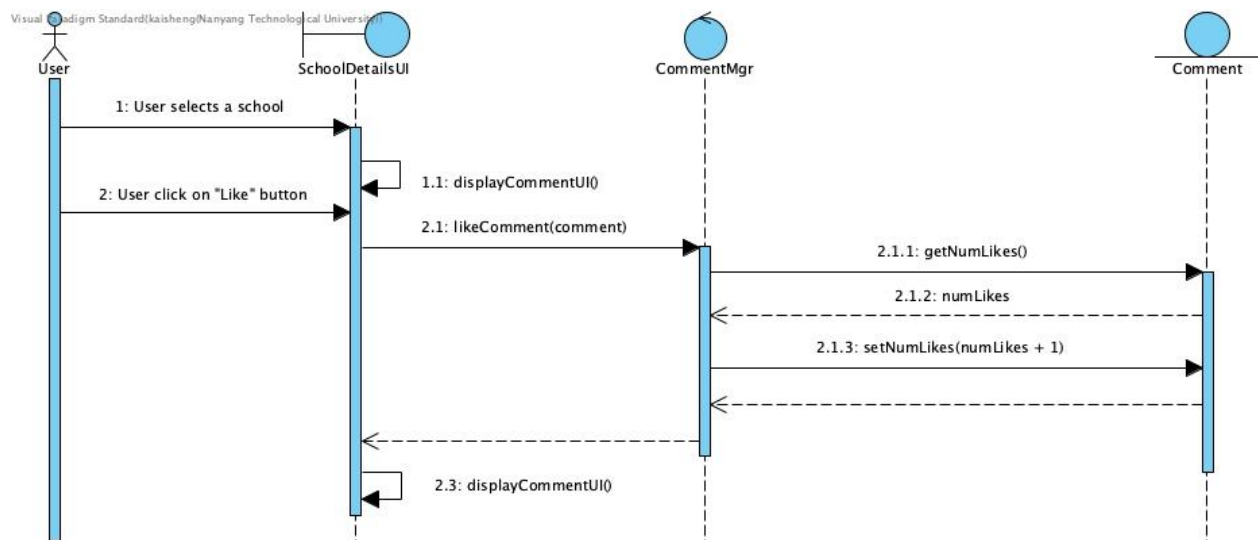
## Edit Comment



## Display Comment

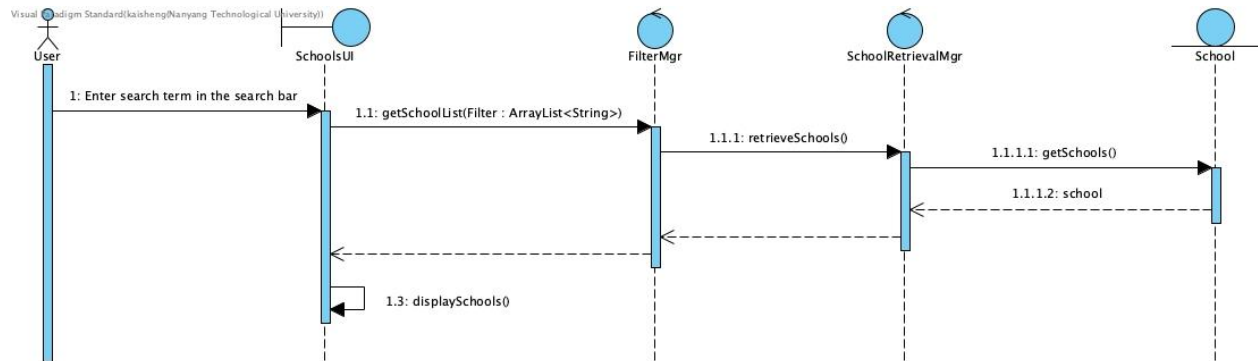


## Like Comment

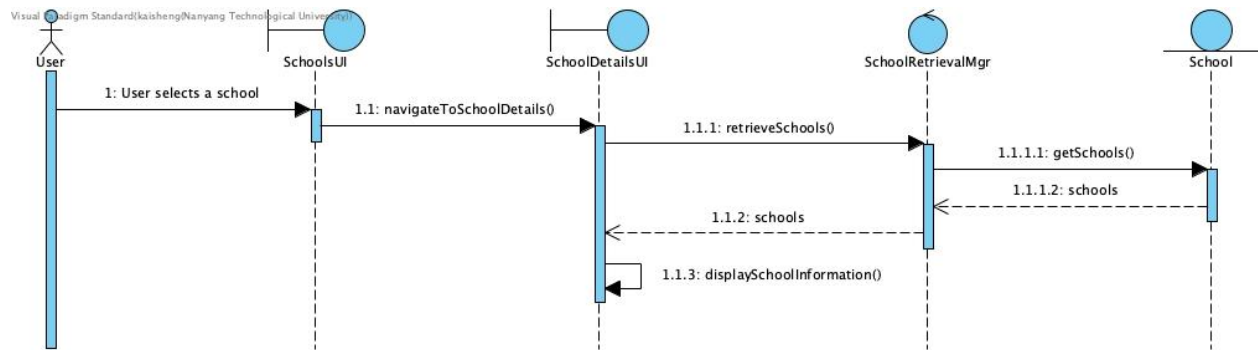




## Search School



## Select School



*Refer to Dialog Map.png for clearer image*

