Use Case Template

Use Case ID:	UC01		
Use Case Name:	Select Category: Post A level/Diploma or Post-Secondary		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student
Description:	The Category Selection is one of the first screens provided to users as a root to all other pages in the application. This feature allows users to select the category of institutes they are interested in, categorized under "Post 'A' Level/Diploma" and "Post-Secondary". This feature is of medium priority as it provides a landing page for users and acts as starting point into the application.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	Students will be directed to the right platform and will be allowed to access relevant information.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	UC02
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC02		
Use Case Name:	Select institute		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student
Description:	This feature allows users to select an institute from a list
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	Students will be allowed to select the institute/university they are interested in.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student will be allowed to select an institute from a list base on their interest.
Alternative Flows:	AFS3: 1) If user selects Post-secondary option, they will need to select category (Polytechnic/ITE/Junior college before reaching the institute page. 2) Return to step 4 to select institute.
Exceptions:	NIL
Includes:	UC03
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC03		
Use Case Name:	Manage information		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student
Description:	This feature allows users to select relevant information they want to find out. For example, faculties and school, intake requirement and CCAs.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.

Postconditions:	Students will gain general enquiries of institute that they are interested to find out.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student will be allowed to select an institute from a list base on their interest. 5) The system will display a list of option. Students can select one of the options to retrieve the information that they need.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	UC04/05/06
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC04		
Use Case Name:	Intake requirement		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student, Csv parse
Description:	This feature allows users to view entry requirement of a particular institute base on previous intakes.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	Students may be able to gauge the chances of being accepted by the institution after viewing the statistic of the previous year intake.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student will be allowed to select an institute from a list base on their interest.

	5) The system will display a list of option. Students can select one of the options to retrieve the information that they need.
	6) The student proceeds to select "intake requirement".
	7) The system will display the statistical data of entry requirement
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC05		
Use Case Name:	Check faculties/courses		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student, Csv Parse
Description:	Displays a list of faculties in an institute. Students can find out more about the programme /courses offered by a particular faculty.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	Students can select courses/programmes to find out more information about its faculty, research, and curriculum.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student will be allowed to select an institute from a list base on their interest. 5) The system will display a list of option. Students can select one of the options to retrieve the information that they need. 6) The student proceeds to select "faculties and schools". 7) A list of faculties of a particular institute will be displayed. 8) The student may proceed to select the faculty he/she is interested. 9) The student can further select courses that are offered by the faculty/school.
Alternative Flows:	NIL

Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC06		
Use Case Name:	Check CCA		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student, Csv Parse
Description:	Students can view/select courses based on their previous selection of institute and faculties.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	Students will obtain information of CCAs offered by a particular institute.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student will be allowed to select an institute from a list base on their interest. 5) The system will display a list of option. Students can select one of the options to retrieve the information that they need. 6) The student proceeds to select "CCA" 7) A list of CCAs offered by the institute will be displayed.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC07		
Use Case Name:	Filter search & search		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student
Description:	The filter search feature provides users with a series of options to provide a further tailored list of institutes or courses. This is a medium priority feature that will value add to the application. Alternative to filter search, the user may also use the search function to search similar courses across different institute.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	Students will be able to find out schools and programs offered based on their preference and selection.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student proceeds to select the filter/search function at the bottom of user interface. 5) The system will display various input features for the user to select/search.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	UC08
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC08		
Use Case Name:	Perform algorithm/logic to accommodate user's input		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student, SearchSortAlgorithm, Csv Parse
Description:	The search sort class will filter data based on user selection. The required data will be retrieved by an efficient searching algorithm. The retrieved items will undergo a sorting algorithm to sort the data before displaying it to the user.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	The data returned by the search algorithm class will be displayed to the user via a list.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student proceeds to select the filter/search function at the bottom of user interface. 5) The system will display various input features for the user to select/search. 6) The search sort algorithm will proceed to retrieve the appropriate data, sort it with efficient sorting algorithm.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	UC09/10
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC09		
Use Case Name:	Institute/Courses/Requirement data		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student, Search Sort Algorithm, Csv Parse
Description:	The institute/courses/requirement data is an entity class consist of information about institute, faculties, and courses and all the statistical data associate with the institute.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	Institute/Courses/Requirement data will return information queried by Search Sort Algorithm class.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student proceeds to select the filter/search function at the bottom of user interface. 5) The system will display various input features for the user to select/search. 6) The search sort algorithm will proceed to retrieve the appropriate data, sort it with efficient sorting algorithm, before displaying it to the user via a list.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	UC10		
Use Case Name:	Display list of school & courses base on result entered		
Created By:	Terrence	Last Updated By:	Terrence
Date Created:	3/9/2021	Date Last Updated:	5/11/2021

Actor:	Student, Search Sort Algorithm, Csv parse
Description:	Display the result on a list returned by Search Sort Algorithm.
Preconditions:	1) User's mobile phone must download the application. 2) The mobile phone must have sufficient memory available to launch task.
Postconditions:	The data returned by the Search Sort Algorithm will be displayed to the user via a list.
Priority:	NIL
Frequency of Use:	NIL
Flow of Events:	1) The student launches the School Admission One-Stop application on the mobile phone. 2) The system will require the user to select the post-secondary student or post 'A' level/diploma student option. 3) The students will be directed to the right platform base on its selection. 4) The student proceeds to select the filter/search function at the bottom of user interface. 5) The system will display various input features for the user to select/search. 6) The search sort algorithm will proceed to retrieve the appropriate data, sort it with efficient sorting algorithm, before displaying it to the user via a list. 7) The result will be display on a recycled list for better performance.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL