Use Case Template

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| 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: | 3/9/2021 |

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| 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 |

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| Use Case ID: | UC02 | | |
| Use Case Name: | Select school | | |
| Created By: | Terrence | Last Updated By: | Terrence |
| Date Created: | 3/9/2021 | Date Last Updated: | 3/9/2021 |

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| Actor: | Student |
| Description: | This feature allows users to select a school out of a list of school displayed. |
| 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 school/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 a school from a list base on their interest. |
| Alternative Flows: | NIL |
| Exceptions: | NIL |
| Includes: | UC03 |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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

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| Actor: | Student |
| Description: | This feature allows users to select relevant information they want to find out. For example, courses, CCAs and entry requirement of a particular school. |
| 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 school 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 a school 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  UC05  UC06 |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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| Use Case ID: | UC04 | | |
| Use Case Name: | Entry requirement based on previous intake | | |
| Created By: | Terrence | Last Updated By: | Terrence |
| Date Created: | 3/9/2021 | Date Last Updated: | 3/9/2021 |

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| Actor: | Student |
| Description: | This feature allows users to view entry requirement of a particular school 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 a school 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 “entry requirement base on previous intake”. 7. The system will display the statistical data of entry requirement |
| Alternative Flows: | AFS5:   1. In an event that a school does not have data on previous year intake, there will be a system message “No information found”. 2. The system returns to step 5 |
| Exceptions: | NIL |
| Includes: | NIL |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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| Use Case ID: | UC05 | | |
| Use Case Name: | Display a list of programmes offered by the selected school | | |
| Created By: | Terrence | Last Updated By: | Terrence |
| Date Created: | 3/9/2021 | Date Last Updated: | 3/9/2021 |

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| Actor: | Student |
| Description: | Displays a list of faculty and courses available in an institute. Students can find out more about the programme /courses offered by a particular school. |
| 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 a school 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 school will be displayed. 8. The student can further select a particular faculty and the courses that are offered to acquire more information. |
| Alternative Flows: | NIL |
| Exceptions: | NIL |
| Includes: | NIL |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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| Use Case ID: | UC06 | | |
| Use Case Name: | Display university ranking | | |
| Created By: | Terrence | Last Updated By: | Terrence |
| Date Created: | 3/9/2021 | Date Last Updated: | 3/9/2021 |

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| Actor: | Student |
| Description: | Students are able view the university ranking which may help in decision making and information gathering on the university. |
| 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 the ranking of the local university according to the global standard and find out the top courses offered by the universities. |
| 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 a school 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 “Display university ranking” 7. The system will display information about local universities and their ranking. |
| Alternative Flows: | NIL |
| Exceptions: | NIL |
| Includes: | NIL |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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| --- | --- | --- | --- |
| Use Case ID: | UC07 | | |
| Use Case Name: | Filter search & selection | | |
| Created By: | Terrence | Last Updated By: | Terrence |
| Date Created: | 3/9/2021 | Date Last Updated: | 3/9/2021 |

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| Actor: | Student, Control class |
| 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. |
| 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 school and programme 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 function at the bottom of user interface. 5. The system will display various checkbox of schools and area of interest allowing the user to filter based on their preference. |
| Alternative Flows: | AFS5:   1. When there is no option selected, there will be a system message “Please select at least 1 option”. 2. System returns to step 5 |
| Exceptions: | NIL |
| Includes: | UC08 |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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| --- | --- | --- | --- |
| 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: | 3/9/2021 |

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| Actor: | Student, Control class, Entity class |
| Description: | The control class will filter data based on user selection. The remaining items will undergo a sorting algorithm to sort the data. The required data will be retrieved by an efficient searching 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 control 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 function at the bottom of user interface. 5. The system will display various checkbox of schools and area of interest allowing the user to filter based on their preference. 6. The control class will query data based on user selection from an entity class and proceed with its algorithm with the retrieved data. |
| Alternative Flows: | NIL |
| Exceptions: | NIL |
| Includes: | UC09  UC10 |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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| Use Case ID: | UC09 | | |
| Use Case Name: | System data | | |
| Created By: | Terrence | Last Updated By: | Terrence |
| Date Created: | 3/9/2021 | Date Last Updated: | 3/9/2021 |

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| Actor: | Student , Control class, Entity class |
| Description: | The system data is a database consist of information about school, courses and all the statistical data associate with the school. |
| Preconditions: | 1. User’s mobile phone must download the application. 2. The mobile phone must have sufficient memory available to launch task. |
| Postconditions: | System data will return information queried by control 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 function at the bottom of user interface. 5. The system will display various checkbox of schools and courses allowing the user to filter based on their preference. 6. The control class will query data based on user selection. 7. The entity class will return the appropriate queried data to control class. |
| Alternative Flows: | NIL |
| Exceptions: | NIL |
| Includes: | NIL |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |

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| --- | --- | --- | --- |
| 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: | 3/9/2021 |

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| Actor: | Student, Control class, Entity class |
| Description: | Display the result on a list return from control class. |
| 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 control 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 function at the bottom of user interface. 5. The system will display various checkbox of schools and courses allowing the user to filter based on their preference. 6. The control class will query data based on user selection from an entity class and proceed with its algorithm with the retrieved data. 7. The results will be displayed in a list. |
| Alternative Flows: | NIL |
| Exceptions: | NIL |
| Includes: | NIL |
| Special Requirements: | NIL |
| Assumptions: | NIL |
| Notes and Issues: | NIL |