Use Case #1

|  |  |
| --- | --- |
| Name | Manual Entry For Campers in Schedule |
| ID | UC\_1 |
| Description | Mechanism for adding or deleting campers from classes |
| Actors | Administrators |
| Organizational Benefits | Allows for changes to be made to class rosters after the system has been locked down and initial assignments have been placed. |
| Frequency of use | At least once every term by every camper |
| Triggers | Access through menuing system |
| Preconditions | - Classes exist in the system  - Student exists in system |
| Postconditions | A camper has been manually added or saved to a class |
| Main Course | * Select a class to modify * Use check marker system to select students to add or remove * Press add or Remove |
| Alternate Course | AC1: Add student to class that is already full   * Flag that class is full * Doesn’t add or remove student and back to step 2 |
| Exceptions |  |

Use Case #2

|  |  |
| --- | --- |
| Name | View Schedule |
| ID | UC\_2 |
| Description | Campers should be able to print and view their schedule |
| Actors | Campers |
| Organizational Benefits | Allows an easy interface for campers to keep track of their schedule. |
| Frequency of use | As often as campers prefer |
| Triggers | Access as an option from the menuing system |
| Preconditions | Campers have been assigned classes by the system |
| Postconditions | Camper has viewed or printed their schedule |
| Main Course | 1. Camper selects their schedule  2. Schedule is displayed to the screen  3. Camper selects print |
| Alternate Course | AC1: Camper doesn’t want to print their schedule   * From step 2, select back rather than print |
| Exceptions |  |

Use Case # 3

|  |  |
| --- | --- |
| Name | Class enrollment Analysis |
| ID | UC\_3 |
| Description | Allow administrators to analyze classes for enrollment (high and low) |
| Actors | Administrators |
| Organizational Benefits | Allows administrators to make better management decisions on |
| Frequency of use | As often as needed |
| Triggers | Administrator selects option through menuing system |
| Preconditions | - Initial Class assignments have been placed. |
| Postconditions | - Administrator is able to view class enrollment statistics |
| Main Course | 1. Administrator selects analyze course enrollments  2. Results are shown on their screen |
| Alternate Course |  |
| Exceptions |  |

Use Case # 4

|  |  |
| --- | --- |
| Name | Modify class offerings |
| ID | UC\_4 |
| Description | Add or Remove Class offerings |
| Actors | Administrator |
| Organizational Benefits | Gives the administrator the ability to create & remove classes |
| Frequency of use | As often as needed |
| Triggers | Access from menuing system |
| Preconditions | - Administrator is in the system  - Administrator has confirmed with instructor that they can teach the course |
| Postconditions | - Administrator has made changes to the list of classes in the system.  - Available classes have changed |
| Main Course | 1. Administrator initiates changes to the system 2. Administrator makes relevant changes 3. Changes are saved to the system |
| Alternate Course | AC1: Administrator chooses to create a new class  AC2: Administrator chooses to remove a current class. |
| Exceptions |  |

Use Case # 5

|  |  |
| --- | --- |
| Name | View Empty Blocks |
| ID | UC\_5 |
| Description | Allow admins to view empty blocks of classes |
| Actors | Administrator |
| Organizational Benefits | Allow administrators to make better decisions on class change information |
| Frequency of use | As often as needed |
| Triggers | Option accessed through a menuing system |
| Preconditions | - Classes have been inputted into the system |
| Postconditions | - Administrator is able to see which blocks have empty classes |
| Main Course | 1. Administrator selects view empty blocks from menu  2. All available open blocks of classes are displayed |
| Alternate Course |  |
| Exceptions | Ex1: No open blocks   * System displays a message stating “no empty blocks present” |

Use Case # 6

|  |  |
| --- | --- |
| Name | View Current class list |
| ID | UC\_6 |
| Description | Allow instructors to be able to see an online report of a current class list and should be able to print it |
| Actors | Instructors |
| Organizational Benefits | Allows a convenient way of letting instructors view their current class roster. |
| Frequency of use | As many times as an instructor requires |
| Triggers | Access an option from a menuing system |
| Preconditions | - Class rankings have been assigned  - The class exists and the instructor has been assigned to teaching that class |
| Postconditions | - Instructor is able to view a current class list and print it if they so choose. |
| Main Course | 1. Instructor selects a class  2. Instructor select view  3. Class roster is displayed to screen  4. Instructor selects print  5. Class roster is printed |
| Alternate Course | AC1: Instructor does not want to print class list   * From MC3, Instructor selects back instead of print |
| Exceptions |  |

Use Case # 7

|  |  |
| --- | --- |
| Name | Generate classes for students |
| ID | UC\_7 |
| Description | Generate a complete class schedule for every student in the system |
| Actors | Admins |
| Organizational Benefits | Create a fair and fast way of assigning classes |
| Frequency of use | At least once every session |
| Triggers | User pushes button? To kickstart something |
| Preconditions | System is locked  -Instructors have set of classes they are teaching  -All students have subbed class preferences |
| Postconditions | All students have a complete schedule |
| Main Course | 1. System checks to see if system is locked  2. System runs fair voting algorithm to assign classes |
| Alternate Course |  |
| Exceptions |  |

Use Case #8

|  |  |
| --- | --- |
| Name | Submit Class Rankings |
| ID | UC\_8 |
| Description | Allows campers to submit their class ranking forms |
| Actors | Camper |
| Organizational Benefits | Allows an easy way for students to submit rankings. Cuts down on paper forms and the need to process them manually |
| Frequency of use | Once per camper (unless they can update rankings?) |
| Triggers | Camper presses submit button on the form page |
| Preconditions | - At least 10 different classes are ranked  - No two classes have the same ranking  - No class has more than one ranking |
| Postconditions | Camper preferences are saved to the system. |
| Main Course | 1. System confirms at least 10 items are ranked  2. System saves the user preferences to the system  3. System redirects user to view saved selections |
| Alternate Course | AC1: User did not rank all 10 slots before pressing submit  1. Flag user  2. Return to MC2  AC2 user logs out before submitting  1. Current selection saved  2. Send user to login screen |
| Exceptions |  |

Use Case # 9

|  |  |
| --- | --- |
| Name | Lock Rankings |
| ID | UC\_9 |
| Description | Allow Administrators to lock the system out from students |
| Actors | Administrators |
| Organizational Benefits | Allows the administrator the ability to close the system down in order to run class assignment function. |
| Frequency of use | Once every session |
| Triggers | User access button through menuing system |
| Preconditions | - All students have submitted rankings to the system |
| Postconditions | - It is no longer possible to have students submit additional rankings. |
| Main Course | 1. User initiates locking system  2. System locks itself |
| Alternate Course |  |
| Exceptions |  |

Use Case # 10

|  |  |
| --- | --- |
| Name | Log in |
| ID | UC\_10 |
| Description | Allows a user to log into the system with verified credentials |
| Actors | Administrators  Campers  Instructors |
| Organizational Benefits | Allows a secure way of accessing the system |
| Frequency of use | As often as needed |
| Triggers | User initiates the software |
| Preconditions | - User has been assigned a username and password |
| Postconditions | - User has access to the system and relevant functions |
| Main Course | 1. User activates software  2. User is brought to the login portal  3. User Inputs there credentials  4. User is brought to the main screen of the program |
| Alternate Course | AC: User inputs incorrect credentials  1. Display error prompt  2. Return user to log in screen |
| Exceptions |  |