

Use Cases for the CRSS

1. Create New Account

Name	Create New Account
ID	CRSS_001
Description	An account is created for a new user of the CRSS
Actors	<ul style="list-style-type: none">• Who is responsible for creating accounts?• It seems like accounts should be created by administrators and assigned when an instructor or camper registers but is this the right approach?• Or does an assistant/instructor/camper create an account and before they can use it an administrator has to approve the account and assign privileges?
Organizational Benefits	This allows the organization to track who has access to the content of the online system
Frequency of Use	<ul style="list-style-type: none">• Once per new user of the system• Or should it be once per new user of the system for each session?
Triggers	Is the trigger for this the user registering for a camp session or is it the user selects that they would like to create an account on a landing page?
Preconditions	<ul style="list-style-type: none">• The user does not already have an account• The user is attending a session of the camp
Postconditions	An account is created for the user that gives them certain access to the CRSS
Main Course	<p><i>The main course will depend on how accounts should be created. I will write the main course as if administrators create all accounts for the system once an instructor/camper signs up to teach/attend a session but these will all be assumptions that would need to be further clarified by interviewing stakeholders.</i></p> <ol style="list-style-type: none">1. Administrator creates a username and temporary password for the new user, assigning the account the necessary privileges2. Email sent to new user with temporary account info and password reset link3. User resets password (this would be a use case in it of itself)4. User logs in to confirm account (see Log In use case)
Alternate Courses	Depending on how accounts are created there could be many or few alternate courses
Exceptions	Exceptions will be hard to define without knowing the exact flow for how accounts should be created.

2. Log In

Name	Log In
ID	CRSS_002
Description	The user logs into the CRSS.
Actors	Instructor/Administrator/Assistant/Camper
Organizational Benefits	Allows for quick access to the system and provides a way to filter what the user sees based on their account privileges
Frequency of Use	Everytime the user wants to use the CRSS in some capacity
Triggers	The user navigates to the CRSS website
Preconditions	The user has not logged in
Postconditions	The user is logged into the system
Main Course	<ol style="list-style-type: none">1. The system directs the user to the page where they can log in.2. The user enters their username and password and selects the button to log in.3. The system checks that required fields are not blank (see EX1).4. The system checks whether the username and password are correct (see EX2).5. The user is logged in and is directed to the main landing page for the CRSS
Alternate Courses	<ul style="list-style-type: none">• Are there alternative ways that a user could log into the system?• Can a user be auto logged in from a recent closed session that hasn't timed out yet? (using browser cookies for example)
Exceptions	<p>EX1: The required fields are blank.</p> <ol style="list-style-type: none">1. The system notifies the user of the failure.2. Return user to Main Course step 1. <p>EX2: The username or the password is incorrect.</p> <ol style="list-style-type: none">1. The system notifies the user of the failure.2. Return user to Main Course step 1.

3. Log out

Name	Log out
ID	CRSS_003
Description	The user logs out of the CRSS
Actors	Instructor/Administrator/Assistant/Camper
Organizational Benefits	Gives the users the ability to log out that way no one can gain access their account while they are away from their computer
Frequency of Use	Are users automatically logged out of the system when they close the website or will they remain logged in for a period of time unless they forcibly log out?
Triggers	<ul style="list-style-type: none">• The user selects to log out from the menuing system• Can they also be logged out by a timer or by closing the website window?
Preconditions	The user is logged in to the CRSS
Postconditions	The user is logged out of the CRSS
Main Course	<p><i>The main course for this use case is assuming a forced log out initiated by the user but there are other potential ways the user could be logged out which are mentioned above</i></p> <ol style="list-style-type: none">1. The user selects the menu item to log out2. The system prompts the user to confirm that they want to log out3. The user confirms they want to log out (see EX1)4. The system logs out the user and goes to the log in landing page (see Log In use case)
Alternate Courses	<ul style="list-style-type: none">• Can the user be logged out due to inactivity?• Can the user log out by simply closing the CRSS browser window?
Exceptions	<p>EX1: The user decides they don't want to log out.</p> <ol style="list-style-type: none">1. The system cancels the log out process and the user remains logged in

4. Administrator/Assistant Inputs Class Information

Name	Administrator/Assistant inputs the class information
ID	CRSS_004
Description	The user adds classes into the system
Actors	Administrator/assistant
Organizational Benefits	Allows for classes to be added to the system for campers to take/instructors to teach in an efficient and controlled manner
Frequency of Use	Every time a new class is approved to be added for a session by an administrator
Triggers	User navigates to the add classes area from the menu.
Preconditions	The user is verified as an administrator/assistant.
Postconditions	The course information is stored in the system.
Main Course	<ol style="list-style-type: none"> 1. The system presents the form to input class information. 2. The user enters the information. 3. The system prompts user to confirm the submission 4. The user confirms the submission(see EX1). 5. The system checks that required fields are not blank (see EX2). 6. The system checks whether the information meets the requirements(see EX3): <ul style="list-style-type: none"> - The same class is not offered in the same time slot. 7. System stores the class information. 8. System redirects the user to view the added class information.
Alternate Courses	
Exceptions	<p>EX1: The user decides not to submit the form.</p> <ol style="list-style-type: none"> 1. The system cancels the submission. 2. Return user to Main Course step 2. <p>EX2: The required fields are blank.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 2. <p>EX3: The information fails to meet the requirements.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 2.

5. Administrator/Assistant Updates Course Information

Name	Administrator/Assistant Updates Course Information
ID	CRSS_005
Description	User updates the course information.
Actors	Administrator/Assistant
Organizational Benefits	Allows for additional times and instructor changes to be updated regarding course information
Frequency of Use	Will this be allowed to be modified after the system is locked and schedules made?
Triggers	User navigates to the update course information area from the manu.
Preconditions	The user is verified as an administrator/assistant.
Postconditions	The course information is updated.
Main Course	<ol style="list-style-type: none"> 1. The system displays a list of courses on the page. 2. The user selects the course that needs to be updated. 3. The system directs the user to the edit information page of that course. 4. The user enters the new information. 5. The system prompts the user to confirm the submission. 6. The user confirms the submission(see EX1). 7. The system checks that required fields are not blank (see EX2). 8. The system checks whether the information meets the requirements(see EX3): <ul style="list-style-type: none"> - The same class is not offered in the same time slot. 9. System stores the updated class information. 10. System redirects the user to the update course information area.
Alternate Courses	
Exceptions	<p>EX1: The user decides not to submit the update.</p> <ol style="list-style-type: none"> 1. The system cancels the submission. 2. Return user to Main Course step 4. <p>EX2: The required fields are blank.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 4. <p>EX3: The information fails to meet the requirements.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 4.

6. View Class Information

Name	View Class Information
ID	CRSS_006
Description	The user views the class information.
Actors	Instructor/Administrator/Assistant/Camper
Organizational Benefits	Allows instructors, administrators, and campers all to see the available sections offered for each class for a given session.
Frequency of Use	As desired? No limitations?
Triggers	The user selects to view the class information
Preconditions	<ul style="list-style-type: none">• Users must be logged in.• Class must be offered for the session.
Postconditions	The class information is displayed on the page.
Main Course	<ol style="list-style-type: none">1. User navigates to course option on menu2. The system displays a list of courses on the page.3. The user selects the course that they want to view.4. The system displays the course information on the page.
Alternate Courses	
Exceptions	EX1: System fails to show available classes <ol style="list-style-type: none">1. System notifies the administrator.2. User returns to step 1 of Main Course

7. Camper Ranks the Available Classes

Name	Camper ranks the available classes
ID	CRSS_007
Description	Camper ranks the classes and submits the ranking form.
Actors	Camper
Organizational Benefits	Allows the organization to better place campers in classes they will enjoy, that way they enjoy the camp session more
Frequency of Use	Are campers allowed to update their rankings before the system locks?
Triggers	Camper navigates to the class ranking area of the system via the menu
Preconditions	<ul style="list-style-type: none"> • All the class names offered in the current session are provided in the system. • Should a camper be logged in already before they can go through this use case? • The camper is registered in the current session • Is the camper allowed to save/submit their rankings more than once or is there a precondition that they haven't submitted their rankings before (see frequency of use question)?
Postconditions	The form is saved in the system and visible to the user after successful submission.
Main Course	<ol style="list-style-type: none"> 1. The system directs the user to the page where he can see the class. information and work on the ranking form. 2. The user fills in the form. 3. The system prompts the user to confirm the submission. 4. The user confirms the submission (see EX1). 5. The system checks whether the form meets the requirements (see EX2): <ul style="list-style-type: none"> - At least 10 different classes are ranked - No two classes can have the same ranking - No class has more than one ranking 6. The system stores the ranking form 7. The system redirects the user to his saved form to view the full ranking list.
Alternate Courses	
Exceptions	<p>EX1: The user decides not to submit the ranking form.</p> <ol style="list-style-type: none"> 1. The system cancels the submission. 2. Return user to Main Course step 2. <p>EX2: The form fails to meet the requirements.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 2.

8. Administrator Creates Camper Schedules

Name	Admin creates camper schedules
ID	CRSS_008
Description	Administrator runs CRSS to place campers in classes based on their rankings for the upcoming session
Actors	Administrator
Organizational Benefits	<ul style="list-style-type: none"> Allows for the creation of fair schedules based on both camper interest and when they registered for the camp/ranked their class preferences Speeds up the process considerably from doing this manually
Frequency of Use	Once per session
Triggers	Administrator navigates to program running area from menu
Preconditions	<ul style="list-style-type: none"> The system is locked All instructors have classes/class size approved Program hasn't been run yet The administrator has an account and is logged in The administrator is connected to the internet
Postconditions	<ul style="list-style-type: none"> A report is generated with the schedules filled out. This cannot be run again for this session
Main Course	<ol style="list-style-type: none"> Admins runs program (see EX1 and EX2) Report generated
Alternate Courses	
Exceptions	<p>EX1: Report has already run.</p> <ol style="list-style-type: none"> See "Manual changes" use case <p>EX2: Program errors (can't generate the report).</p> <ol style="list-style-type: none"> System notifies administrator System unlocks Go to step 1 of Main Course

9. Administrator Adds Camper Into Class Manually

Name	Admin adds campers into classes manually
ID	CRSS_009
Description	The administrator adds campers into the classes after the software has been run.
Actors	Administrator
Organizational Benefits	Allows for class movements to be accomplished after registration has been closed and the system been run
Frequency of Use	Do we allow this to be used before the software has been run?
Triggers	The user enters the manual entry for adding campers to classes.
Preconditions	The software has been run.
Postconditions	The camper is added into the class.
Main Course	<ol style="list-style-type: none"> 1. The system presents the page to add campers into class. 2. The user enters the information of the camper and the class. 3. The system checks that required fields are not blank (see EX1). 4. The system checks whether the information meets the requirements(see EX 2): <ul style="list-style-type: none"> - The time of the added class shouldn't conflict with other classes the camper already has. 5. System stored the updated information.
Alternate Courses	
Exceptions	<p>EX1: The required fields are blank.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 2. <p>EX2: The information fails to meet the requirements.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 2.

10. Administrator Deletes Camper From Class Manually

Name	Admin deletes campers from classes manually
ID	CRSS_010
Description	Administrator deletes campers from the classes after the software has been run.
Actors	Administrator
Organizational Benefits	Allows Admin to modify campers from the classes after the software has been run
Frequency of Use	Is this allowed before the software has been run?
Triggers	The user enters the manual entry for deleting campers to classes.
Preconditions	The software has been run.
Postconditions	The camper is deleted from the class.
Main Course	<ol style="list-style-type: none"> 1. The system presents the page to delete campers from class. 2. The user enters the information of the camper and the class. 3. The system checks that required fields are not blank (see EX1). 4. The system checks whether the information meets the requirements(see EX 2): <ul style="list-style-type: none"> - The camper is in the class. 5. System stored the updated information.
Alternate Courses	
Exceptions	<p>EX1: The required fields are blank.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 2. <p>EX2: The information fails to meet the requirements.</p> <ol style="list-style-type: none"> 1. The system notifies the user of the failure. 2. Return user to Main Course step 2.

11. Administrator Analyzes Classes for Enrollment

Name	Administrator Analyzes Classes for Enrollment
ID	CRSS_011
Description	Administrator is able to analyze the enrollment of classes (high/low).
Actors	Administrator
Organizational Benefits	Allows admin to look at the number of campers enrolled in each class during a given session
Frequency of Use	As needed
Triggers	The administrator navigates to the analyze class area from the menu.
Preconditions	<ul style="list-style-type: none">• The user has an administrator's credential and is logged in.• The enrollment of classes is finished.
Postconditions	The analysis of the classes for enrollment is displayed on the page.
Main Course	<ol style="list-style-type: none">1. User maneuvers to Enrollment Statistics section of menu2. The system displays the analysis of the classes for enrollment.
Alternate Courses	
Exceptions	

12. Administrator Analyzes Student Need

Name	Administrator Analyzes Student Need
ID	CRSS_012
Description	Administrator is able to analyze the student's needs (empty blocks/duplicates/etc.).
Actors	Administrator
Organizational Benefits	Administrator is able to analyze the student's needs (empty blocks/duplicates/etc.).
Frequency of Use	No limitations
Triggers	The administrator navigates to the analyze student area from the menu.
Preconditions	<ul style="list-style-type: none">• The user has an administrator's credential and is logged in• The student schedule has been created.
Postconditions	The analysis of student need is displayed on the page.
Main Course	The system displays the analysis of student need.
Alternate Courses	
Exceptions	

13. Camper Views Their Class Schedule Online

Name	Camper Views Their Class Schedule Online
ID	CRSS_013
Description	The camper is able to view their class schedule online after the schedule has been created.
Actors	Camper
Organizational Benefits	The camper is able to view their class schedule online after the schedule has been created.
Frequency of Use	No limitations
Triggers	The camper navigates to the view schedule area from the menu.
Preconditions	The camper has been assigned the classes for the week by the administrators.
Postconditions	The class schedule is displayed on the page.
Main Course	<ol style="list-style-type: none">1. The user selects a specific week to see the schedule for that week.2. The system checks whether the class schedule is available(see EX1).3. The system displays the class schedule.
Alternate Courses	
Exceptions	EX1: The class schedule is not available. <ol style="list-style-type: none">1. The system notifies the user of the failure.2. Return user to Main Course step 1.

14. Campers Print Their Class Schedule

Name	Campers print their class schedule.
ID	CRSS_014
Description	Camper views and prints his class schedule online after being assigned his classes for the week by the administrator.
Actors	Campers
Organizational Benefits	Camper views and prints his class schedule online after being assigned his classes for the week by the administrator.
Frequency of Use	No limitations
Triggers	The user navigates to the area where they can view and print the schedule.
Preconditions	The classes have been assigned.
Postconditions	The system displays the class schedule and prints it
Main Course	<ol style="list-style-type: none">1. The system checks whether the class schedule is available.2. The system displays the class schedule.3. The user clicks the print button.4. The system prompts the user to confirm the printing request.5. The user confirms the printing(see EX1).6. The system prints the schedule out.
Alternate Courses	
Exceptions	<p>EX1: The user decides not to submit the printing request .</p> <ol style="list-style-type: none">1. The system cancels the printing.2. Return user to Main Course step 2.

15. Instructor Views a Camper's Schedule Online

Name	Instructor Views a Camper's Schedule Online
ID	CRSS_015
Description	Instructor is able to view the camper's schedule online
Actors	Instructor
Organizational Benefits	Instructor is able to view the camper's schedule online
Frequency of Use	No Limitations
Triggers	Instructor navigates to the area where they can view the camper's schedule.
Preconditions	<ul style="list-style-type: none">• The camper's schedule has been created.• The user has an instructor's credential.
Postconditions	The system displays the camper's schedule on the page.
Main Course	<ol style="list-style-type: none">1. The system presents a page where the user can enter the camper's username.2. The user enters a camper username.3. The system checks whether the username is correct (see EX1).4. The system displays the camper's schedule on the page.
Alternate Courses	
Exceptions	EX1: The username is incorrect. <ol style="list-style-type: none">1. The system notifies the user of the failure.2. Return user to Main Course step 2.

16. Instructor Views Online Report of a Current Class List

Name	Instructor Views Online Report of a Current Class List
ID	CRSS_016
Description	The instructor is able to view their current class list.
Actors	Instructor
Organizational Benefits	Allos the instructors to reference when they will be teaching classes for a given session of camp.
Frequency of Use	No limitations on the number of times this can be done.
Triggers	The instructor navigates to the view schedule area from the menu.
Preconditions	The user has an instructor's credential and is logged in.
Postconditions	The current class list is displayed on the page.
Main Course	<ol style="list-style-type: none">1. User navigates the menu to find the current class list.2. The system displays the class schedule.
Alternate Courses	ALT1: The user does not have a current class list <ol style="list-style-type: none">1. See Use Case 4.4 “Administrator/Assistant inputs class information”
Exceptions	EX1: The class schedule is not available. <ol style="list-style-type: none">1. The system notifies the user of the failure.2. Return user to Main Course step 1.

17. Instructor Prints Report of a Current Class List

Name	Instructor Prints Report of a Current Class List
ID	CRSS_017
Description	Instructor views and prints their class schedule online.
Actors	Instructor
Organizational Benefits	Allows the instructor to obtain a hard copy of their current class list. Can an instructor print a report that is not theirs?
Frequency of Use	When Instructor desires to print schedule
Triggers	User navigates to viewing and printing class list area from menu
Preconditions	The user has an instructor's credential and is logged in.
Postconditions	The system displays the class list and prints it
Main Course	<ol style="list-style-type: none"> 1. The system displays the current class list. 2. The user clicks the print button. 3. The system prompts the user to confirm the printing request. 4. The user confirms the printing(see EX1). 5. The system prints the schedule out.
Alternate Courses	ALT1: The user does not have a current class list <ol style="list-style-type: none"> 1. See Use Case 4.4 “Administrator/Assistant inputs class information”
Exceptions	EX1: The user decides not to submit the printing request . <ol style="list-style-type: none"> 1. The system cancels the printing. 2. Return user to Main Course step 1.