

ESOF 322: Project 2 - Camp Management System; Test Plan

Jacob Coleman, William Jardee, Fletcher Philips, Megan Steinmasel

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Test Plan

This is the Test Plan for the Camp Management System provided. Since there are 13 usecases, we have opted to only write test plans for eight of them; two by each group member. All relevant information about the usecases can be see in appendix [A](#).

Test Suite 1: Messaging System

Test Suite 2: View Camper Information

ID:	TC03
Name:	Search Campers Test
Author:	Megan Steinmasel
Summary:	
Related Requirements:	“View Camper” - Search Campers Use Case
Preconditions:	<ol style="list-style-type: none">1. Camper and parent information is submitted into the system.2. Camper and parent information is accessible from search.
Test Script/ Procedure:	<ol style="list-style-type: none">1. Navigate to search option.2. Enter search term (this is defined per test) into search bar.3. Click enter.
Test Data	Camper: “Max Johnson” with Parent: “Jane Williams”.

Test Case #	Test Data	Expected Result	Summary
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TC03-01	Camper first name: "Max"	Relevant camper is displayed	Verifies a valid camper's first name is searchable and their information is displayed correctly.
TC03-02	Camper last name: "Johnson"	Relevant camper is displayed	Verifies a valid camper's last name is searchable and their information is displayed correctly.
TC03-03	Camper first and last name: "Max Johnson"	Relevant camper is displayed	Verifies a valid camper's first and last name is searchable and their information is displayed correctly.
TC03-04	Parent first name: "Jane"	Relevant parent is displayed	Verifies a valid parent's first name is searchable and their information is displayed correctly.
TC03-05	Parent last name: "Williams"	Relevant parent is displayed	Verifies a valid parent's last name is searchable and their information is displayed correctly.
TC03-06	Camper first and last name: "Jane Williams"	Relevant parent is displayed	Verifies a valid parent's first and last name is searchable and their information is displayed correctly.
TC03-07	First name: "ffjbvl"	No campers/parents are displayed	Verifies an invalid first name displays no result.
TC03-08	Last name: "cfgkp"	No campers/parents are displayed	Verifies an invalid last name displays no result.
TC03-09	First and last name: "ffjbvl cfgkp"	No campers/parents are displayed	Verifies an invalid first or last name displays no result.

ID:	TC04
Name:	Sort Campers
Author:	Megan Steinmasel
Summary:	
Related Requirements:	“View Camper” - Sort Campers Use Case
Preconditions:	<ol style="list-style-type: none"> 1. Camper and parent information (name, allergies, camp, account balance, age) is submitted into the system. 2. Camper and parent information is accessible for sorting.
Test Script/ Procedure:	<ol style="list-style-type: none"> 1. Navigate to sort option. 2. Select a category of camper information to sort by. 3. Click enter.
Test Data	<p>A full dichotomy of the following character sets (324 entries total):</p> <p>name → {Alex Doe, Alex Smith}</p> <p>allergies → {None, peanuts, gluten, misc}</p> <p>camp → {Camp 1, Camp 2, Camp 3}</p> <p>account balance → {\$0, \$0.12, \$10}</p> <p>age → {7, 12, 17}</p>

Test Case #	Sort Category	Expected Result	Summary
TC04-01	Name	Campers are sorted alpha-numerically by name	Verifies sorting is valid and completed for the name category.
TC04-02	Allergies	Campers are sorted alpha-numerically by allergies	Verifies sorting is valid and completed for the allergies category.
TC04-03	Camp	Campers are sorted alpha-numerically by camp	Verifies sorting is valid and completed for the camp category.

TC04-04	Account Balance	Campers are sorted numerically by payments	Verifies sorting is valid and completed for the payments category.
TC04-05	Age	Campers are sorted numerically by age	Verifies sorting is valid and completed for the age category.

Test Suite 3: View Schedule

Test Suite 4: Attendance Tracking

ID:	TC07
Name:	Track Attendance
Author:	Jacob Coleman
Summary:	
Related	
Preconditions:	<ol style="list-style-type: none"> 1. Camper has been entered into the system. 2. Camper is able to be searched for in system.
Test Script/ Procedure:	<ol style="list-style-type: none"> 1. Sign in with proper credentials. 2. Navigate to attendance page. 3. Enter appropriate data. 4. Click enter.
Test Data	<p>Two camper's data:</p> <ul style="list-style-type: none"> • John Doe: Camper who is currently present. • Jimmy Smith: Camper who is currently absent.

Test Case #	Search Term	Expected Result	Summary
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TC07-01	Enter camper name: "John Doe"	Notification that the camper is marked as present.	Verifies that the camper name entered has been accounted for and registered as "present" in the system.
TC07-02	Enter camper name: "Jimmy Smith"	Notification that the camper is marked as absent	Verifies the camper name entered has not been accounted for, being marked as "absent" in the system.
TC07-03	Enter camper name: "Mike Jones"	Notified that the camper is not registered in the system	Verifies the camper exists in the registered list of campers.

ID:	TC08
Name:	Schedule Absence
Author:	Jacob Coleman
Summary:	
Related Requirements:	
Preconditions:	<ol style="list-style-type: none"> 1. Parent is logged in. 2. Parent has at least one child registered as a camper.
Test Script/ Procedure:	<ol style="list-style-type: none"> 1. navigate to “schedules” page. 2. Select to input excused absence. 3. Enter appropriate data (select date(s) for absence). 4. Click enter.
Test Data	<p>Two family’s data:</p> <ul style="list-style-type: none"> • Family 1: Has one child attending camp this week and next (Jimmy Smith). • Family 2: Has two children attending camp this week (John Doe and Jane Doe). • Family 3: Has one child attending camp next week (Joseph Williams).

Test Case #	Search Term	Expected Result	Summary
TC08-01	Family 1; Jimmy will be absent today.	Jimmy is excused from camp for current day; message is sent to camp.	Verifies that the system is updated that the camper will be absent from camp today.
TC08-02	Family 1; Jimmy will be absent tomorrow.	Jimmy is excused from camp for tomorrow.	Verifies that the system is updated that the camper will be absent from camp tomorrow.

TC08-03	Family 2; John will be absent today	Excuses camper of same family dataset from camp today; message is sent to camp.	Verifies that a single child of a family can be excused.
TC08-04	Family 2; John and Jane will be absent today	Excuse both campers of same family dataset from camp today; message is sent to camp.	Verifies that a all child of a family can be excused.
TC08-05	Family 2; John will be absent today and Jane will be absent tomorrow	Excuse both campers of same family dataset from camp on different days; message is sent to camp.	Verifies that a all child of a family can be excused, and those days can be different.
TC08-06	Family 1; Jimmy will be absent tomorrow - > week from today	Excuse campers from camp over this range; message is sent to camp.	Verifies camper can be excused over a range.
TC08-07	Family 3; Joseph will be absent today	Parent is notified that the camper is not scheduled for camp today and nothing is changed in the system.	Verifies campers cannot be marked absent when not attending.

A Camp Management System

A.1 User Stories

A.2 Use Cases

Author: Megan Steinmasel	
Name:	Search Database
Description:	Search bar scans keywords through the database so the Website User can find a desired query/page.
Related Requirements:	User Story 1
Preconditions:	The user has successfully logged onto the website.
Successful end condition:	Successful display of search bar and successful redirection.
Failed end condition:	Search bar is not displayed or failed redirection.
Actors:	Website User
Basic Flow of Events:	<ol style="list-style-type: none">1. Actor types in keywords to the search bar and clicks enter or selects a page to navigate to.2. Request is processed, and the database is searched.3. The appropriate query/page is displayed.
Extensions/Exceptional Flow of Events:	<ol style="list-style-type: none">1. An error is recognized: the search bar is not displayed and/or failed redirection.2. Actor is notified of an error.3. Log data.4. The Actor is prompted for a refresh of the webpage.5. When the refresh button is pressed, the system re-boots and tries again.