**SYSTEM REQUIREMENTS SPECIFICATION**

CEN3031Online Team6

CareerFind

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# Introduction

## Purpose

## Business Context

## Scope

## User Characteristics

# General System Description

## System Context

## System Modes and States

## Major System Capabilities

## Major System Conditions

## Major System Constraints

## Assumptions

## Dependencies

## Operational Scenarios

# System Capabilities, Conditions, and Constraints

## Business Requirements

## Functional Requirements

### Create, Update, Delete Career Cluster

Requirements Traceability: CF01

Actor: Admin

Priority: High

Create: From the Main page Admin clicks 'Edit Clusters'. Clicks the add button (plus sign) in the upper right of the 'Edit' modal window. Types in the 'name' of the new cluster and a path to its associated 'image'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside of the 'Edit' modal window to dismiss it.

Update: From the Main page Admin clicks 'Edit Clusters'. Types desired cluster in the search field or manually locates it in the list. Clicks the pencil under 'Actions' to edit the cluster's 'name' and 'image'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

Delete: From the Main page Admin clicks 'Edit Clusters'. Types desired cluster in the search field or manually locates it in the list. Clicks the trash-can under 'Actions' to delete the associated cluster. When prompted for confirmation clicks the check mark to confirm or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

### Create, Update, Delete Career Cluster Keywords

Requirements Traceability: CF02

Actor: Admin

Priority: High

Create: From the Cluster detail page Admin clicks 'Edit Keywords'. Clicks the add button (plus sign) in the upper right of the 'Edit' modal window. Types in the 'name' of the new cluster and selects its 'type': 'subject' or 'interest'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

Update: From the Cluster detail page Admin clicks 'Edit Keywords'. Types the desired keyword in the search field or manually locates it in the list. CLicks the pencil under 'Actions' to edit the keyword's 'type'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

Delete: From the Cluster detail page Admin clicks 'Edit Keywords'. Types desired keyword in the search field or manually locates it in the list. Clicks the trash-can under 'Actions' to delete the associated keyword. When prompted for confirmation clicks the check mark to confirm or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

### Create, Update, Delete Career

Requirements Traceability: CF03

Actor: Admin

Priority: High

Create: From the Cluster Detail page Admin clicks 'Edit Careers'. Clicks the add button (plus sign) in the upper right of the 'Edit' modal window. Types in the 'name' of the new career and its annual 'salary'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside of the 'Edit' modal window to dismiss it.

Update: From the Cluster Detail page Admin clicks 'Edit Careers'. Types desired career in the search field or manually locates it in the list. Clicks the pencil under 'Actions' to edit the career's 'name' and 'salary'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

Delete: From the Cluster Detail page Admin clicks 'Edit Careers'. Types desired career in the search field or manually locates it in the list. Clicks the trash-can under 'Actions' to delete the associated career. When prompted for confirmation clicks the check mark to confirm or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

### Update Career Description

Requirements Traceability: CF03

Actor: Admin

Priority: High

Update: From the Career Detail page Admin clicks 'Edit Description'. Edits description text in the 'Edit' modal window. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside of the 'Edit' modal window to dismiss it.

### Update Career Day-in-the-Life (DITL)

Requirements Traceability: CF04

Actor: Admin

Priority: High

Update: From the Career Detail page Admin clicks 'A Day in the Life' link. From the DITL page Admin clicks 'Edit DITL'. Edits DITL article text in the 'Edit' modal window. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside of the 'Edit' modal window to dismiss it.

### Create, Update, Delete Career Celebrity Profile

Requirements Traceability: CF05

Actor: Admin

Priority: High

Create: From the Career Detail page Admin clicks 'Edit Celebrity Profile'. Types in the 'name' of the new profile and a path to its associated 'image'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside of the 'Edit' modal window to dismiss it.

Update: From the Career Detail page Admin clicks 'Edit Celebrity Profile'. Clicks the pencil under 'Actions' to edit the profile's 'name' and 'image'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

Delete: From the Career Detail page Admin clicks 'Edit Celebrity Profile'. Clicks the trash-can under 'Actions' to delete the associated profile. When prompted for confirmation clicks the check mark to confirm or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

### Update Celebrity Profile Article

Requirements Traceability: CF05

Actor: Admin

Priority: High

Update: From the Career Detail page Admin clicks the celebrity profile link (the celebrity profile 'name'). From the Celebrity Profile page Admin clicks 'Edit Article'. Edits article text in the 'Edit' modal window. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside of the 'Edit' modal window to dismiss it.

### Read CareerFind Content

Requirements Traceability: CF06, CF07, CF08, CF09

Actor: Student

Priority: High

Read: From the Main page Student clicks one of Career Cluster links to navigate to the Cluster Detail page. Student clicks one of the Career links to navigate to the Career Detail page and view the career's name, salary, associated keywords of type subject, and description. Student clicks 'A Day in the Life' link to read the article on the 'A Day in the Life' page. Student navigates back to the Career Detail page using breadcrumbs. Student clicks celebrity profile link to view associated celebrity name, image, and article on the Celebrity Profile page. Student uses breadcrumbs to navigate back to the Career Detail, Cluster Detail, or Main page.

### Create, Update, Delete Users

Requirements Traceability: CF10, CF11, CF12, CF13, CF23, CF24

Actor: Admin

Priority: High

NOTE: CF24 states that point totals can be reset for both individual students and classes… the user story should be simplified so that only student point totals can be reset. CF12 states that CRUD should be available on classes. We can meet this requirement by allowing new class names to be typed directly into the class field when adding/ editing a user.

Create: Admin clicks 'Manage Users' from the admin dashboard. Clicks the add button (plus sign) in the upper right of the modal window. Types in the 'username', 'first name', 'last name', 'class', 'points', and selects a role (S: Student or A: Admin) via dropdown. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

Update: Admin clicks 'Manage Users' from the admin dashboard. Admin can manually locate the desired user in the list or use the available tools (filter on 'class', filter on 'role', type 'username', 'first name', or 'last name' into search field). Clicks the pencil under 'Actions' to edit the user's 'first name', 'last name', 'class', 'points', or 'role'. Under 'Actions' clicks the check mark to save changes or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

Delete: Admin clicks 'Manage Users' from the admin dashboard. Admin can manually locate the desired user in the list or use the available tools (filter on 'class', filter on 'role', type 'username', 'first name', or 'last name' into search field). Clicks the trash-can under 'Actions' to delete the associated user. When prompted for confirmation clicks the check mark to confirm or the X to cancel. Clicks outside the 'Edit' modal window to dismiss it.

### Access CareerFind

Requirements Traceability: CF14

Actor: Admin, Student

Priority: High

Admin: Admin is taken to the 'CareerFind' login page when attempting to access a CareerFind url without an active session. Types credentials in the 'username' and 'password' fields and clicks 'SIGN IN'. A warning message is displayed if invalid credentials are entered. If valid credentials are entered the Admin page associated with the target url is displayed.

Student: Student is taken to the 'CareerFind' login page when attempting to access a CareerFind url without an active session. Types credentials in the 'username' and 'password' fields and clicks 'SIGN IN'. A warning message is displayed if invalid credentials are entered. If valid credentials are entered the Student page associated with the target url is displayed.

### Chat Counselor Management Module - Admin

#### CF15 - As a Admin I want to manage (CRUD) prompts that will be presented to students when they log into the site.

#### CF16 - As a Admin I want to manage (CRUD) an icon/ profile picture that will be used by the site's chat counselor.

#### CF17 - As a Admin I want to be able to view and delete (RD) anonymized student response logs that did not contain any keywords present in the system.

### Chat Counselor Module - Student

#### CF18 - As a Student I want to answer a chat prompt after logging into the site and receive a career cluster recommendation based on parsed keywords in my response.

#### CF19 - As a Student I want my response to be logged if it does not contain any known keywords so that my Admin can improve the system.

#### CF21 - As a Student I want keywords parsed from my responses to be stored so that future recommendations take them into account.

#### CF22 - As a Student I should be able to bookmark careers I am interested in.

### Cluster Recommendation Queue - Student

#### CF20 - As a Student I want recommended career clusters to be placed in a queue so that I can remember to visit them.

### Reward System and Scoreboard Module – Student

#### CF25 – As a Student I earn 1 point each time I visit a new career and all associated content.

#### CF26 – As a Student my viewed content should be tracked in my account.

#### CF27 – As a Student I should be able to view my current point total.

#### CF28 – As a Student I can view the point total of any groups I belong to.

## Physical Requirements

## Logical Data Requirements

## User Requirements

|  |  |  |
| --- | --- | --- |
| CF01 | BASE | As an Admin I want to manage (CRUD) the career clusters ( name, icon, keyword associations) displayed on the site. |
| CF02 | BASE | As an Admin I want to manage (CRUD) the keywords (name, type: subject, interest) associated with career clusters. |
| CF03 | BASE | As an Admin I want to manage (CRUD) careers (name, salary, description) displayed on the site. |
| CF04 | BASE | As an Admin I want to manage (CRUD) Day-In-the-Life articles that are associated with careers. |
| CF05 | BASE | As an Admin I want to manage (CRUD) the celebrity profiles (name, photo, article) associated with careers. |
| CF06 | BASE | As a User I want to see a list of career clusters (name, icon) after logging into the site so that I can drill down into associated careers for each cluster. |
| CF07 | BASE | As a User after clicking on a career name I want to see base career data (name, salary, subject keywords, description) and associated DITL/ Celebrity links presented on a page. |
| CF08 | BASE | As a User after clicking on a DITL link from an associated career page I would like to see that career's DITL article presented on a page. |
| CF09 | BASE | As a User after clicking on a celebrity link from an associated career page I would like to see that career's celebrity profile (name, photo, article) presented on a page. |
| CF10 | MVP | As an Admin I would like to manage (CRUD) all user types (student, admin) from a listing of all users in the system. |
| CF11 | MVP | As an Admin I should be able to reset the password of any listed user in the system. |
| CF12 | MVP | As an Admin I want to manage (CRUD) classes (name, associated users) in the system. |
| CF13 | MVP | As an Admin I want to be able to filter listed users by class. |
| CF14 | MVP | As a User I should be able to access the site with valid credentials (username/ password or e-mail/ password) from a login page. |
| CF15 | baseChat | As a Admin I want to manage (CRUD) prompts that will be presented to students when they log into the site. |
| CF16 | baseChat | As a Admin I want to manage (CRUD) an icon/ profile picture that will be used by the site's chat counselor. |
| CF17 | baseChat | As a Admin I want to be able to view and delete (RD) anonymized student response logs that did not contain any keywords present in the system. |
| CF18 | baseChat | As a Student I want to answer a chat prompt after logging into the site and receive a career cluster recommendation based on parsed keywords in my response. |
| CF19 | baseChat | As a Student I want my response to be logged if it does not contain any known keywords so that my Admin can improve the system. |
| CF20 | enhChat | As a Student I want recommended career clusters to be placed in a queue so that I can remember to visit them. |
| CF21 | enhChat | As a Student I want keywords parsed from my responses to be stored so that future recommendations take them into account. |
| CF22 | enhChat | As a Student I should be able to bookmark careers I am interested in. |
| CF23 | rewardSys | As an Admin I can view point totals of students and classes containing students. |
| CF24 | rewardSys | As an Admin I can reset point totals of individual students and all students within a particular class. |
| CF25 | rewardSys | As a Student I earn 1 point each time I visit a new career and all associated content. |
| CF26 | rewardSys | As a Student my viewed content should be tracked in my account. |
| CF27 | rewardSys | As a Student I should be able to view my current point total. |
| CF28 | rewardSys | As a Student I can view the point total of any groups I belong to. |

## Information Management Requirements

## Systems Requirements

## Policy and Regulation Requirements

## System Life Cycle Sustainment Requirements

# System Interfaces

# Requirements Traceability

# References

# Glossary

# Revision History

# Appendices