
University of Men's Basketball Team

Assignment 3: Analysis Modeling

Version 1.0

Assignment 3	Version: 1.0
Analysis Modeling	Date: 10 March 2023
Mambuna Touray	

Revision History

Date	Version	Description	Author
10 March 2023	1.0	Assignment 3	Mambuna Touray

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1. Help Page (Use Cases 23-26)

Use Case Name: Create Help Page Article	ID: 23	Importance Level: Medium
Primary Actor: Administrator		Use Case Type: Detail, Essential
Stakeholders and Interests: Administrator- Would like to create a help page that will assist stakeholders with navigating the website Coach- Would like to view help page to find answers to questions they have Athletic Trainer- Would like to view help page to find answers to questions they have Nutritionists- Would like to view help page to find answers to questions they have Players- Would like to view help page to find answers to questions they have		
Brief Description: This use cases describe the process of an administrator creating a help page article		
Trigger: The administrator identifies a need for a new help article based on user feedback. Type: External		
Relationships: Association: Coach, Player, Nutritionist, Athletic Trainer Include: Extend: Edit Help page article, Delete Help page article Generalization: Maintenance of other contents on the website		
Normal Flow of Events: 1. Administrator navigates to Help page 2. Administrator selects "+" icon to create a new article 3. System generate a template for administrator to create a new article 4. Administrator fills template 5. Administrator designates where the article will go 6. Administrator selects publish 7. System published the Help page article on website 8. System confirms article was published		
SubFlows:		

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Alternate/Exceptional Flows:

6a. If the administrator decides not to publish the article, they can save it as a draft and come back to it later.

Use Case Name: Edit Help Page Article	ID: 24	Importance Level: High
Primary Actor: Administrator		Use Case Type: Detail, Essential
<p>Stakeholders and Interests:</p> <p>Administrator- Would like to edit help page to ensure that information is accurate Coach- Would like to view help page to find correct answers to questions they have Athletic Trainer- Would like to view help page to find correct answers to questions they have Nutritionists- Would like to view help page to find correct answers to questions they have Players- Would like to view help page to find correct answers to questions they have</p>		
<p>Brief Description: This use cases describe the process of an administrator editing a help page article</p>		
<p>Trigger: The administrator identifies a need to edit the help page article due to an error Type: External</p>		
<p>Relationships:</p> <p>Association: Coach, Player, Nutritionist, Athletic Trainer Include: Delete Help page article Extend: Generalization: Maintenance of other contents on the website, Create Help page article</p>		
<p>Normal Flow of Events:</p> <ol style="list-style-type: none"> 1. Administrator is made aware of an error in help page article 2. Administrator navigates to Help page 3. Administrator selects the "pencil" icon to be in edit mode 4. Administrator selects the article they would like to edit 5. Administrator edits help page article 6. Administrator selects "publish" 7. Administrator confirms changes 8. Administrator publishes the new help page article 9. System confirms changes were saved and published 		
<p>SubFlows:</p>		

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Alternate/Exceptional Flows:

- 6a. Administrator selects "cancel" and is redirected to the main screen
- 6b. System notifies administrator
- 7a. Administrator does not confirm changes and is revises the edit
- 7b. Administrator revises edit and confirms changes

Use Case Name: Delete Help Page Article	ID: 25	Importance Level: Medium
Primary Actor: Administrator		Use Case Type: Detail, Essential
<p>Stakeholders and Interests: Administrator: Wants to remove outdated or irrelevant help page articles to maintain a clean and helpful website. Coach: May rely on the help page articles for information and may need to be informed of any changes or updates. Athletic Trainer: May rely on the help page articles for information and may need to be informed of any changes or updates. Nutritionist: May rely on the help page articles for information and may need to be informed of any changes or updates. Player: May rely on the help page articles for information and may need to be informed of any changes or updates.</p>		
<p>Brief Description: This use case describes the process of an administrator deleting a help page article from the website.</p>		
<p>Trigger: The administrator identifies a need to delete the help page article due to it being outdated or irrelevant. Type: External</p>		
<p>Relationships: Association: Coach, Player, Nutritionist, Athletic Trainer Include: Extend: Edit Help Page Generalization: Maintenance of other contents on the website, Create Help page article</p>		
<p>Normal Flow of Events: 1.Administrator navigates to the Help page. 2.Administrator selects the delete icon on the article. 3.Administrator selects the article they would like to delete.</p>		

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4.System prompts the administrator to confirm deletion. 5.Administrator selects "confirm." 6.System deletes the help page article from the website. 7. System confirms deletion
SubFlows:
Alternate/Exceptional Flows: 4a. If the administrator selects "cancel" instead of "confirm," the article is not deleted. 5a. If the administrator does not select "confirm," the article is not deleted 6a. If the system encounters an error while deleting the article, the administrator is prompted with an error message.

Associated System Requirements & Trace Matrix:

SR024 :The help page will allow information to be uploaded

SR025:The Help Page will allow information to be deleted

SR026 : The Help Page will allow information to be edited

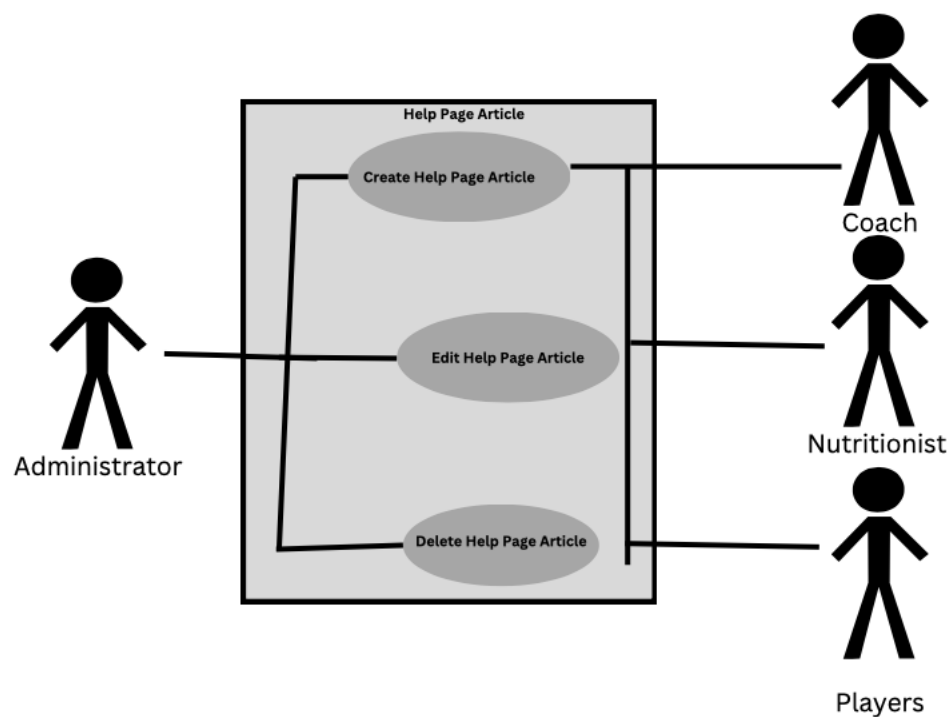
SR027 : The help page will allow for users to be redirected to a dedicated help desk team

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Use Cases	System Reuirments				
		SR024 :The help page will allow information to be uploaded			
		SR025:The Help Page will allow information to be deleted			
		SR026 : The Help Page will allow information to be edited			
		SR027 : The help page will allow for users to be redirected to a dedicated help desk team			
Create Help Page Article		X			X
Edit Help Page Article				X	
Delete Help Page Article			X		

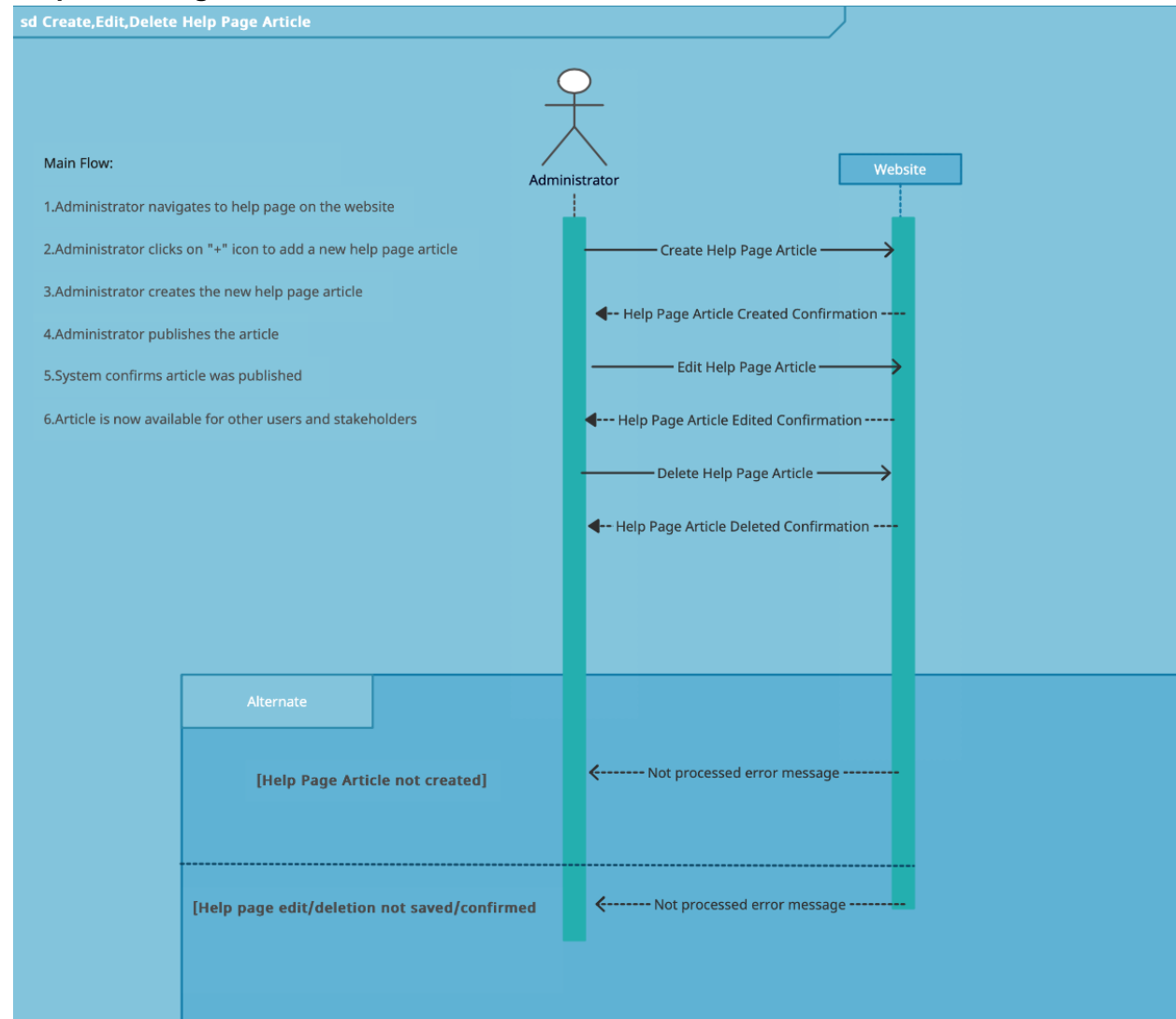
Use Case Diagram:

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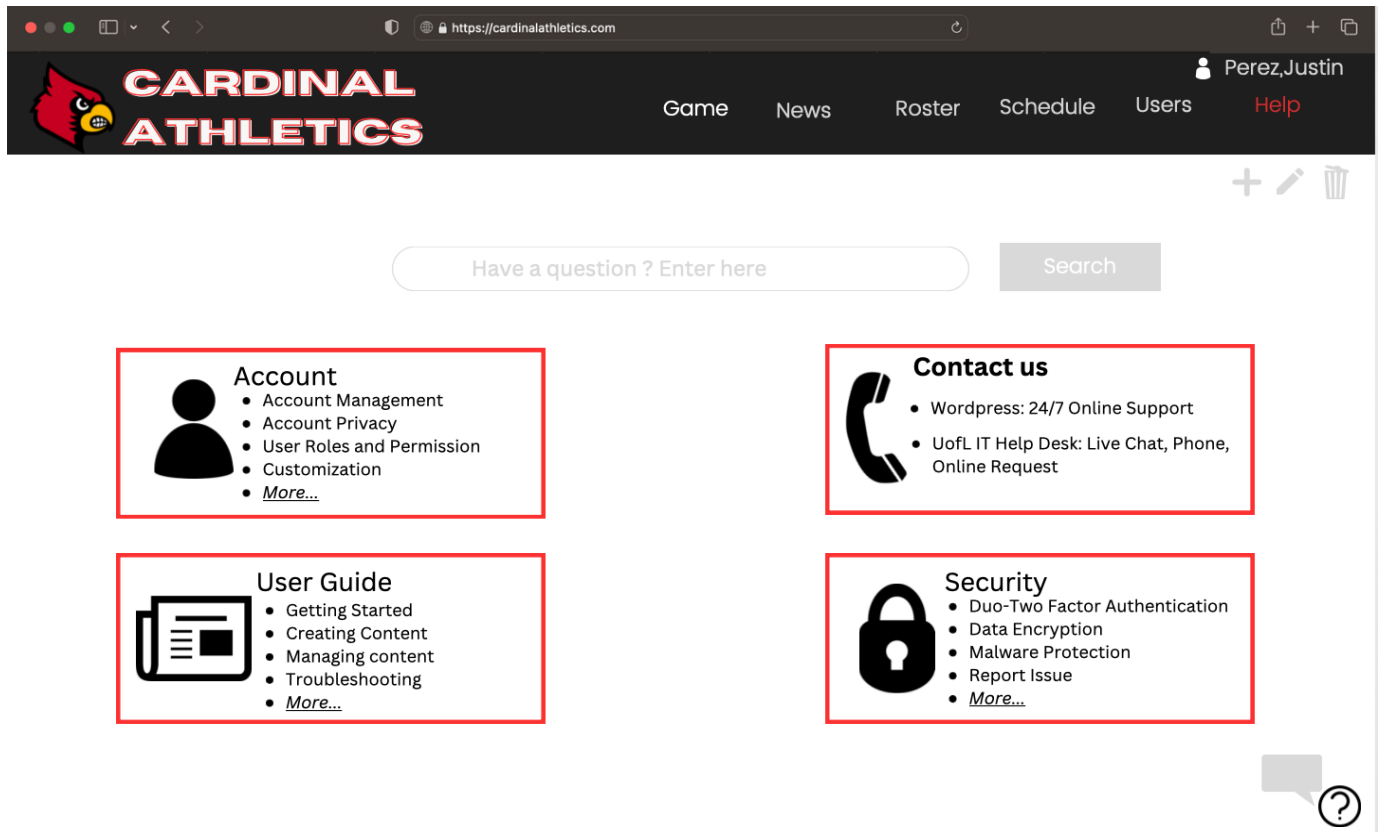
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Sequence Diagram:



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Prototype:



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Use Case Name: Speak to a help desk representative	ID: 26	Importance Level: Low
Primary Actor: Coach		Use Case Type: Detail, Essential
Stakeholders and Interests: Coach-Would like to seek help for issue they are facing Administrator- Would like to ensure coach's problem is resolved		
Brief Description: This use case describes the process of a coach contacting a help desk representative to seek assistance with a technical issue.		
Trigger: Coach encounters an issue while using the website Type: External		
Relationships: Association: Administrator Include: Extend: Generalization:		
Normal Flow of Events: <ol style="list-style-type: none"> 1. Coach navigates to the "help" tab 2. Coach selects "contact us" 3. Systems presents the coach with two support options "Wordpress support" or "UofL IT support" 4. Coach selects "UofL IT support" 5. System presents coach with three options " Make a request", "LiveChat", "Phone" 6. Coach selects "Live chat" 7. Coach is entered in Queue for available help desk representative 8. Administrator assists coach with their issue 9. Coach's issue is resolved 10. Administrator closes chat 		
SubFlows:		
Alternate/Exceptional Flows: <ol style="list-style-type: none"> 5a. Coach selects "Phone" instead of "LiveChat" . 5b.The system provides the coach with a phone number to call. 5c.The coach contacts the help desk representative via phone. 5d.Administrator assists coach with their issue 5e.Coach's issue is resolved 5f.Coach ends call 		

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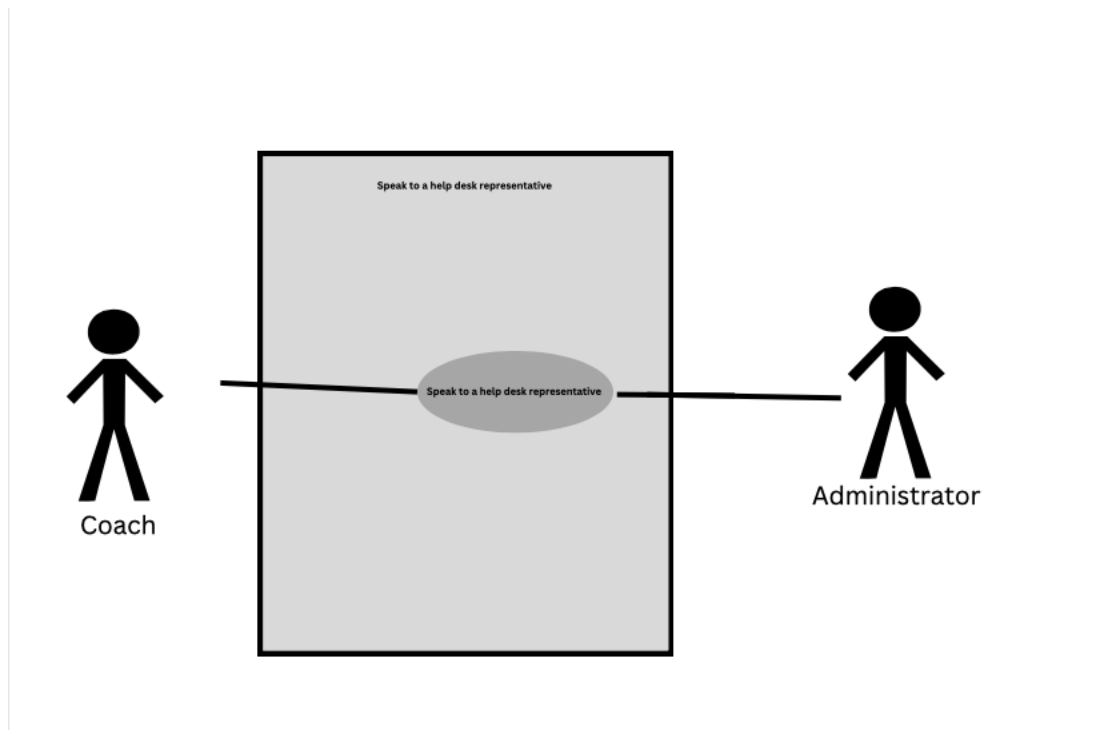
Associated System Requirements & Trace Matrix:

SR027 : The help page will allow for users to be redirected to a dedicated help desk team

Use Cases	System Reuirments	SR027 : The help page will allow for users to be redirected to a dedicated help desk team
Contact Help desk representative		X

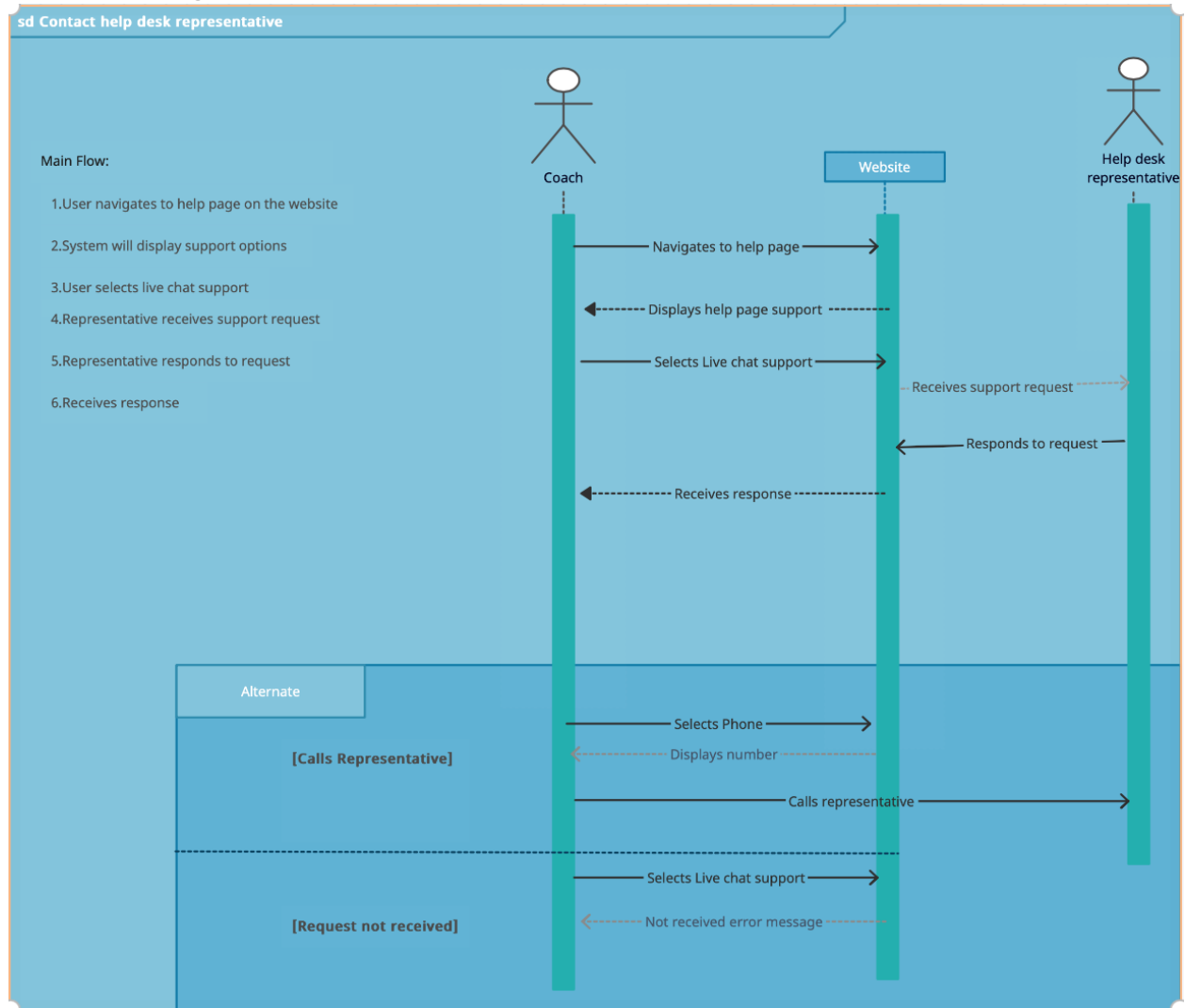
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Use Case Diagram:



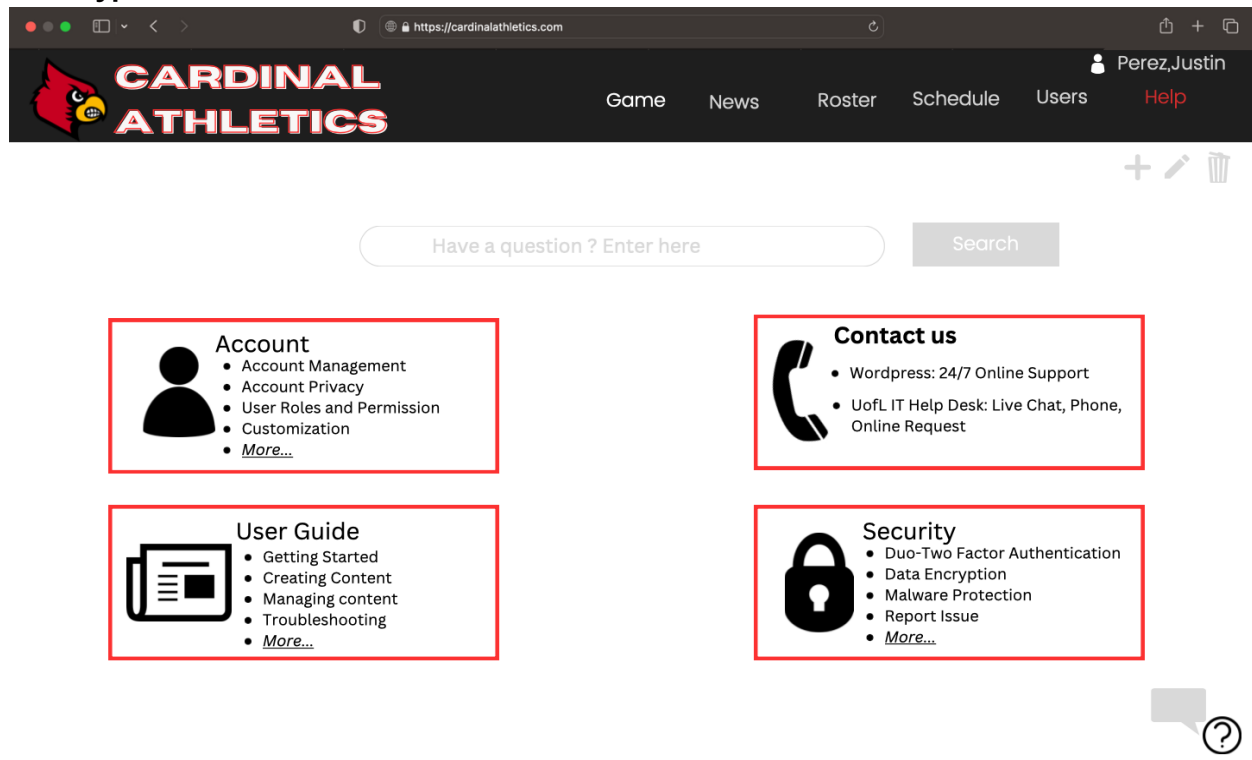
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Sequence Diagram:



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Prototype:



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2. Player Profile (Use Cases 22,29)

Use Case Name: Download Player Information	ID: 22	Importance Level: High
Primary Actor: Coach		Use Case Type: Detail, Essential
Stakeholders and Interests: Coach- Would like to download player information Athletic Trainer- Would like to view player information Players- Would like to view their own information		
Brief Description: This use cases describe the process of a coach downloading a players information and statistics		
Trigger: Coach would like to download a copy of player profile Type: External		
Relationships: Association: Coach Include: Extend: Generalization:		
Normal Flow of Events: 1. Coach navigates to Player Profile 2. Coach selects "Download profile" 3. System prompts Coach to enter a password to download 4. System prompt coach to select information to include on the download 5. System generates a PDF document containing the player's selected information 6. System displays a message confirming the successful download of the PDF		
SubFlows:		
Alternate/Exceptional Flows: 3a. Coach inputs incorrect password 3b. Message pops up notifying the coach that the password was incorrect and to try again. 3c. If 3rd attempt password is incorrect coach is logged out 6a. Coach does not receive a PDF of player information		

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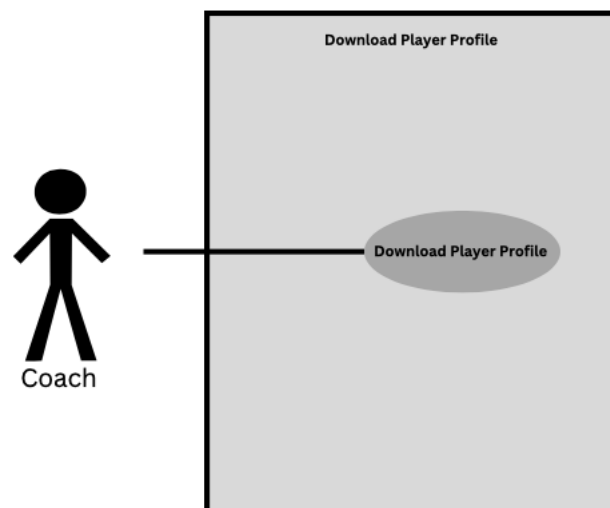
Associated System Requirements & Trace Matrix:

SR020 :The player page will allow player information to be downloaded

Use Cases Download Player Information	System Reuirments SR020 :The player page will allow player information to be downloaded	
		X

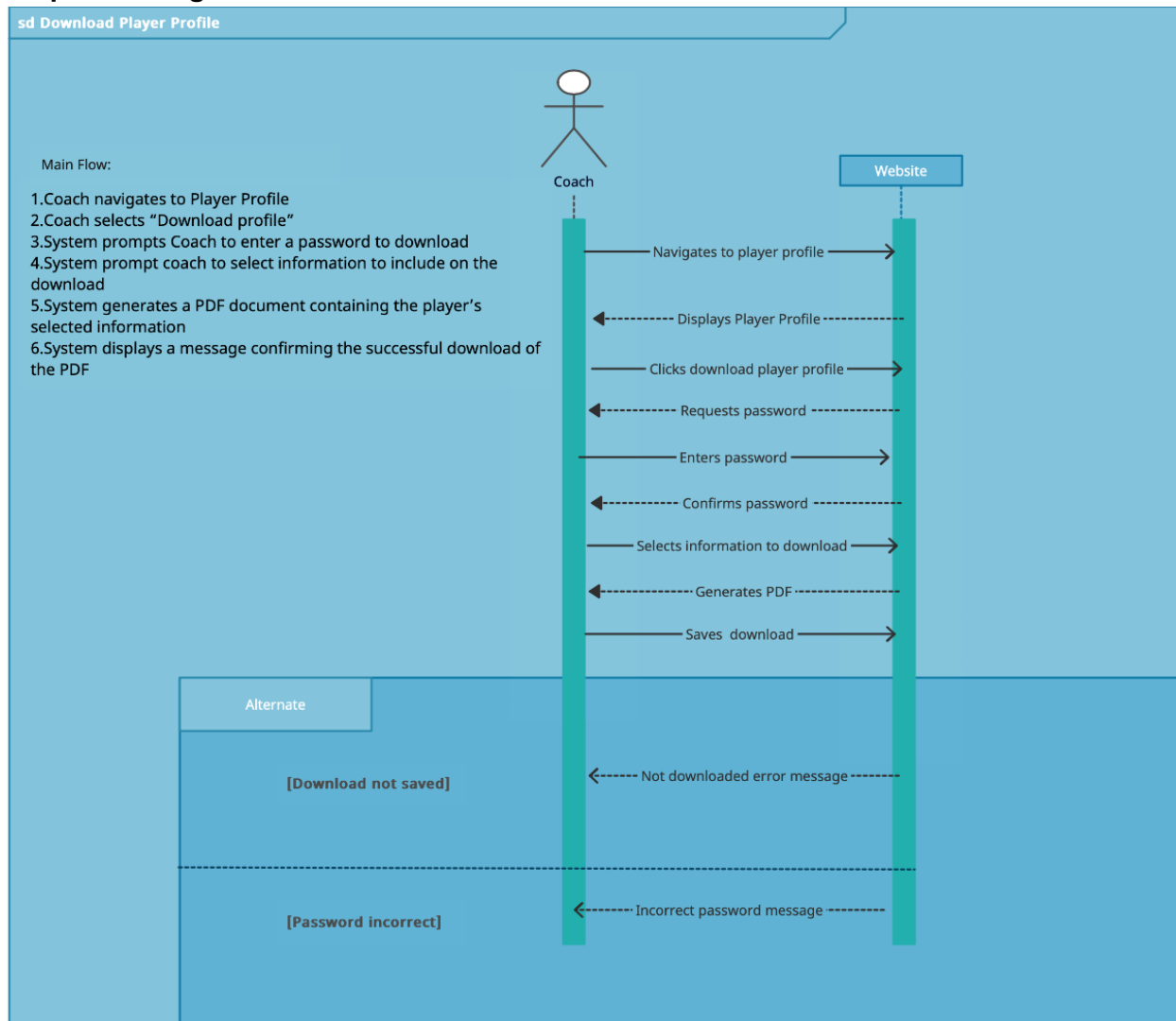
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Use Case Diagram:




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Sequence Diagram:




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Prototype:


Game News **Roster** Schedule Users Help
Perez, Justin

[Roster](#) < [2022-2023](#) < [Player Profiles](#) < [Ree, Devin](#)
Download



Devin Ree **#0** 2022-2023

Gender	Male	Position	Forward
Height	6'8	Class	Freshman
Weight	180		
Date of Birth	March 11, 2004		

Bio
Stats
Media
Health
Notes

2022-23

Season Highs

	Value	Date	Opponent
Points	5	11/29/22	Maryland
Minutes	12	11/29/22	Maryland
Field Goals Made	2	11/29/22	Maryland

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Use Case Descriptions:

Use Case Name: Nutritionist Has New Player Diet Recommendation	ID: 29	Importance Level: High
Primary Actor: Nutritionist		Use Case Type: Detail, Essential
Stakeholders and Interests: Nutritionists – Wants to add new data to player profile. Coach- Would like to view player diet recommendation Player-Would like to view diet recommendation Website - Tool used to collect nutritionists’ new data		
Brief Description: This use case describes how a nutritionist would add a new diet recommendation to a player profile		
Trigger: Nutritionist reviews player data and has a new diet recommendation. Type: External		
Relationships: Association: Nutritionist Include: Extend: Generalization:		
Normal Flow of Events: 1. The nutritionists navigate to the player profile page on the website. 2. The nutritionists clicks “note” 3. The nutritionist clicks the “+” icon to post new note. 4. The nutritionist enters subject and diet recommendation 5. The nutritionists clicks post 6.The system confirms notes has been posted. 7.Coaches and players can now view post.		
SubFlows:		
Alternate/Exceptional Flows: 5a. The nutritionist clicks discard 5b. The note is deleted 6a. The system displays an error message. 6b.The nutritionist attempts to post the note again. 6c. The note is posted		

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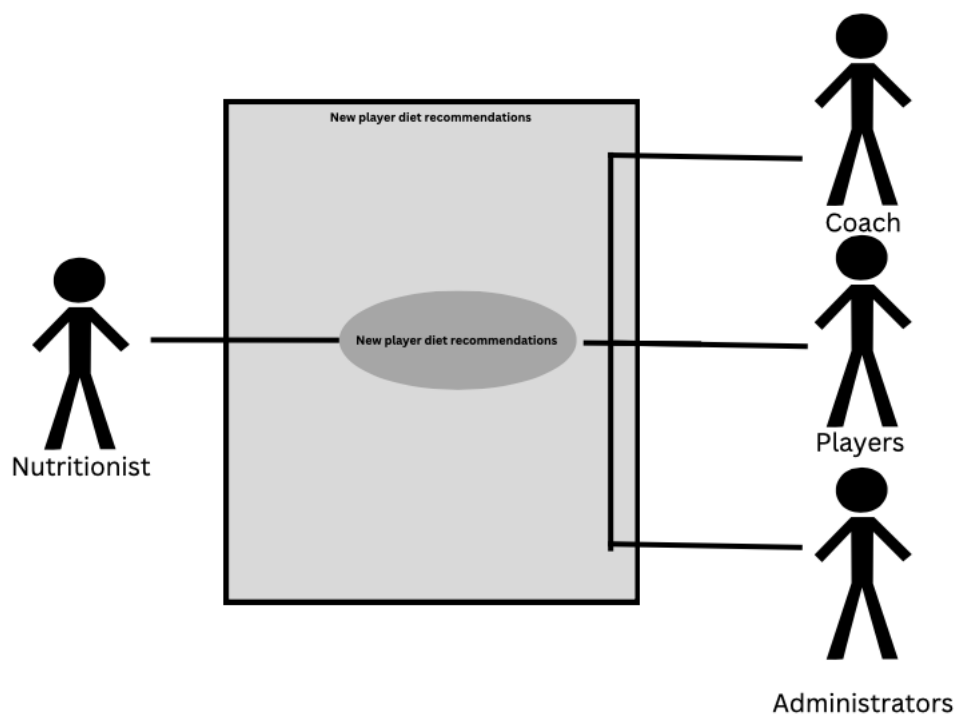
Associated System Requirements & Trace Matrix:

ID: SR018 - The player page will allow player information to be edited

Use Cases	System Reuirments	ID: SR018 - The player page will allow player information to be edited
Nutritionist has new player diet recommendation		X

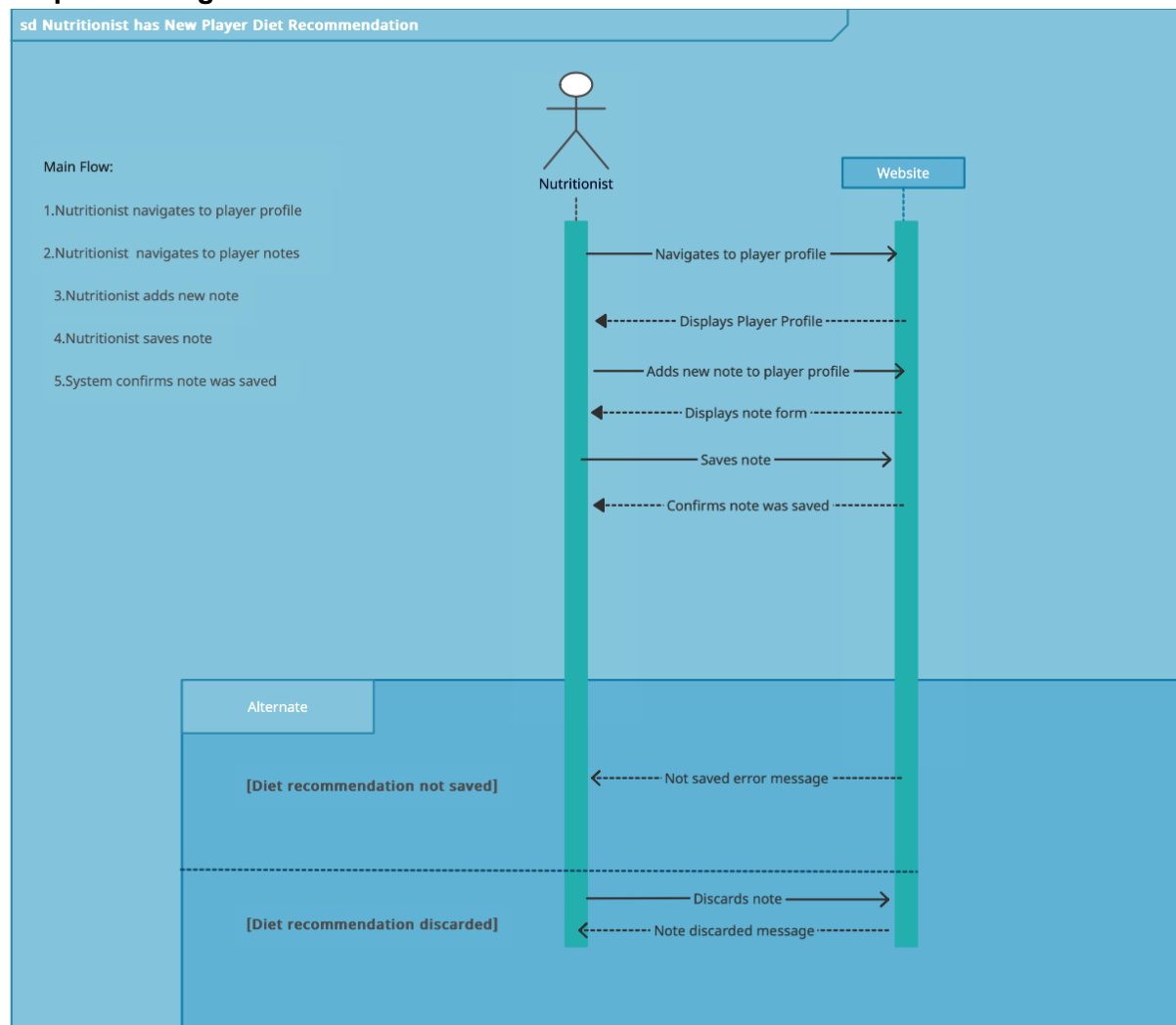
Use Case Diagram:

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Sequence Diagram:



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Prototype:

The screenshot shows a web browser window with the URL <https://cardinalathletics.com>. The header features the Cardinal Athletics logo and navigation links: Game, News, Roster, Schedule, Users, and Help. A user profile icon labeled 'Nutritionist' is in the top right.

Breadcrumbs: [Roster](#) < [2022-2023](#) < [Player Profiles](#) < [Ree, Devin](#)

Buttons: Download, Download icon

Devin Ree #0 2022-2023 ▼

Gender	Male	Position	Forward
Height	6'8	Class	Freshman
Weight	180		
Date of Birth	March 11, 2004		

Navigation tabs: Bio, Stats, Media, Health, Notes

Form fields: Subject, Note

Buttons: Discard, Post, ?

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3. Email (Use Cases 27)

Use Case Name: Send Email Newsletter	ID: 27	Importance Level: High
Primary Actor: Administrator		Use Case Type: Detail, Essential
Stakeholders and Interests: Administrator- Would like to send one email to all stakeholders Coaches- Would like to stay up to date with news from administrator Athletic Trainer- Would like to stay up to date with news from administrator Players- Would like to stay up to date with news from administrator Nutritionists- Would like to stay up to date with news from administrator		
Brief Description: This use cases describe the process of an administrator sending a newsletter to all distribution list subscribers.		
Trigger: Shopper navigates to the store page on the website. Type: External		
Relationships: Association: Coach, Athletic trainers, players, nutritionists Include: Extend: Generalization:		
Normal Flow of Events: 1.Administrator navigates to "User" tab 2.Administrator selects "send email" 3.Administrator selects "send to all users" 4.Administrator types email 5.Administrator presses "send" button 6.Email is sent to all users 7.Administrator receives a confirmation email		
SubFlows:		
Alternate/Exceptional Flows: 6a. Email is not sent 6b. Administrator does not receive a confirmation email		

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6c.Administrator reviews email 6d.Administrator presses “send” button 6e.Email is sent 6f.Administrator receives confirmation email
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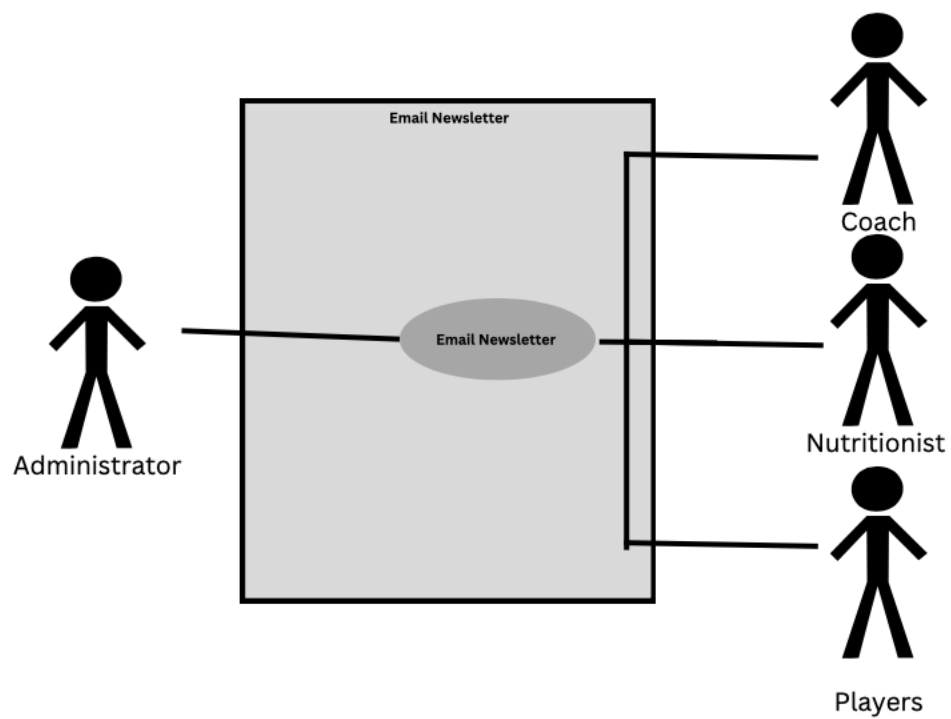
Associated System Requirements & Trace Matrix:

SR043 :Admins and other authorized users will be able to send email newsletter

Use Cases	System Reuirments	SR043 : Admins and other authorized users will be able to send out an email newsletter
Send email newsletter		X

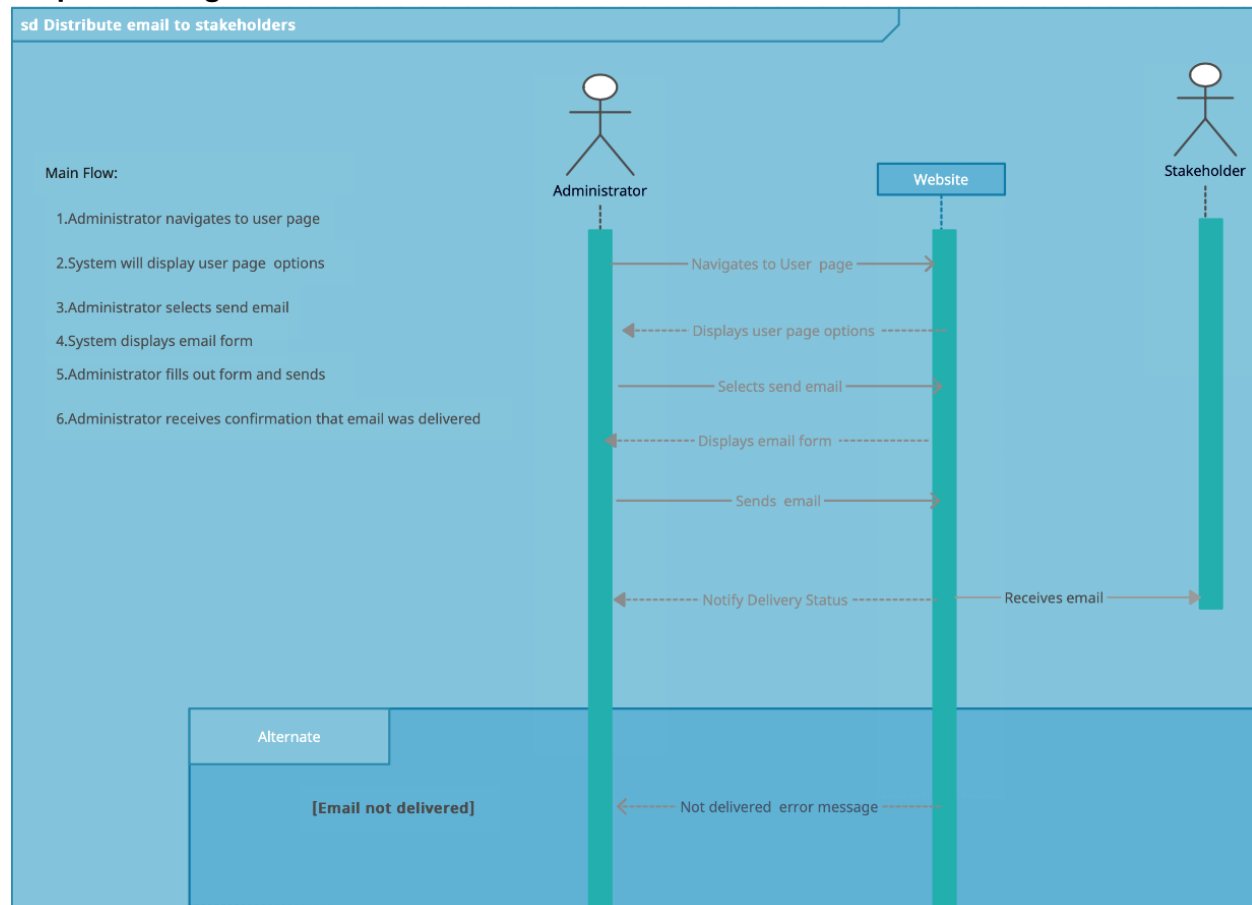
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Use Case Diagram:



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Sequence Diagram:



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Prototype:

Send Email

To: From:

Subject:

Message:

Rich Text Editor:

B I U Paragraph Arial 10pt

 [List Icons] [Link Icon] [Image Icon] [Table Icon] [Fullscreen Icon]

 [Source Code Icon] [Preview Icon] [Help Icon]

Discard Save Draft Send

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4. Class Diagram

The class diagram is a model that shows the entities involved in a process as well as the entities attributes and operations. The relationships, or associations, between the entities are also shown.

