<u>System Requirements</u>

Functional Requirements:

<u>Home Page Requirements:</u>

ID: SR01 - The homepage will only be accessible via log-in

ID: SR02 - The homepage will prominently display the team logo and colors

ID: SR03 - The homepage will display upcoming games, feature contents

ID: SR04 - The homepage will display recent game results and statistics

ID: SR05 - The homepage will display the current team rankings and standings

ID: SR06 - The homepage will provide quick access to the latest team updates and stats

ID: SR07 - The homepage will allow users to search for games, players, or other information

ID: SR08 - The homepage will be able to be edited to display different/more information

<u>Roster page Requirements:</u>

ID: SR09 - The roster page will display the current roster of the basketball team

ID: SR10 - The roster page will allow users to add current roster

ID: SR11 - The roster page will allow users to edit current roster

ID: SR12 - The roster page will allow users to delete current roster

ID: SR13 - The roster page will allow users to filter the roster by name

ID: SR14 - The roster page will allow users to filter the roster by position

ID: SR15 - The roster page will display player biographical information

ID: SR16 - The roster page will allow users search for specific players

Schedule page Requirements:

ID: SR17 - The schedule page will be allowed to be created.

ID: SR18 - The schedule page will be allowed to be edited.

ID: SR19 - The schedule page will be allowed to be deleted.

ID: SR20 - The Outlook calendar will be embedded.

ID: SR21 - The embedded Outlook calendar will be allowed to be edited.

ID: SR22 - The embedded Outlook calendar will be allowed to be deleted.

Statistics page Requirements:

ID: SR23 - The statistics page will display team and player statistics

ID: SR24 - The statistics page will allow staff members to view data

ID: SR25 - The statistics page will allow staff members to enter data

ID: SR26 - The statistics page will allow administrators to edit data

ID: SR27 - The statistics page will allow users to filter the statistics by game

ID: SR28 - The statistics page will display graphs and charts to visualize statistics

ID: SR29 - The statistics page will allow users to download statistics as a PDF

Contact page Requirements:

ID: SR30 - The contact page will display coaches and staffs contact information

ID: SR31 - The contact page will allow coaches and staffs contact information can be edited

ID: SR32 - The contact page will allow users to submit general inquiry form

ID: SR33 - The contact page will provide directions to basketball facility

ID: SR34 - The contact page will display FAQs

ID: SR35 - The contact page will allow administrators to edit FAQs

Game Recap page Requirements:

ID: SR36 - The game recap page will display results and highlights of recent games

ID: SR37 - The game recap page will allow users to watch videos of game highlights

Guidelines page Requirements:

ID: SR38 - The guidelines page will display how user data is collected, used, and protected

ID: SR39 - The guidelines page will describe the terms and conditions of use

ID: SR40 - The guidelines page will allow users to request to delete data

Non-Functional Requirements:

Performance Requirements:

ID: SR41 - The website will load quickly

ID: SR42 - The website will respond to users request quickly

ID: SR43 - The website will handle a large number of users without crashing

ID: SR44 - The website will optimize for any devices and internet speeds

ID: SR45 - The website will update games information in real time

Security Requirements:

ID: SR46 - The website will be protected against cyber attacks

ID: SR47 - The website will use encryption protocols

ID: SR48 - The website will adhere to medical data protection laws

ID SR49 - The website will track edits to the site/data

Accessibility Requirements:

ID: SR50 - The website will be accessible to users with disabilities(ADA Compliant)

ID: SR51 - The website will provide options to change font size

Reliability Requirements:

ID: SR52 - The website will be available to user 24/7

ID: SR53 - The website will have backups of all important documents and information

Usability Requirements:

ID: SR54 - The website will be easy to use

ID: SR55 - The website will provide clear instructions for using features

ID: SR56 - The website will provide confirmation for users actions

Scalability Requirements:

ID: SR57 - The website will be able to handle a large amount of data

ID: SR58 - The website will allow for any updates or improvements in the future

ID: SR59 - The website will be able to change size based on users demand or server capacity.

Use Case Diagrams

Use Case 1 Diagram:
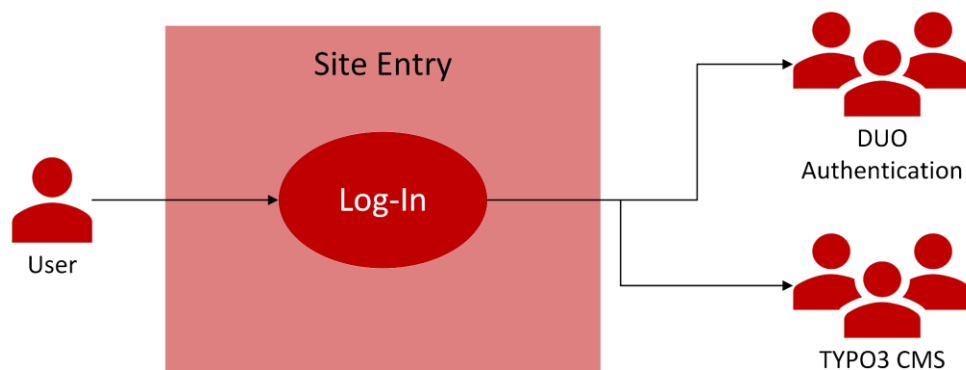
Narrative: Users will log in via dual-factor authentication to access the website.

Use Case 2 Diagram:
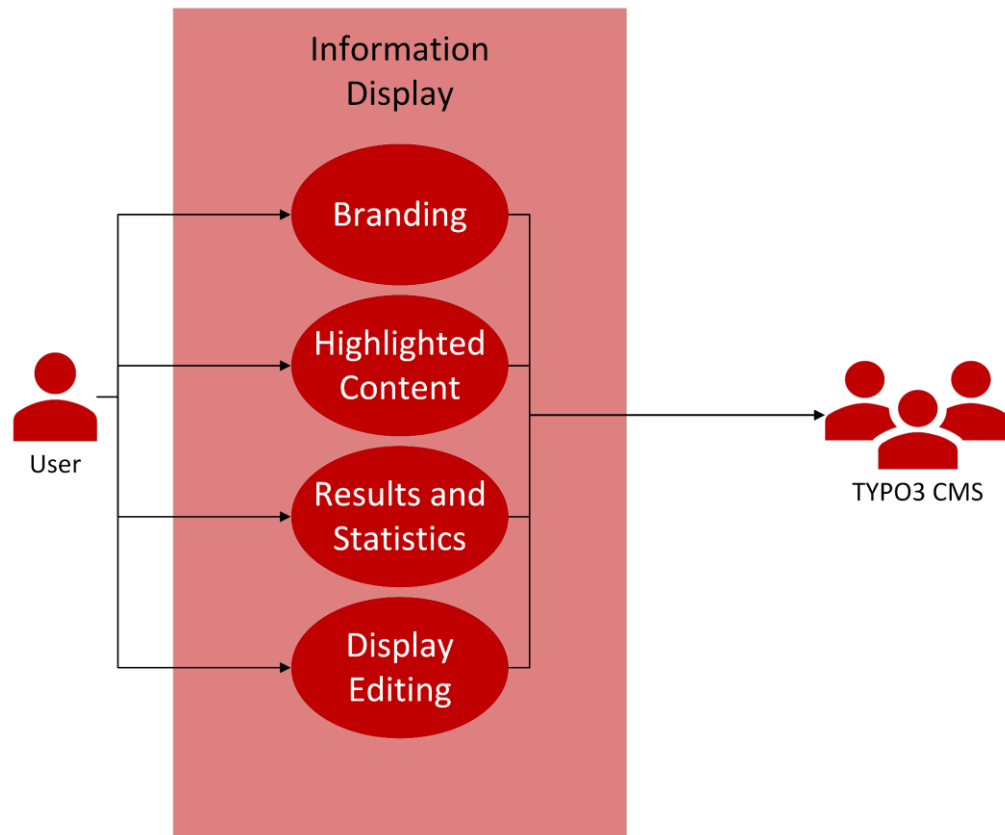
Narrative: The site will have an automatically applied theme that ensures brand compliance.

Use Case 3 Diagram:
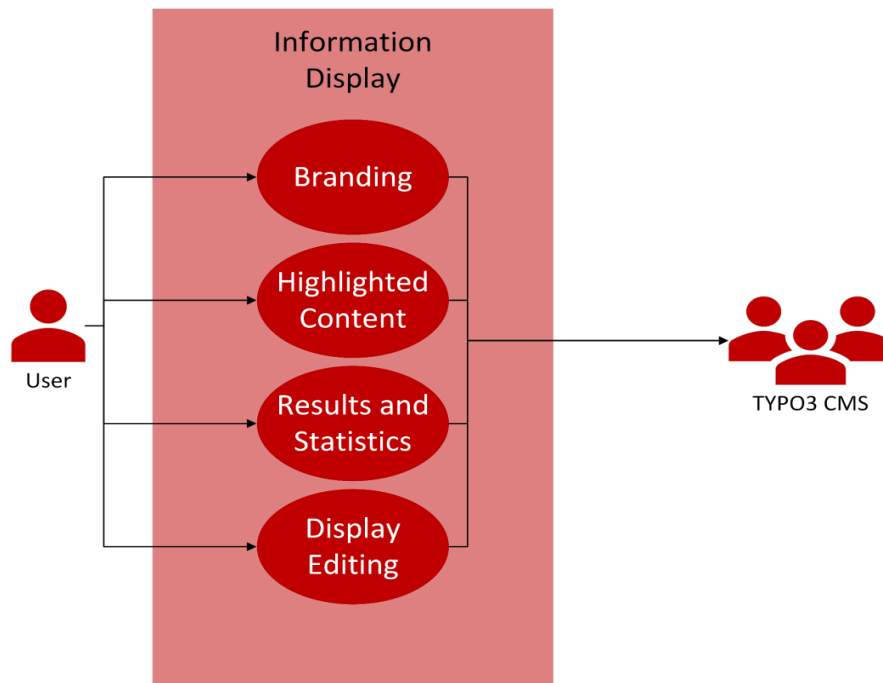
Narrative: The site will display specified highlighted content

Use Case 4 Diagram:
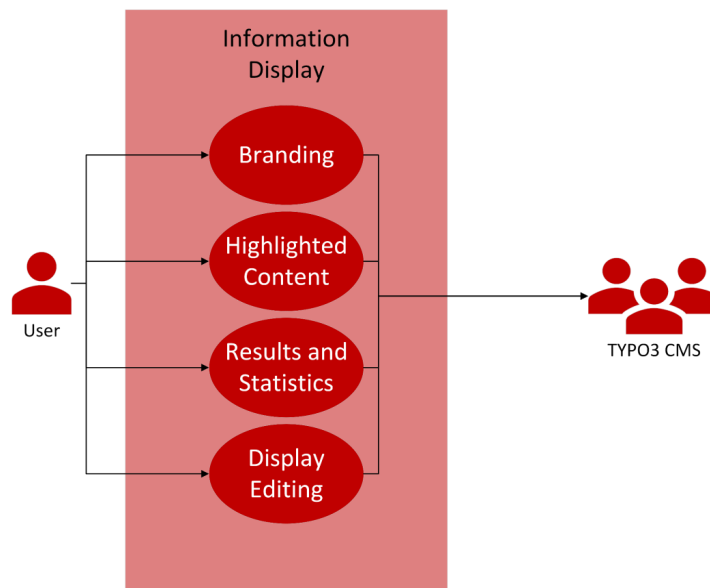
Narrative: The site will display game results/statistics

Use Case 5 Diagram:
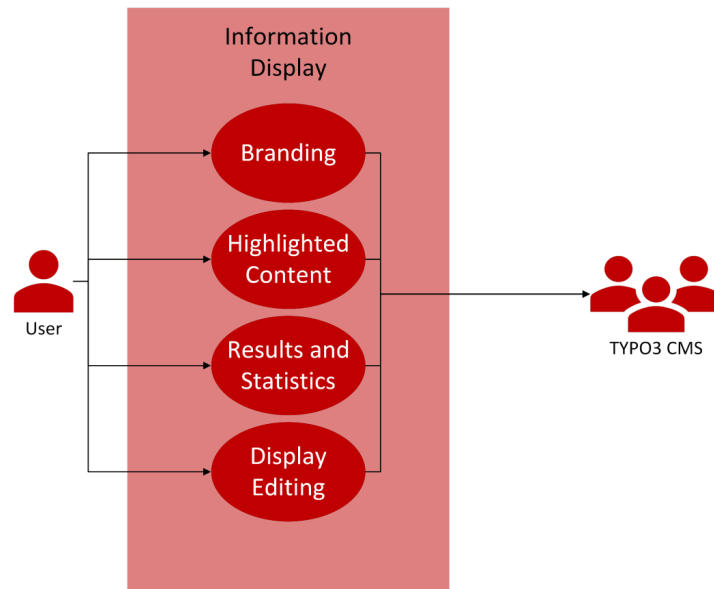
Narrative: The site will display rankings and standings

Use Case 6 Diagram:
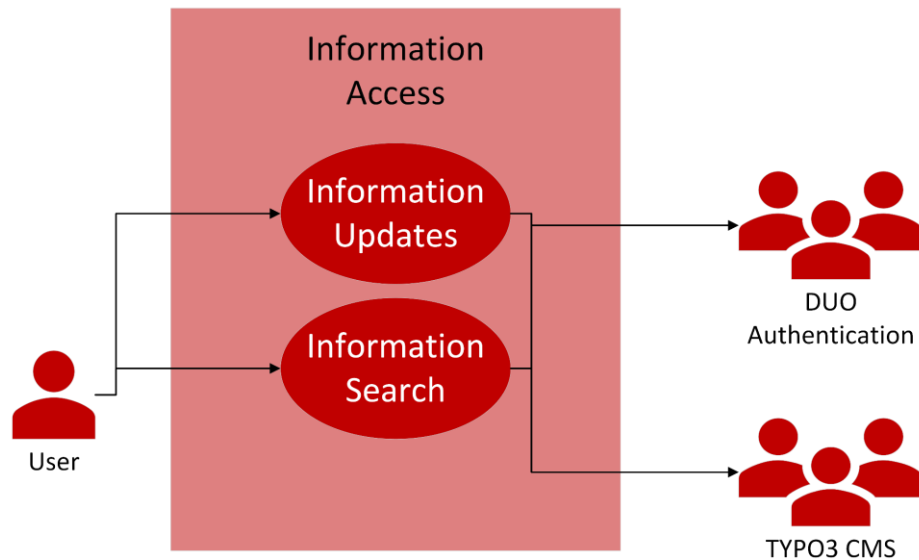
Narrative: The site will allow users to easily access the statistics portion of the site via homepage navigation and the information search portlet.

Use Case 7 Diagram:
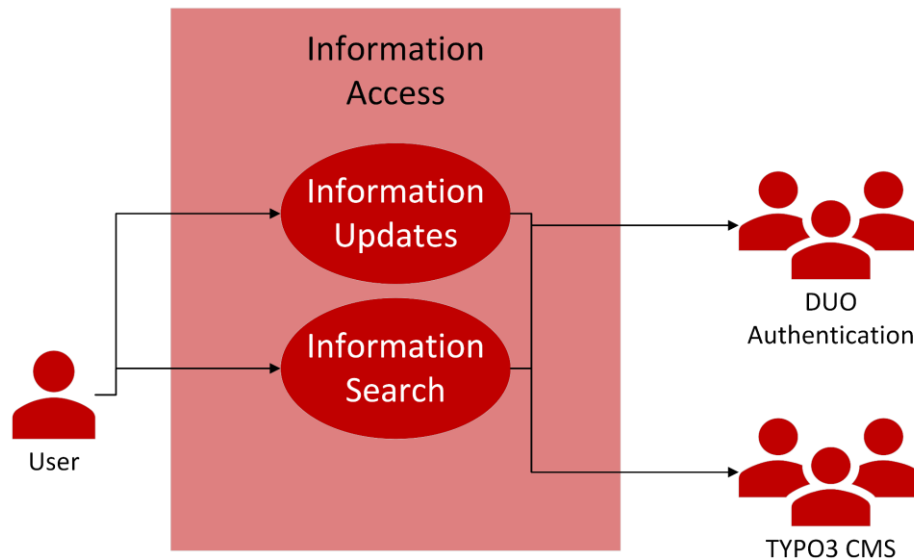
Narrative: The site will allow users to easily access the statistics portion of the site via homepage navigation and the information search portlet.

Use Case 8 Diagram:
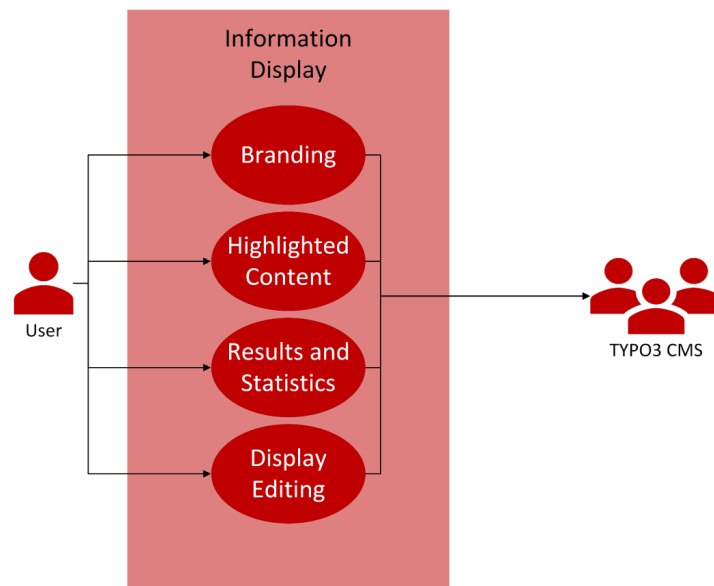
Narrative: The site will allow authorized users to edit the displayed content.

Use Case 9 Diagram:
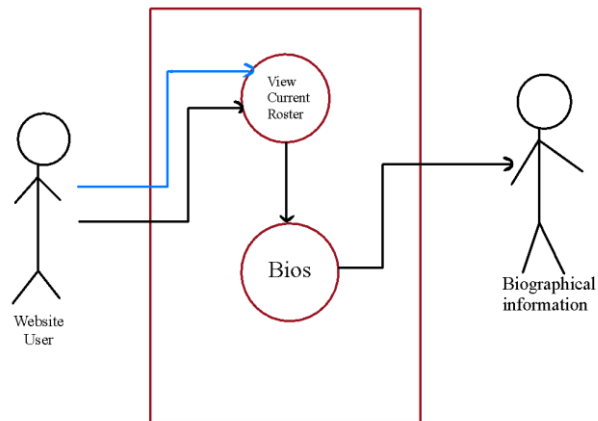
Narrative: The roster page will allow the user to see the current roster

Use Case 10 Diagram:
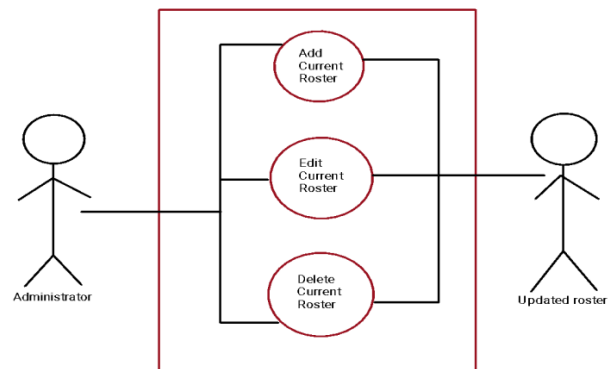
Narrative: The roster page will allow users to add current roster

Use Case 11 Diagram:
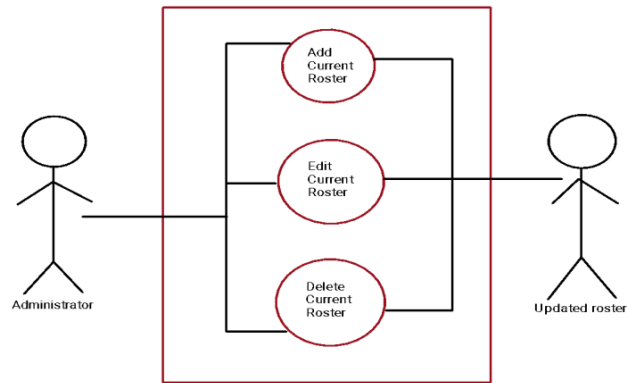
Narrative: The roster page will allow users to edit delete current roster

Use Case 12 Diagram:
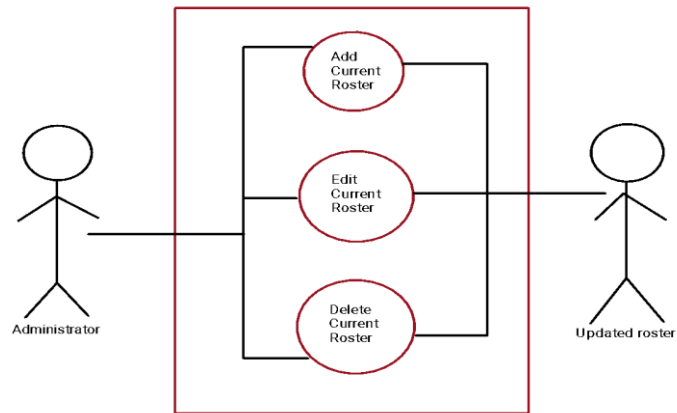
Narrative: The roster page will allow users to delete current roster

Use Case 13 Diagram:
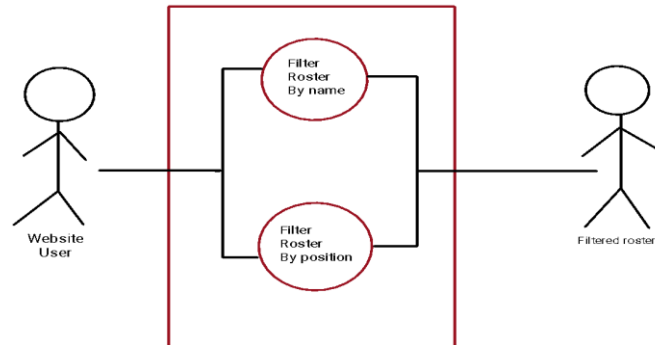
Narrative: The roster page will allow the user to filter the roster by name

Use Case 14 Diagram:
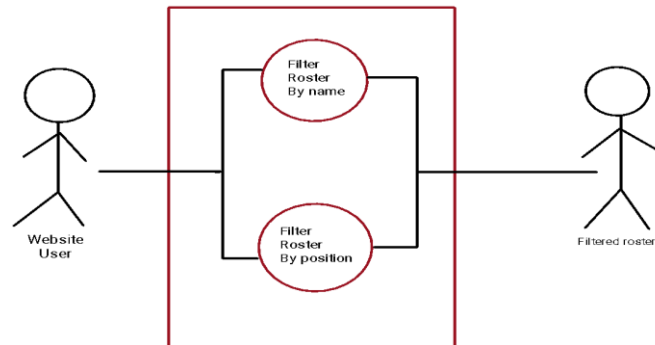
Narrative: The roster page will allow the user to filter the roster by position

Use Case 15 Diagram:
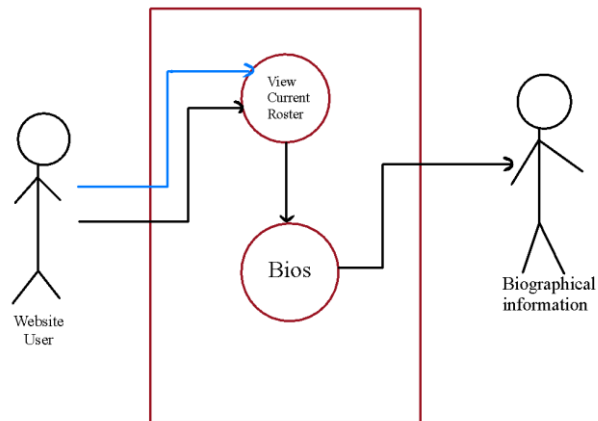
Narrative: The roster page will allow the user to see player statistics and biographical information

Use Case 16 Diagram:
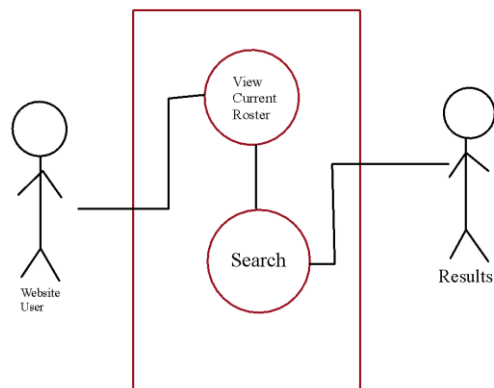
Narrative: The roster page will allow users search for specific players

Use Case 17 Diagram:
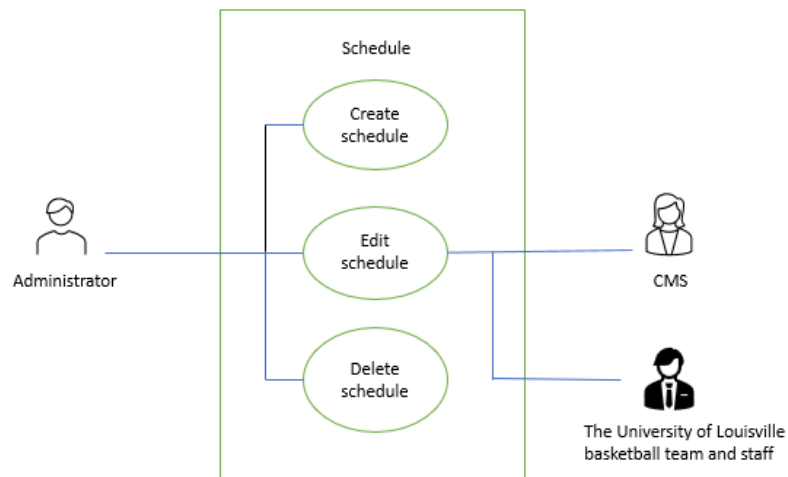
Narrative: Administrators are allowed to create schedules.

Use Case 18 Diagram:
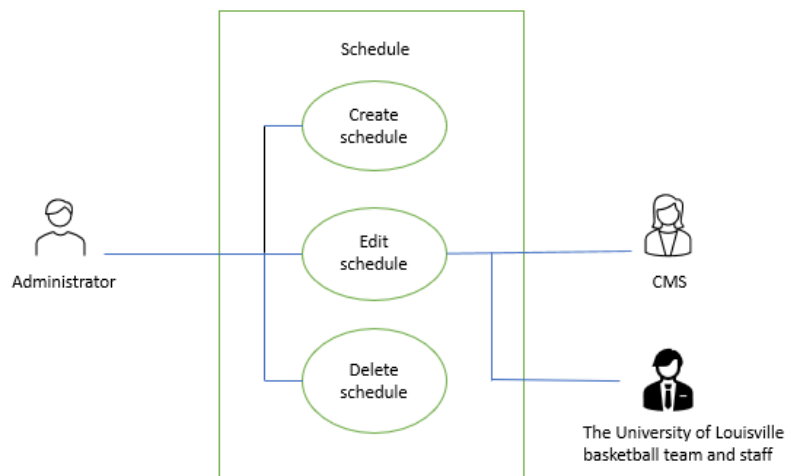
Narrative: Administrators are allowed to edit schedules.
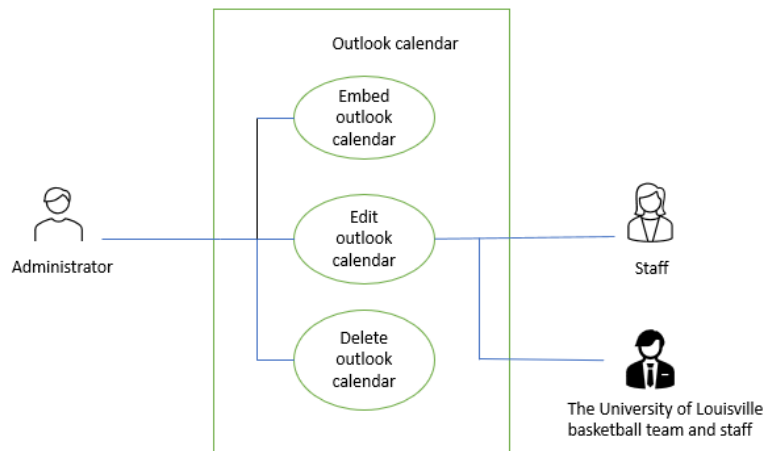
Use Case 19 Diagram:
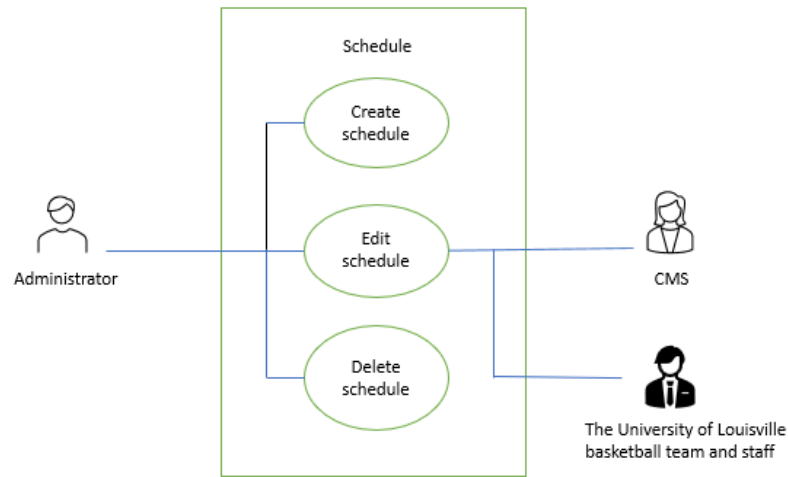
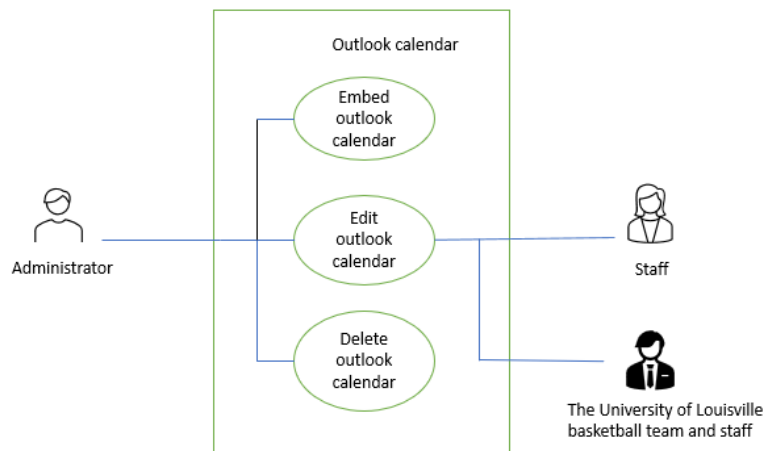**Narrative:** Administrators are allowed to delete schedules.

Use Case 20 Diagram:
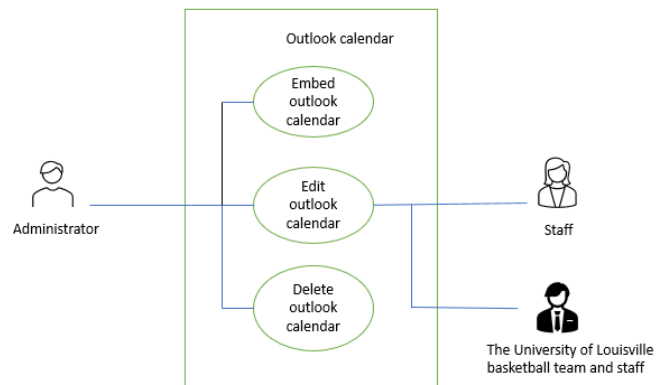
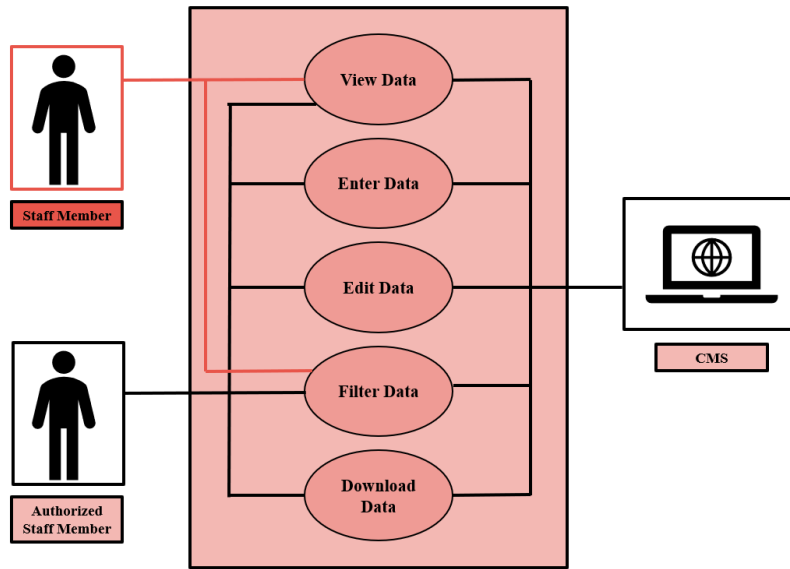**Narrative:** Administrators can embed Outlook calendars.

Use Case 21 Diagram:

Narrative: Administrators can edit Outlook calendars.
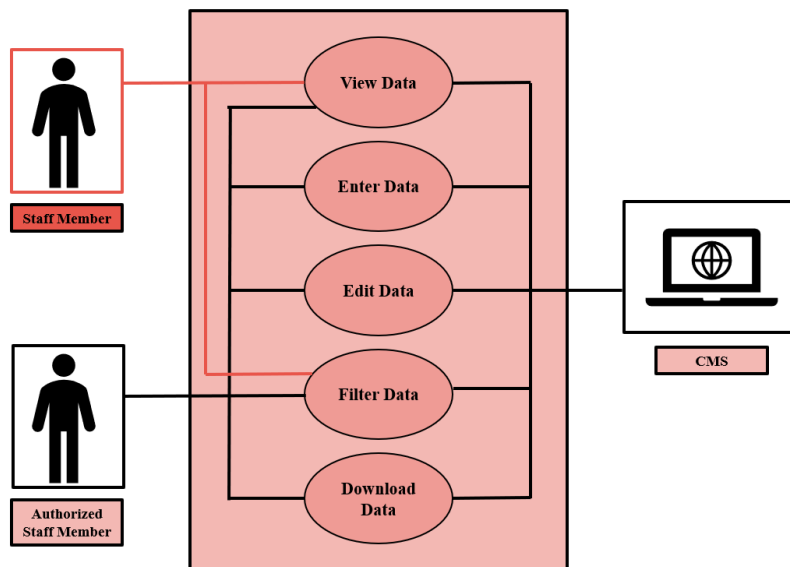
Use Case 22 Diagram:

Narrative: Administrators can edit Outlook calendars.
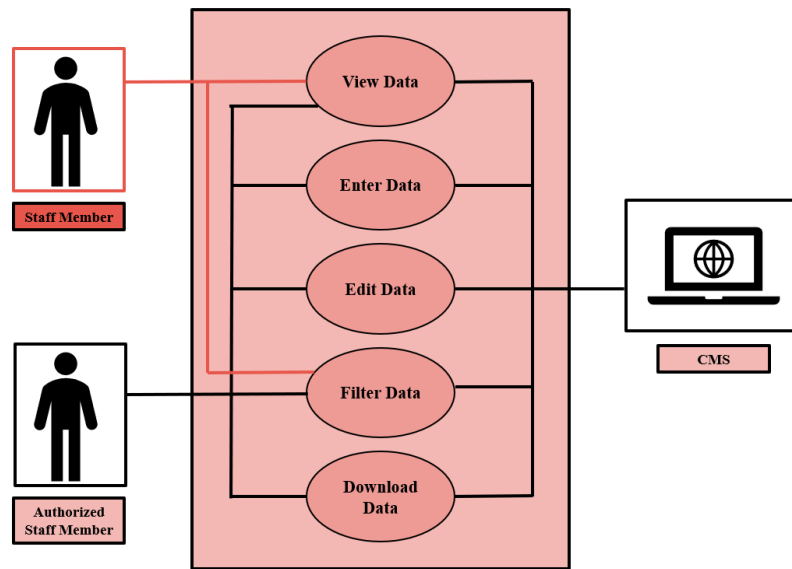
Use Case 23 Diagram:

Narrative: Normal Staff Members will only be able to View and Filter Data.
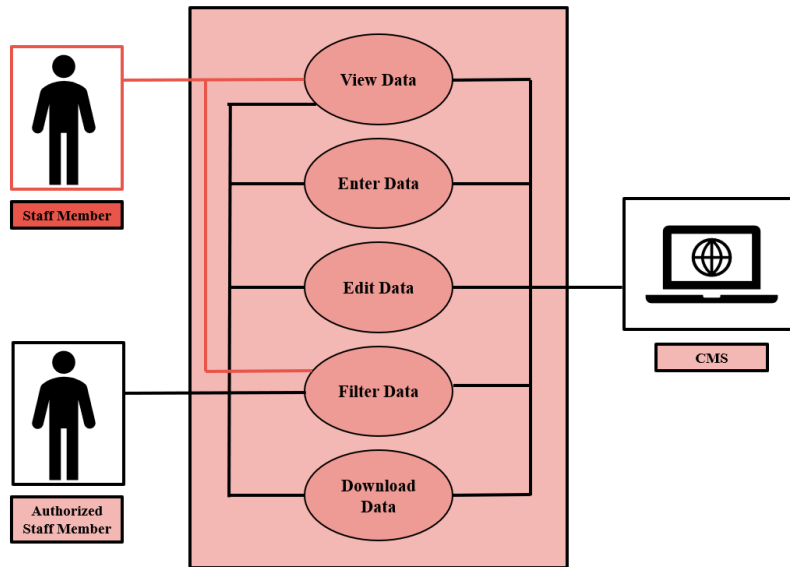
Use Case 24 Diagram:

Narrative: In the statistics page, Authorized Staff Members will be allowed to perform all the tasks while normal Staff Members will only be able to View and Filter Data.
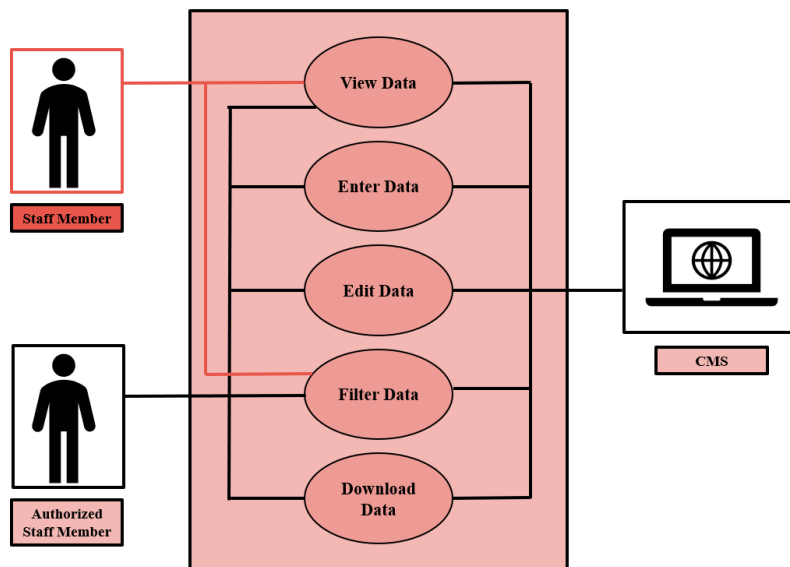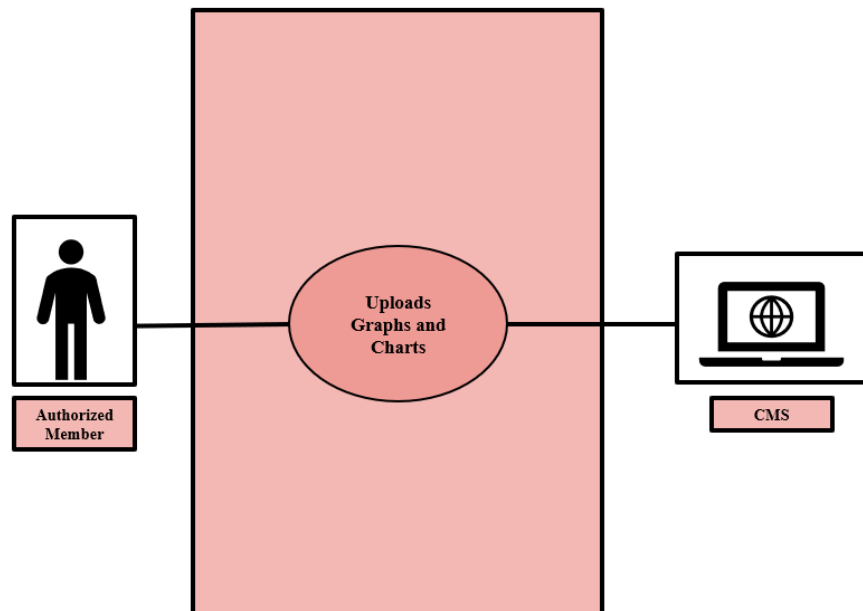
Use Case 25 Diagram:

Narrative: In the statistics page, Authorized Staff Members will be allowed to perform all the tasks while normal Staff Member will only be able to View and Filter Data.

Use Case 26 Diagram:
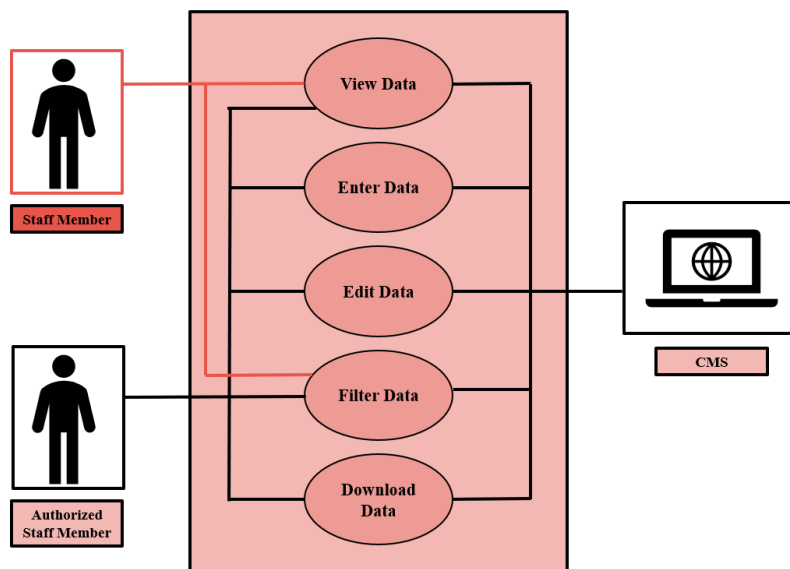

Narrative: In the statistics page, Authorized Staff Members will be allowed to perform all the tasks while normal Staff Members will only be able to View and Filter Data.

Use Case 27 Diagram:

Narrative: In the statistics page, Authorized Staff Members will be allowed to perform all the tasks while normal Staff Members will only be able to View and Filter Data.

Use Case 28 Diagram:

Narrative: After an Authorized Staff Members uploads graphs and charts, the statistics page will display graphs and charts to visualize statistics.
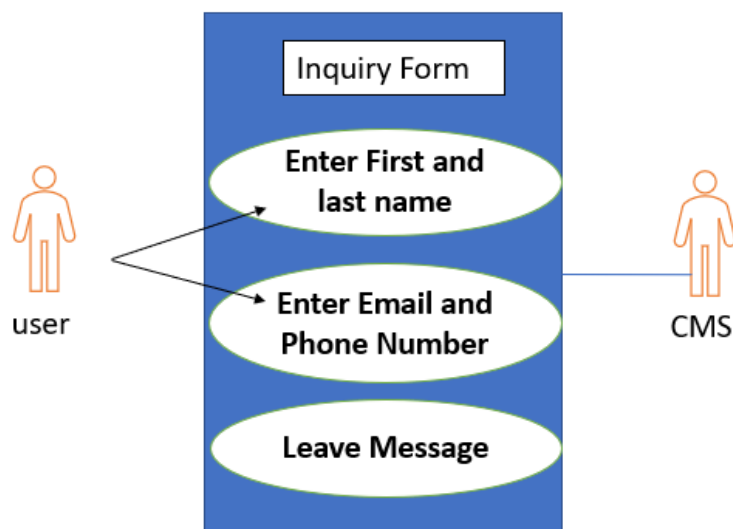
Use Case 29 Diagram:

Narrative: In the statistics page, Authorized Staff Members will be allowed to perform all the tasks while normal Staff Members will only be able to View and Filter Data.

Use Case 30: View Staff contact information,   **31:** Edit contact information,   **33:** Directions to basketball facility
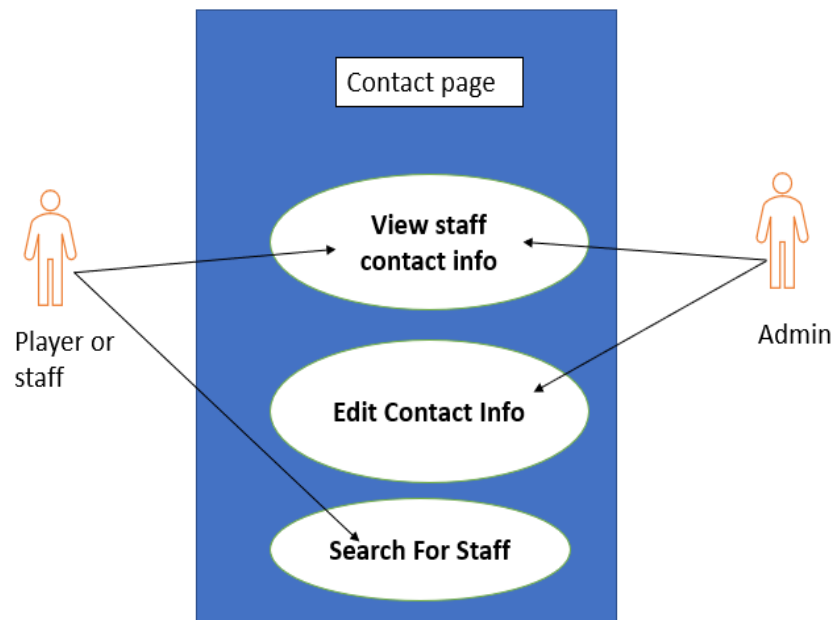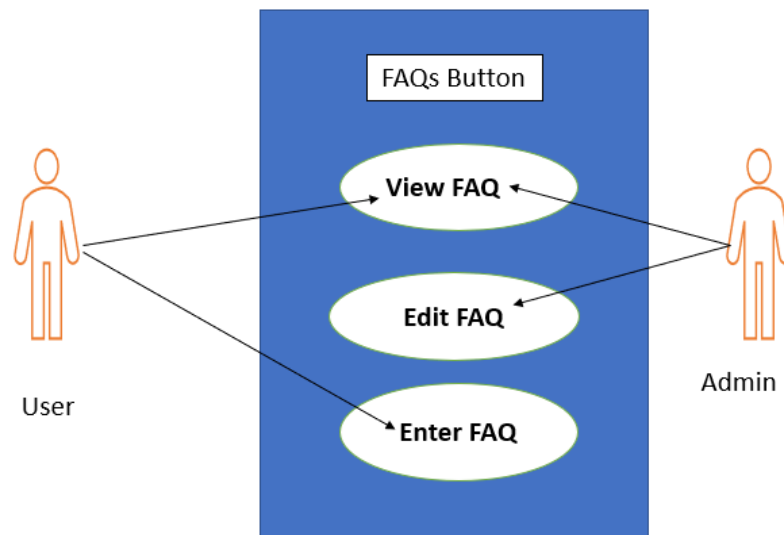

Narrative: Players and staff can view contact information and directions to the Basketball facility. Admin can edit and view staff contact information.

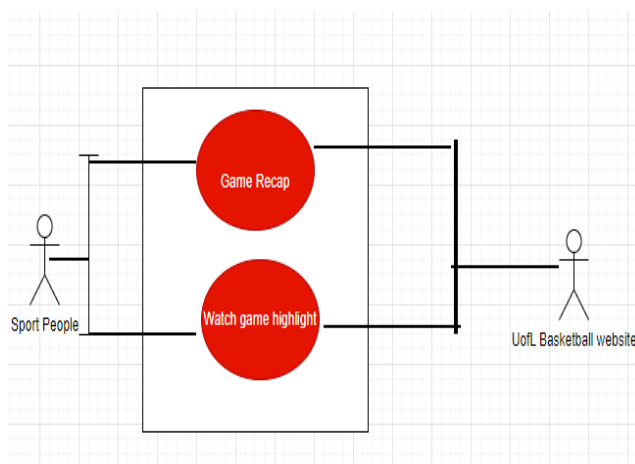**Use Case 32:** Submit general inquiry form

Narrative: player will submit inquiry and cms will send it to staff.

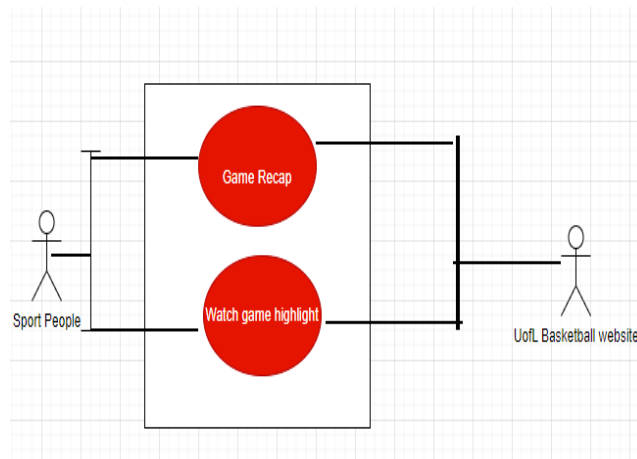**Use Case 34:** Display FAQs, **35:** Edit FAQs

Narrative: User will view, enter faq and admin will edit faqs.
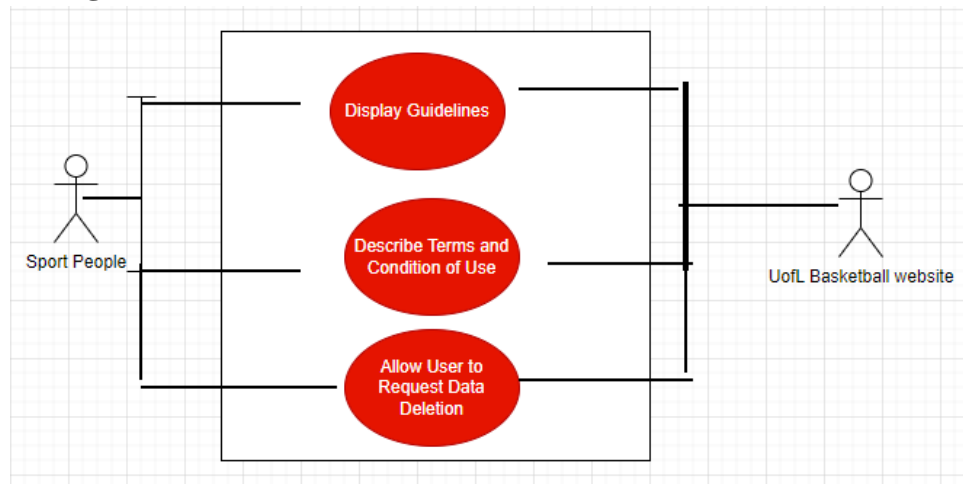
Use Case 36 Diagram:

Narrative: This website is able to create game recap will display results and highlights of recent games, allow users to watch videos of game highlights

Use Case 37 Diagram:
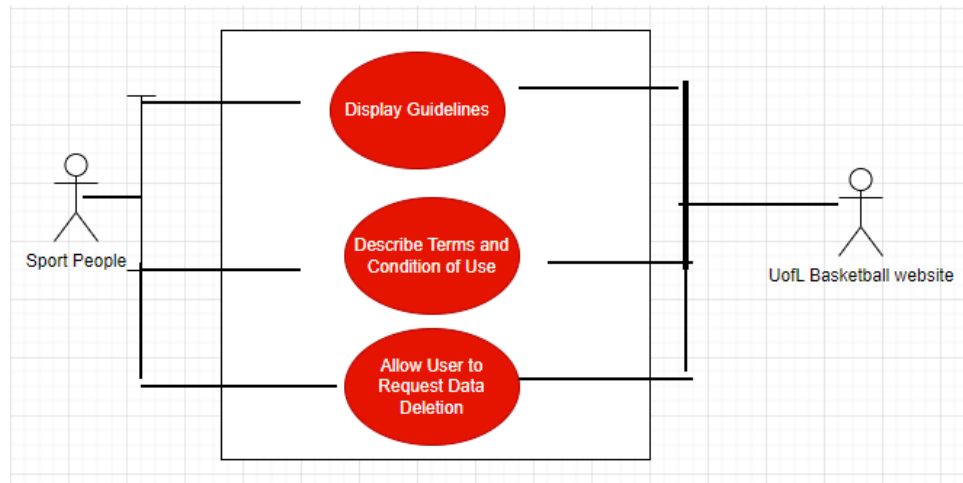

Narrative: This website is able to create game recap will display results and highlights of recent games, allow users to watch videos of game highlights
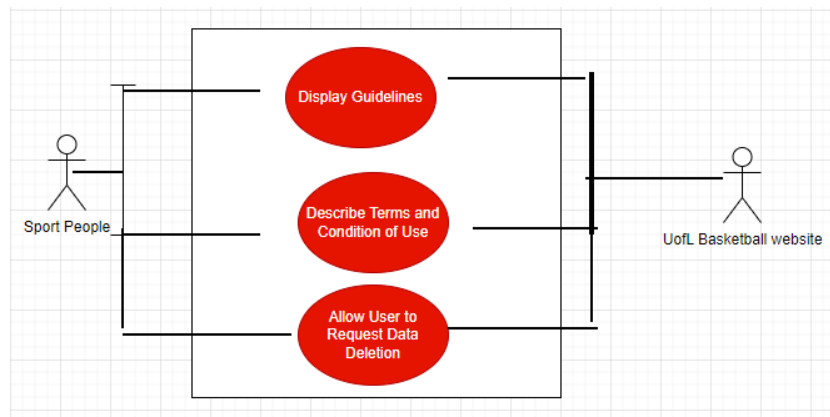
Use Case 38 Diagram:

Narrative: This website has a guideline page that will display how user data is collected, used, and protected.

Use Case 39 Diagram:

Narrative: This website has guidelines page will describe the terms and conditions of use

Use Case 40 Diagram:

Narrative: This website has a guideline page that will allow users to request to be deleted.