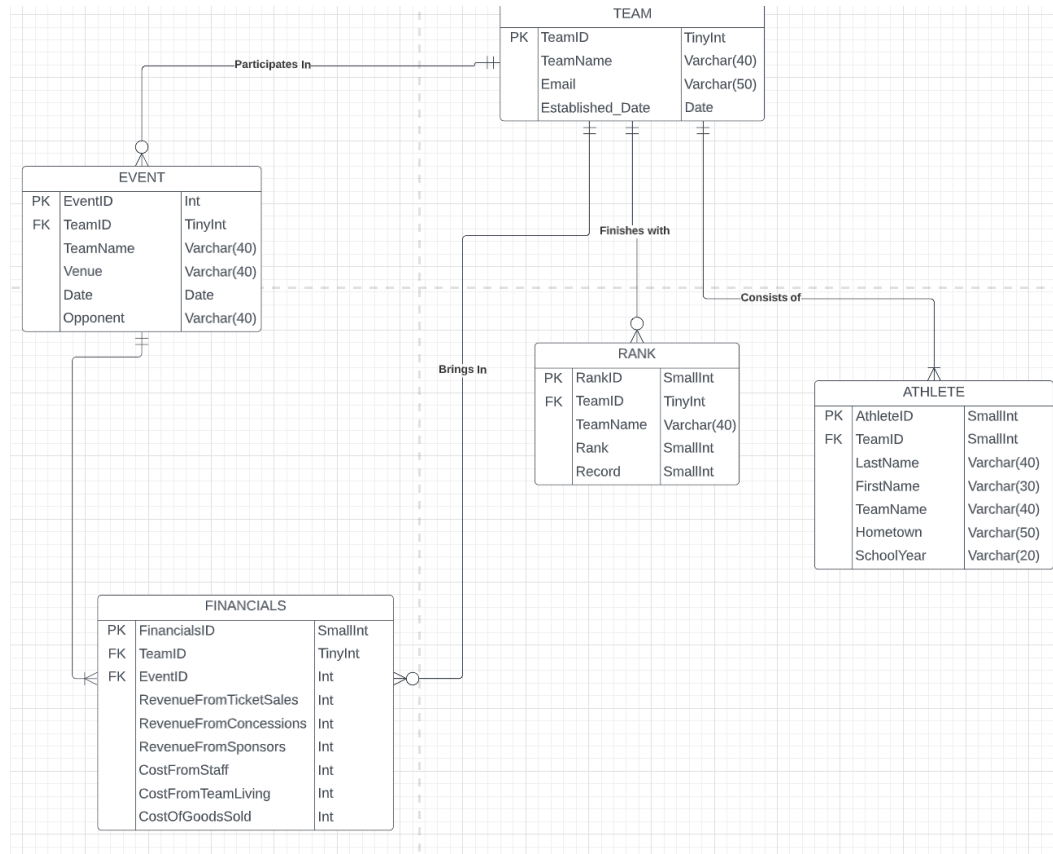


Matt Heffner, Oliver Kowalewitz, Kolsen Egan
Chong Oh
IS 4460
Group Project

U of U Athletic Department

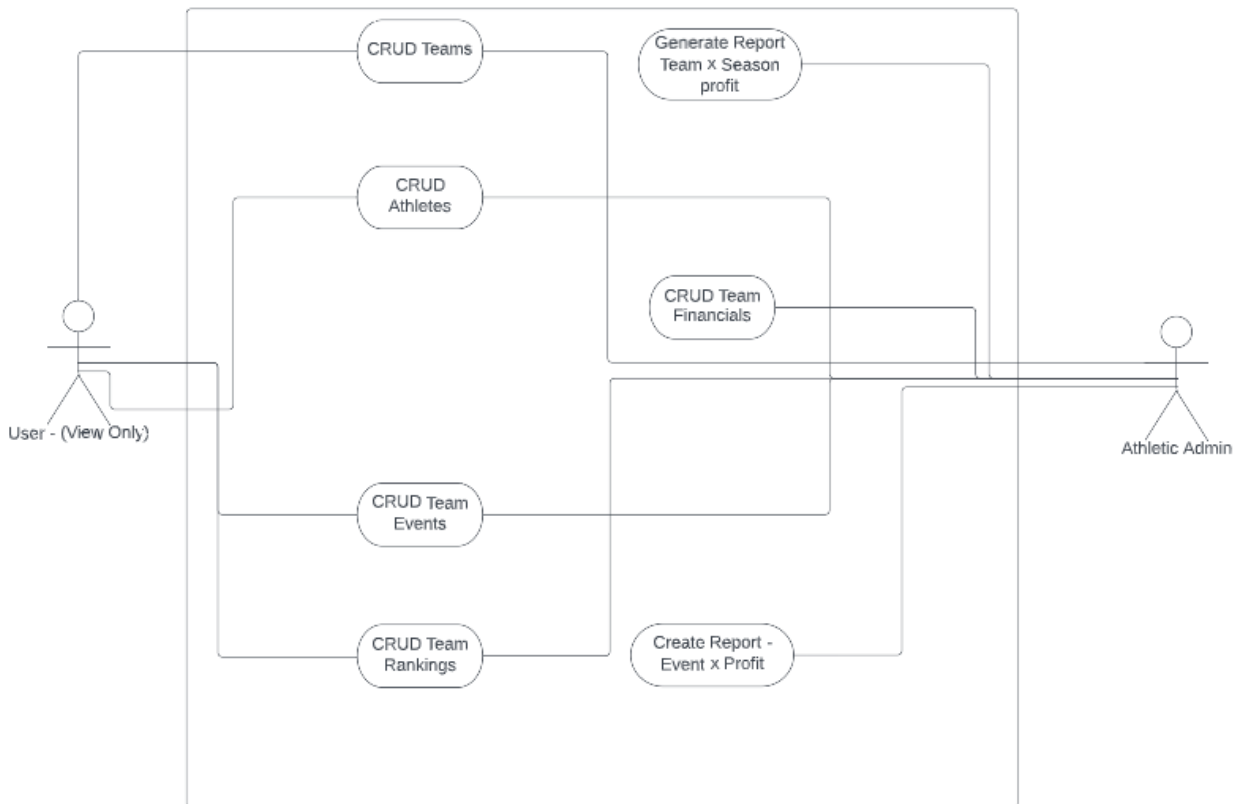
Project Document Deliverables

ERD



Athlete entity combines lastname and firstname as just Name

Use Case Model



Use Case Documents

Use Case	View/update/add/delete a Team	
Objective	View/update/add/delete a new team into the system	
Business Event	View/update/add/delete add a new team into the system	
Primary Actor (s)	Admin	
Secondary Actor (s)	User	
Pre-condition	Admin must be logged into the system. Admin clicks on the 'View/Add/Update/Delete Team' link in the home page.	
Post-condition	A team and their given information is listed with the option to update.	
Failure outcomes	Admin is in the view new team page. Admin is shown 'Error in View/Add/Update/Delete team'.	
Flow of Events	Actor	System
1	Login.php page is shown	Authenticates whether user or admin.
2	Admin in the home page (programportal.php).	

3	Admin can view/add/update/delete teams	Connect to the database. Admin can view various information about given team
4	Admin sees the addteam.php, viewteam.php updateteam.php deleteteam.php pages.	

Use Case	View/update/add/delete an Athlete	
Objective	View/update/add/delete a new athlete into the system	
Business Event	View/update/add/delete a new athlete into the system	
Primary Actor (s)	Admin	
Secondary Actor (s)	User	
Pre-condition	Admin must be logged into the system. Admin clicks on the 'View/Add/Update/Delete Athlete' link in the home page.	
Post-condition	Admin is forwarded to the View Athlete List Page.	
Failure outcomes	Admin is in the add new Athlete page. Admin is shown an error message 'Error in View/Add/Update/Delete an athlete'.	
Flow of Events	Actor	System

1	Login.php page is shown.	Authenticates whether user or admin.
2	Admin in the home page (programportal.php).	
3	Admin can view/add/update/delete Athlete.	Connect to the database. Admin can view various information about given athlete.
4	Admin sees the addathlete.php, viewathlete.php updateathlete.php deleteathlete.php pages.	

Use Case	Generate report Team vs Season profit
Objective	View team vs Season profit
Business Event	View/update/add/delete team vs Season profit into the system
Primary Actor (s)	Admin
Secondary Actor (s)	N/A
Pre-condition	Admin must be logged into the system. Admin clicks on the ‘ View/Add/Update/Delete team vs profit’ join in the home page.

Post-condition	Admin are forwarded to the interactive use case where they can view team rank vs teams profit List Page.	
Failure outcomes	User is in the add or view revenue page. Admin is shown an error message 'Error in View/Add/Update/Delete team vs profit '.	
Flow of Events	Actor	System
1	Login.php page is shown.	Authenticates whether user or admin.
2	Admin in the home page (programportal.php).	
3	Admin can view/add/update/delete information regarding profit vs team	Connect to the database. Admin can view various information about team vs profit.
4	Admin is can see the RankProfit.php page	

Use Case	Generate report Team events and Profit per event
Objective	View team event and profit from system
Business Event	View/Add/Update/Delete specific team event vs profit into the system
Primary Actor (s)	Admin
Secondary Actor (s)	N/A

Pre-condition	Admin must be logged into the system. Admin clicks on the 'View/Add/Update/Delete event' in the home page.	
Post-condition	Admin is forwarded to the View Event List Page where they also see the respective financials per event	
Failure outcomes	Admin is in the events vs profit page. Admin is shown an error message 'Error in View/Add/Update/Delete event vs profit'.	
Flow of Events	Actor	System
1	Login.php page is shown.	Authenticates whether user or admin.
2	Admin in the home page (programportal.php).	
3	Admin can view/add/update/delete information regarding team profit vs team event.	Connect to the database. Admin can view various information about given team events vs profit.
4	Admin can see Eventsprofit.php page.	

Use Case	View/update/add/delete Events
Objective	View/update/add/delete an Event for a team
Business Event	View/update/add/delete an Event for a team
Primary Actor (s)	Admin

Secondary Actor (s)	User	
Pre-condition	Admin must be logged into the system. Admin clicks on the 'View/Add/Update/Delete Event' link in the home page.	
Post-condition	Admin is forwarded to the View Event Page.	
Failure outcomes	Admin is in the add new Event page. Admin is shown an error message 'Error in View/Add/Update/Delete Event'.	
Flow of Events	Actor	System
1	Login.php page is shown.	Authenticates whether user or admin.
2	Admin in the home page (programportal.php).	
3	Admin can view/add/update/delete Events.	Connect to the database. Information regarding Team Events are shown.
4	Admin sees the addevent.php, viewevent.php updateevent.php deleteaevent.php pages.	

Use Case	Add/View/Update/Delete Ranking for each team	
Objective	View/update/add/delete a Ranking for a team	
Business Event	View/update/add/delete a Ranking for a team	
Primary Actor (s)	Admin	
Secondary Actor (s)	User	
Pre-condition	Admin must be logged into the system. Admin can View/Add/Update/Delete Ranking for a team	
Post-condition	Admin is forwarded to the view Post Ranking team.	
Failure outcomes	Admin is in view post Ranking page. Admin is shown an error message 'Error in View/Add/Update/Delete Ranking.	
Flow of Events	Actor	System
1	Login.php page is shown.	Authenticates whether user or admin.
2	Admin in the home page (programportal.php).	
3	Admin can view/add/update/delete Rankings.	Connect to the database. Information regarding Team Rankings are shown.

4	Admin sees the addRanking.php, viewRanking.php updateRanking.php deleteRanking.php pages.	
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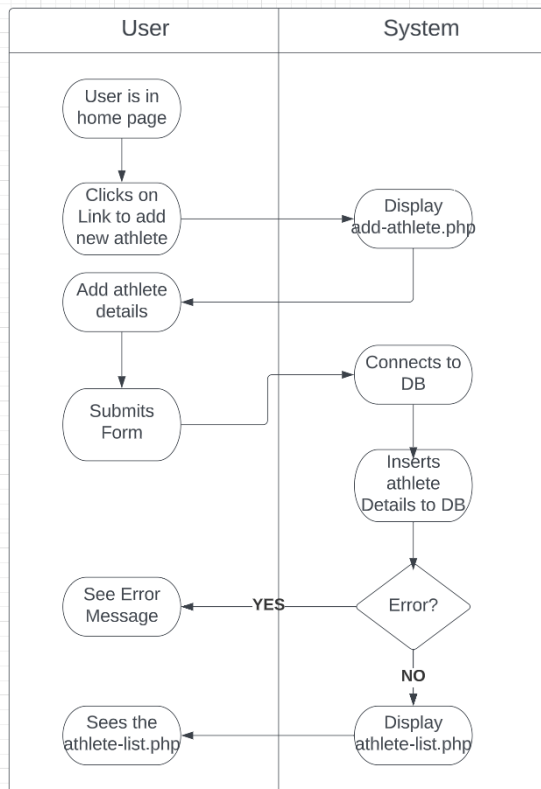
	Add/View/Update/Delete Financials	
Objective	View/update/add/delete Financials for a team	
Business Event	View/update/add/delete an Financials for a team	
Primary Actor (s)	Admin	
Secondary Actor (s)	none.	
Pre-condition	Admin must be logged into the system. Admin clicks on the View/Add/Update/Delete Financials link in the home page.	
Post-condition	Admin is forwarded to the View Financials Page.	
Failure outcomes	Admin is in the view Financials page. Admin is shown an error message 'Error in View/Add/Update/Delete Financials.	
Flow of Events	Actor	System
1	Login.php page is shown.	Authenticates whether user or admin.
2	Admin in the home page (programportal.php).	

3	Admin can view/add/update/delete Financials.	Connect to the database. Information regarding Financials are shown.
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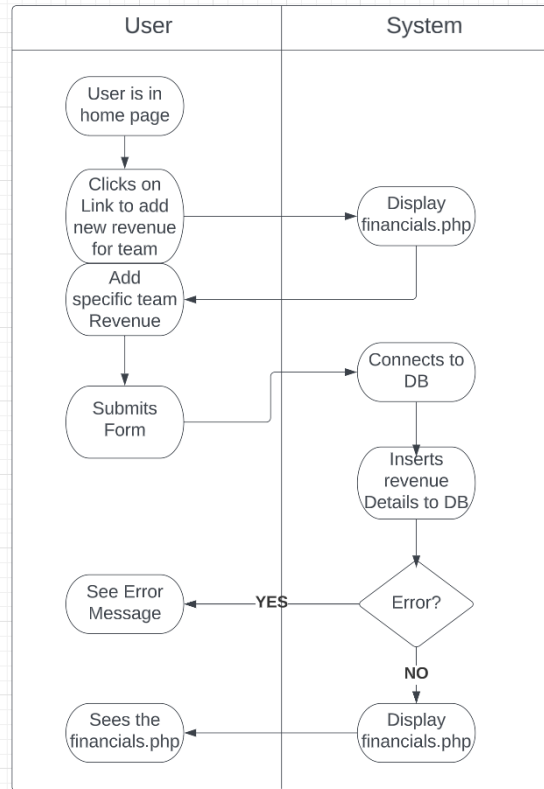
4	Admin sees the addFinancials.php, viewFinancials.php updateFinancials.php deleteaFinancials.php pages.	
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Use Case Activity Diagrams:

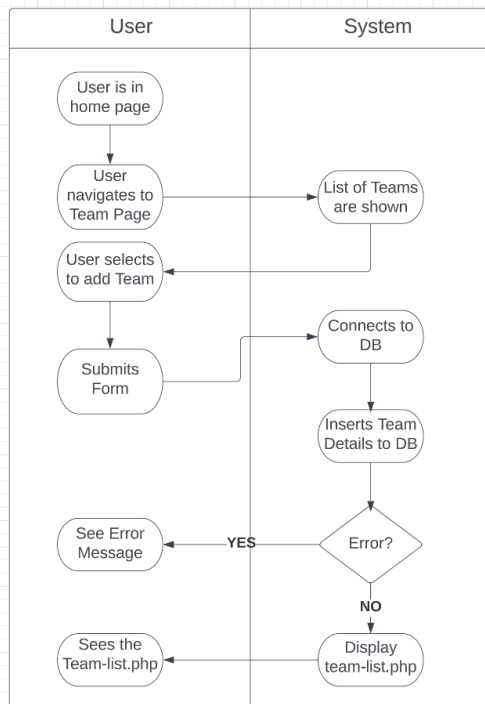
Add Athlete (User can also view , update or delete athlete)



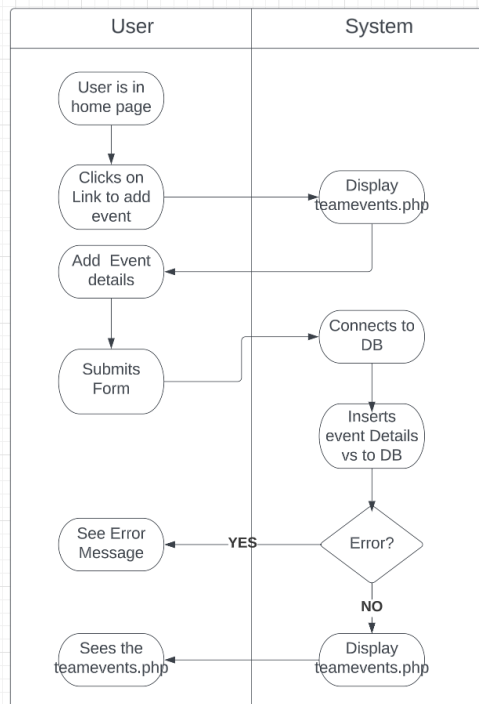
Add Financials (User can also view, update, delete revenues)



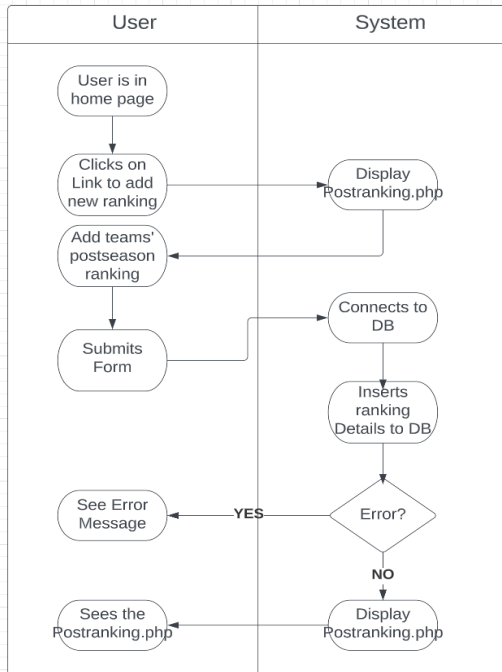
Add Team (User can also view, update or delete Team)



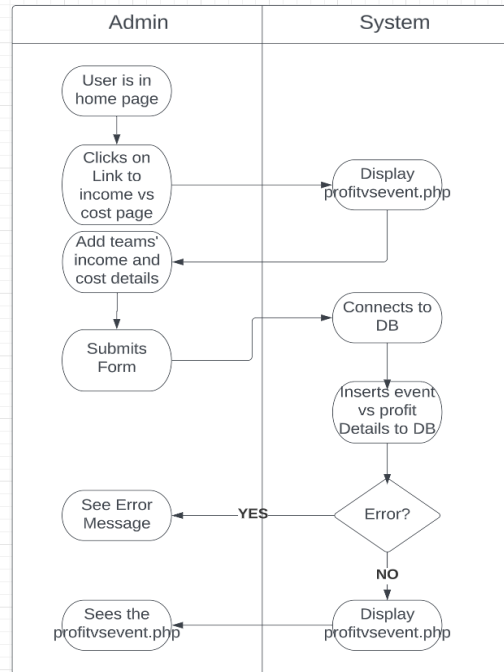
Add Event (User can also view, update, delete Event)



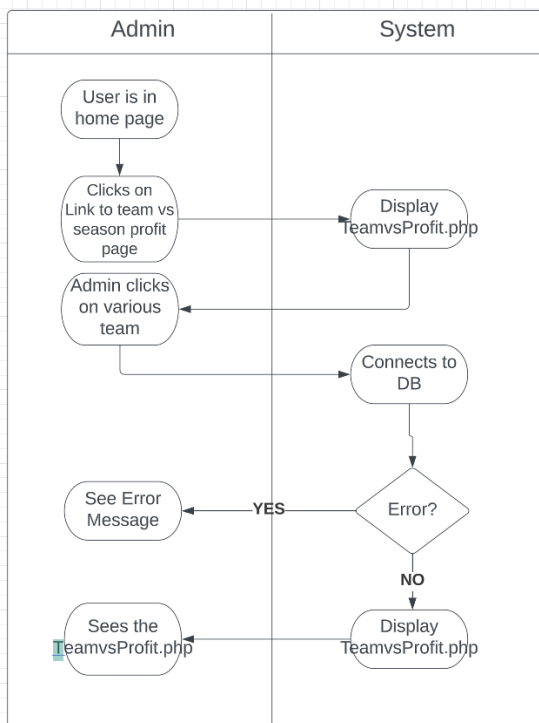
Add Ranks (User can also view, update, delete revenues)



Generate/add report to show particular event vs team profit



Generate/view report to show total season profit x team



Wire Frame Diagrams:

• • • •

ooo

Login

USERNAME

PASSWORD

Submit

• • • •

ooo

Program Portal

TEAM

DATE ESTABLISHED

CONTACT

View Roster

• • • •

ooo

Update/Delete Team

TEAM

Football

DATE ESTABLISHED

1/12/2000

CONTACT

email@gmail.com

Delete

• • • •

ooo

Add Team

TEAMNAME

EMAIL

DATE ESTABLISHED

Add

ooo

Roster

NAME

Tom Brady

CLASS

Senior

HOMETOWN

San Mateo, California

Delete

ooo

Add Athlete

NAME

CLASS

HOMETOWN

Add

ooo

Team Ranks

TEAM

football

RANK

1

RECORD

10-4

Add

ooo

Update/Delete Ranks

TEAM

football

RANK

1

RECORD

10-4

Update

Delete

ooo

Add Ranks

TEAM

Hockey

RANK

3

RECORD

6-9

Add

ooo

Team Events

FOOTBALL

Utes vs BYU, Rice Eccles Stadium

Utes vs USC, LA Memorial Coliseum

Utes vs UCLA, Rice Eccles Stadium

Back

ooo

Update/Delete Events

FOOTBALL

Utes vs BYU, Rice Eccles Stadium

Utes vs USC, LA Memorial Coliseum

Utes vs UCLA, Rice Eccles Stadium

UpdateDelete

ooo

Add Events

FOOTBALL

Add

•••••

ooo

Financials

TEAM

Football

EXPENSES

\$6,000

REVENUE

\$10,000

PROFIT

\$4,000

Back

•••••

ooo

Update/ Delete Financials

TEAM

Football

EXPENSES

\$6,000

REVENUE

\$10,000

PROFIT

\$4,000

Update

Delete

• • • •

ooo

Add Financials

TEAM
Hockey

EXPENSES
\$4,000

REVENUE
\$6,000

PROFIT
\$2,000

Add

• • • •

ooo

Financials Per Event

TEAM
Football

EVENT
Utes vs BYU, Rice Eccles Stadium

EXPENSES
\$500

REVENUE
\$1,000

PROFIT
\$500

Back

• • • •

ooo

Financials Based on Team Rank

TEAM

Football

RANK

1

TOTAL EXPENSES

100,000

TOTAL REVENUE

\$150,000

TOTAL PROFIT

\$50,000

Back

Business/Organizational objectives

These are achieved through the reports we have created. We spoke about it more in depth in the presentation. Essentially they can see events and how much revenue/cost/and profit there was. If they had high ticket sales but low concession sales, then they can learn from that event to properly staff the next one. If a program is growing or more profitable they can allocate more funds to that program to keep that momentum whether it is spent on staffing, equipment or scholarships to recruit talent. In our use cases they can view how much revenue, cost, and profit each program brings in per season and they can also zoom out further to see where the streams of revenue and expenses come from. It is important to keep in mind ethics when making these decisions which is further illustrated in the bold portion below.

Ethics and critical thinking in developing front end pages

Ethics and critical thinking plays an important role in the development of front-end pages for our application. Three important factors are user-accessibility, privacy and security, and evaluation and feedback.

The design of the webpage needs to be user-centered. Putting the needs and interests of users first and making sure that the user interface is easy to use, accessible, and inclusive plays a large role in the impression and brand our company leaves on its customers. Designing pages that can be navigated by people with various disabilities by using proper color contrast,

providing alternative text for images, and other accessibility features are examples in which ethics and critical thinking are used in the development of front end pages.

It's critical that our application is secure and respects users' privacy. This includes implementing proper security measures to protect user data, using encryption where necessary, and being transparent about how user data is collected, stored, and used.

Ethics and critical thinking can be used to evaluate the effectiveness of these web pages and ensure that they are meeting the needs of its users. This includes collecting feedback and making data-driven decisions to improve your UI.

By considering these factors, one can create front-end pages that provide a positive user experience and meet the needs of one's users while upholding ethical standards.

We must use ethics and critical thinking in our decision making from the data tracked by our web pages. For example, we can see what programs are growing and allocate more funds towards those to profit. We can see what events generate the most ticket sales and properly staff concessions at that event. Ethically it is important to have integrity and transparency with stakeholders such as athletes and donors. Just because the Football program generates the most revenue doesn't mean we can strip scholarships away from other programs in an effort to gain more profits. (ie. womens basketball teams ranked #1 but generate less revenue than the men's basketball team - would be unfair to strip their scholarships and give to the men's to recruit better players and generate more revenue through that program)