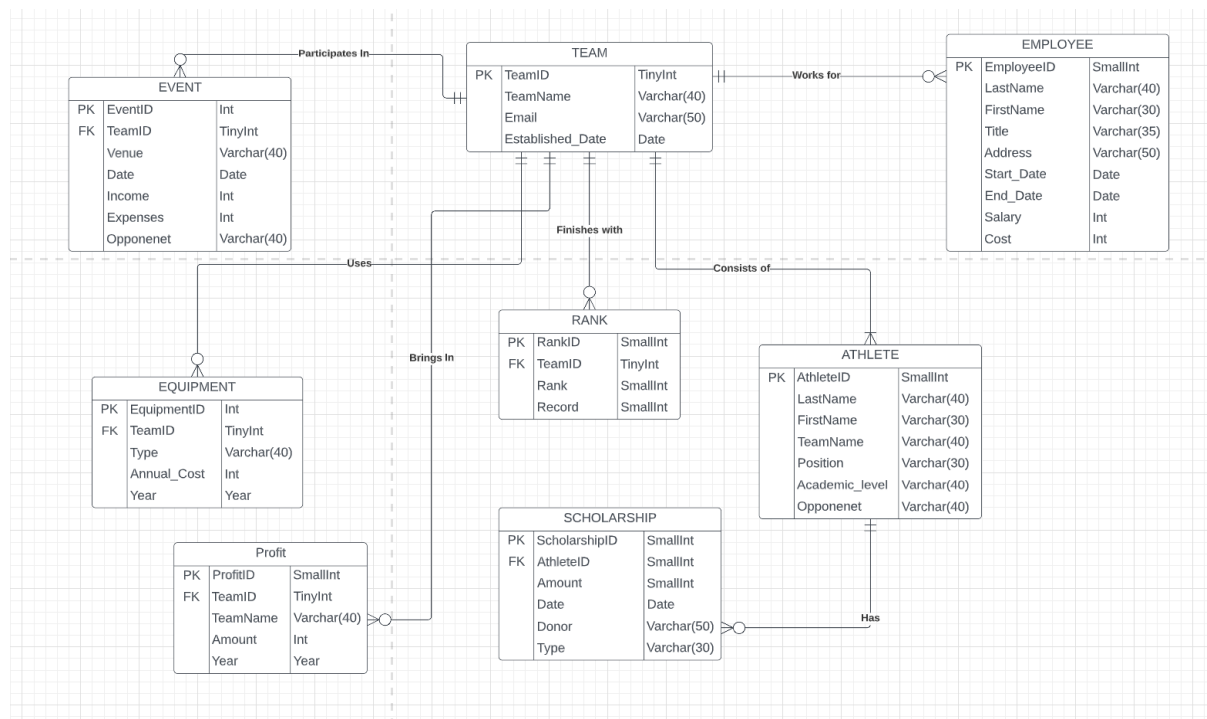


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Chong Oh
IS 4460
Group Project

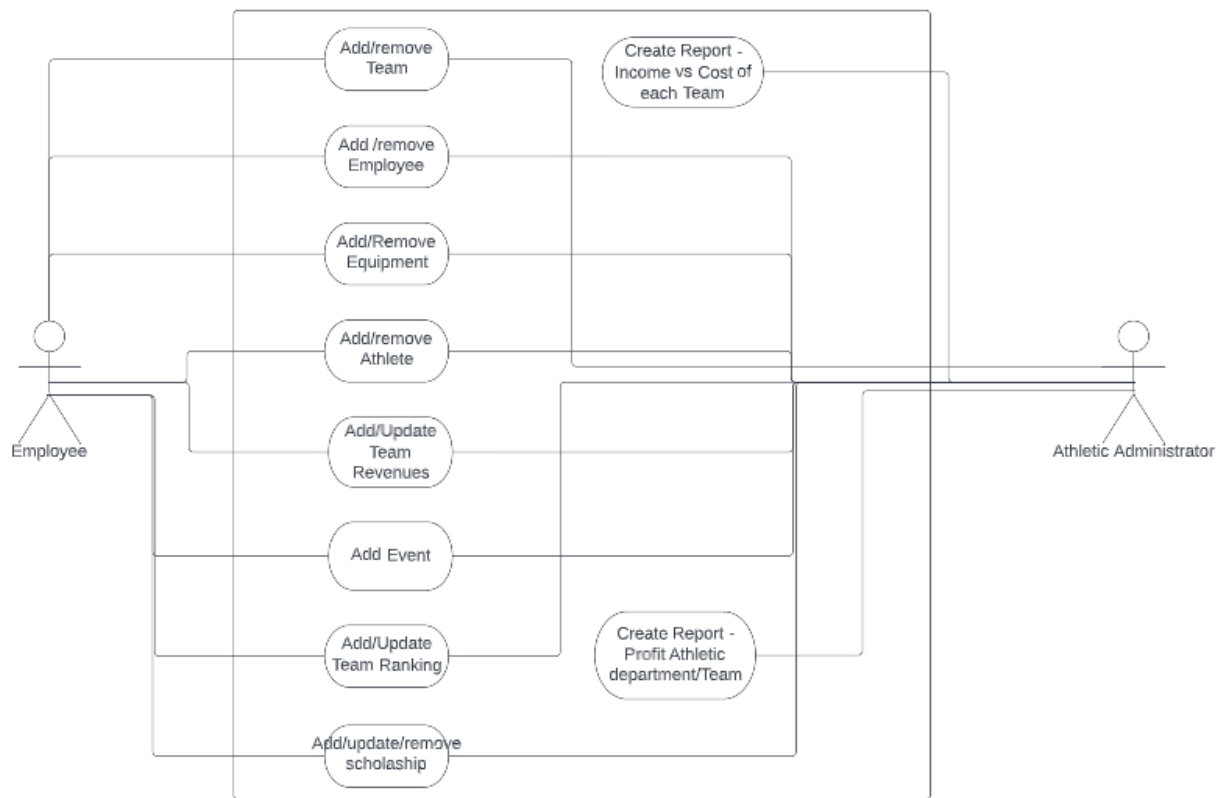
U of U Athletic Department

Midterm Project Deliverables

ERD



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)	Employee, Admin	
Secondary Actor (s)	None.	
Pre-condition	User must be logged into the system. User clicks on the 'View Team' link in the home page.	
Post-condition	A team and their given information is listed	
Failure outcomes	User is in the view new team page. User is shown an error message 'Error in viewing a team'.	
Flow of Events	Actor	System
1	User in the home page (homePage.php). User clicks on the view team page (Teams.php).	List of Teams are shown.
2	User can choose a team to select	
3	User selects team	Connect to the database. User can view various information about given team

4	User sees the Teamevents.php page, employee.php page, financials.php page, rankings.php page, athlete.php page, equipment.php page.	
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Use Case	View/update/add/delete an Employee (including salaries/wages)	
Objective	View/update/add/delete a new employee into the system	
Business Event	View/update/add/delete a new employee into the system	
Primary Actor (s)	Admin, Employee	
Secondary Actor (s)	None.	
Pre-condition	User must be logged into the system. User clicks on the 'Add or view Employee' link in the home page.	
Post-condition	User is forwarded to the View Employee List Page.	
Failure outcomes	User is in the add or view new employee page. User is shown an error message 'Error in adding or viewing employee'.	
Flow of Events	Actor	System
1	User in the home page (homePage.php). User clicks on the employee page (employee.php).	Employee list is shown.

2	User adds or views employees.	
3	User sees employee information	Connect to the database. Employee details are shown..
4	User sees Employees related team and salary/wage.	

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, Employee	
Secondary Actor (s)	None.	
Pre-condition	User must be logged into the system. User clicks on the 'Add or view Athlete' link in the home page.	
Post-condition	User is forwarded to the View Athlete List Page.	
Failure outcomes	User is in the add new Athlete page. User is shown an error message 'Error in Viewing an athlete'.	
Flow of Events	Actor	System

1	User in the home page (homePage.php). User clicks on the athlete page (athlete.php).	Athlete page is shown.
2	User adds or views athlete details.	
3	User submits the form.	Connect to the database. Various athlete information is shown
4	User sees the Team.php page as well as scholarship.php page	

Use Case	View/update/add/delete Equipment
Objective	View/update/add/delete new equipment into the system
Business Event	View/update/add/delete new equipment into the system
Primary Actor (s)	Admin, Employee
Secondary Actor (s)	None.
Pre-condition	User must be logged into the system. User clicks on the 'Equipment' link in the home page.
Post-condition	User is forwarded to the View Equipment Page.
Failure outcomes	User is in the View equipment page. User is shown an error message 'Error in viewing equipment'.

Flow of Events	Actor	System
1	User in the home page (homePage.php). User clicks on the equipment page (equipment.php).	Equipment page is shown.
2	User adds or views equipment details.	
3	User submits the form.	Connect to the database. View list of teams equipment
4	User sees the equipment.php page that correlates to the team	

Use Case	View/update/add/delete Revenue for Specific Teams
Objective	View/update/add/delete new revenue for a team into the system
Business Event	View/update/add/delete a new revenue for a team into the system
Primary Actor (s)	Admin, Employee
Secondary Actor (s)	None.
Pre-condition	User must be logged into the system. User clicks on the ‘ view revenue’ link in the home page.
Post-condition	User is forwarded to the View Revenue List Page.

Failure outcomes	User is in the add or view revenue page. User is shown an error message 'Error in adding or viewing revenue'.	
Flow of Events	Actor	System
1	User in the home page (homePage.php). User clicks on the view revenue page (financials.php).	Team's financials are fun.
2	User gets a list of various teams and corresponding revenue.	
3	User submits specific teams revenue.	Connect to the database.
4	User sees the team.php page. And financial.php page	

Use Case	View/update/add/delete Event for a Team
Objective	Add a new event for a team into the system
Business Event	Add a new event for a team into the system
Primary Actor (s)	Admin, Employee
Secondary Actor (s)	None.

Pre-condition	User must be logged into the system. User clicks on the ‘Add or view event’ in the home page.	
Post-condition	User is forwarded to the View Event List Page.	
Failure outcomes	User is in the add new Event page. User is shown an error message ‘Error in viewing event’.	
Flow of Events	Actor	System
1	User in the home page (home.php). User clicks on the add or view event page (Teamevents.php).	Add or view event page is shown.
2	User adds new details or views existing details.	
3	User submits the form.	Connect to the database. List of events are shown.
4	User sees the TeamEvents.php page.	

Use Case	View/update/add/delete Post Ranking for a Team
Objective	View/update/add/delete a new ranking for a team into the system
Business Event	View/update/add/delete a new ranking for a team into the system

Primary Actor (s)	Admin, Employee	
Secondary Actor (s)	None.	
Pre-condition	User must be logged into the system. User clicks on the 'View Ranking' link in the home page.	
Post-condition	User is forwarded to the View Ranking Page.	
Failure outcomes	User is in the add new Customer page. User is shown an error message 'Error in viewing Ranking'.	
Flow of Events	Actor	System
1	User in the home page (home.php). User clicks on the add new ranking page (PostRanking.php).	View Post ranking page is shown.
2	User can view a teams postseason ranking.	
3	User submits the form.	Connect to the database. Teams Post rankings are shown
4	User sees the PostRanking.php page.	

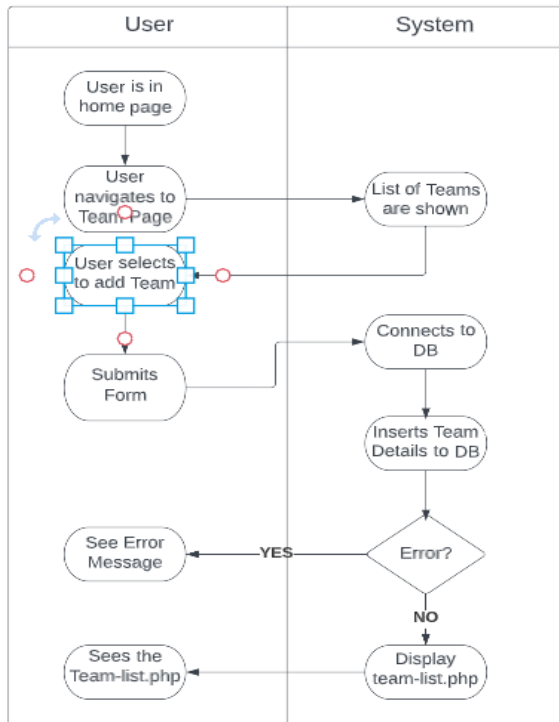
Use Case	Generate report to show income vs cost for every team at the U
Objective	Add a new report for income vs cost into the system

Business Event	Add a new report for income vs cost into the system	
Primary Actor (s)	Admin	
Secondary Actor (s)	None.	
Pre-condition	User must be logged into the system. User can view income vs cost of each athletic team at the University of Utah	
Post-condition	User is forwarded to the View Income vs Cost Page.	
Failure outcomes	User is in the add new Customer page. User is shown an error message 'Error in viewing income vs cost.	
Flow of Events	Actor	System
1	User in the home page (home.php). User clicks on the income vs cost page (IncomeVsCost.php).	Income vs Cost for each team is shown.
2	User can click on specific team.	
3	User submits the form.	Connect to the database. Each specific cost vs income for every specific team is shown

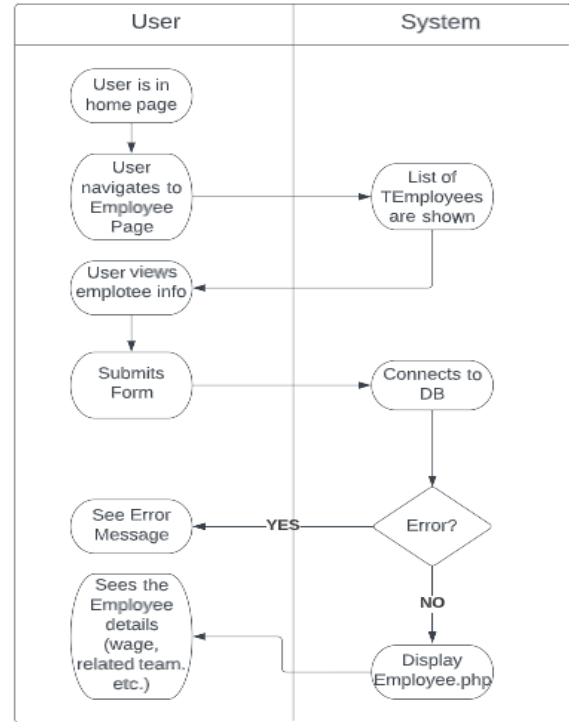
Use Case	Generate report to show profit of athletic department vs each team	
Objective	Add a new report to show profit of athletic department vs each team into the system	
Business Event	Add a new report to show profit of athletic department vs each team into the system	
Primary Actor (s)	Admin	
Secondary Actor (s)	None.	
Pre-condition	User must be logged into the system. User clicks on the 'TeamVsDepartment' link in the home page.	
Post-condition	User is forwarded to the View Team Vs Athletic department profit Page.	
Failure outcomes	User is in the add new Customer page. User is shown an error message 'Error in viewing team vs athletic department.'	
Flow of Events	Actor	System
1	User in the home page (home.php). User clicks on the view team vs athletic department profit page (TeamVsDepartment.php).	Each teams profit is compared with the athletic department
2	User views comaprison.	
3	User clicks various team.	Connect to database. User is shown the team vs athletic department profit

Use Case Activity Diagrams:

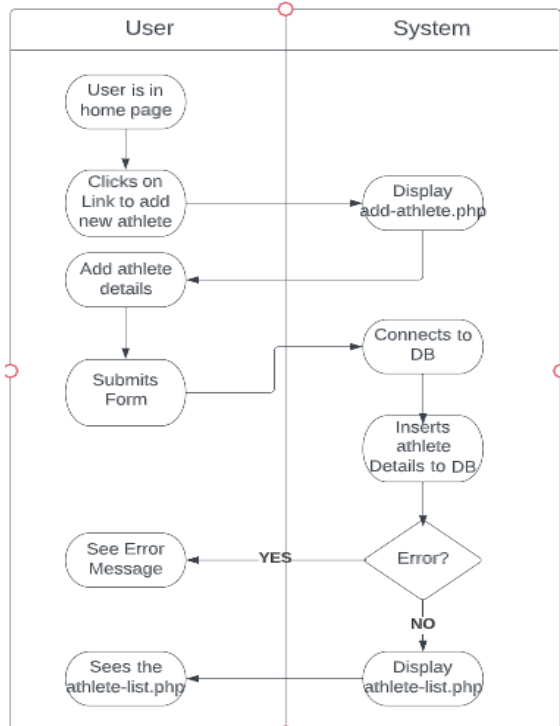
Add Team (User can also view, update or delete Team)



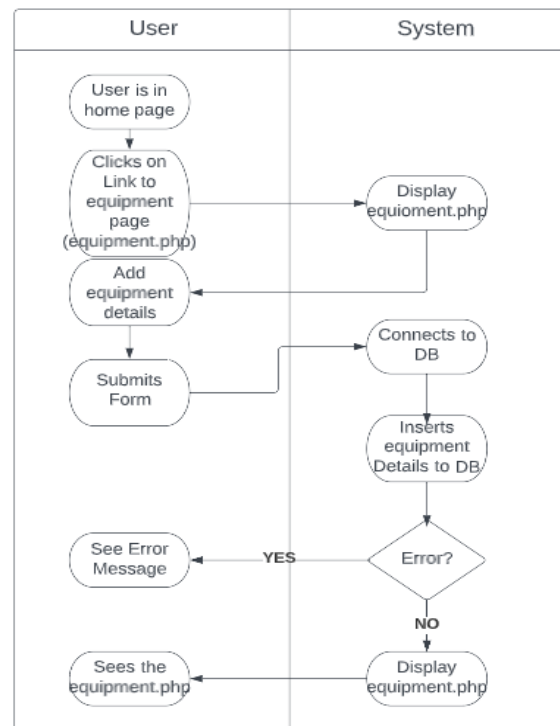
View Employee (User can also add, update or delete Employee)



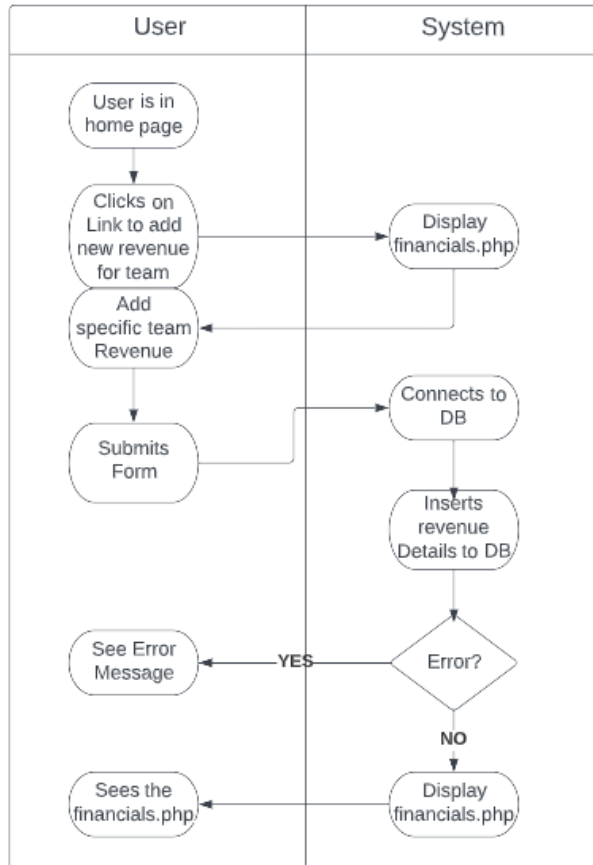
Add Athlete (User can also view , update or delete athlete)



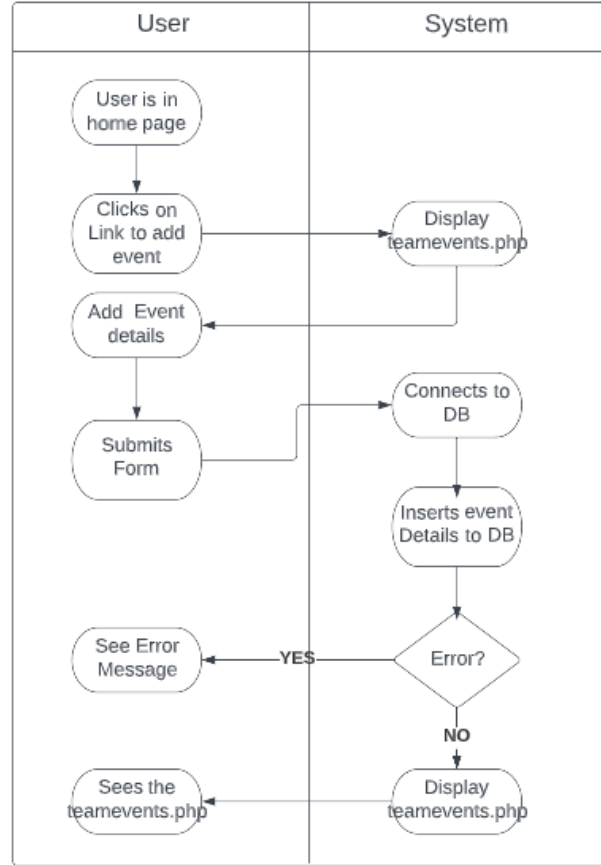
Add equipment (User can also view, update or delete equipment)



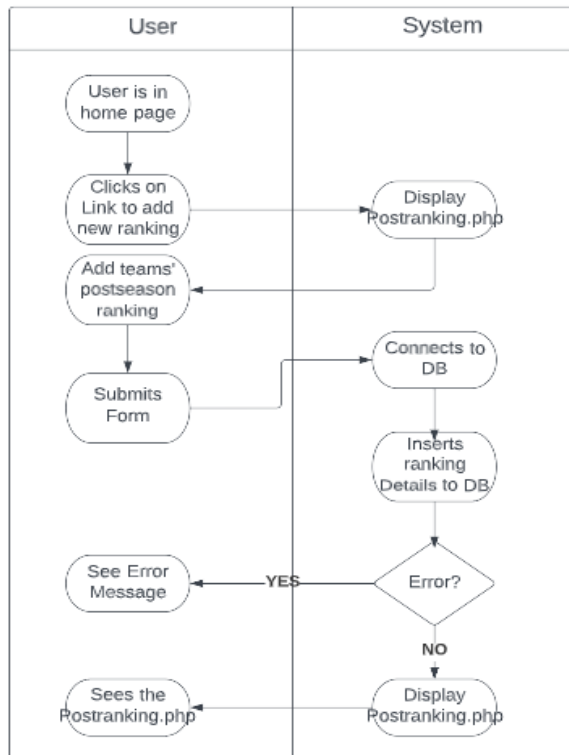
Add Revenue (User can also view, update, delete revenues)



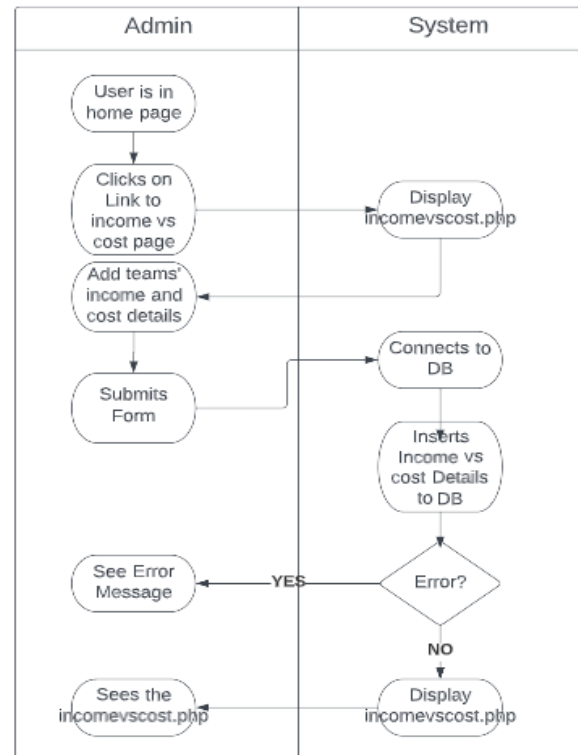
Add Event (User can also view, update, delete Event)



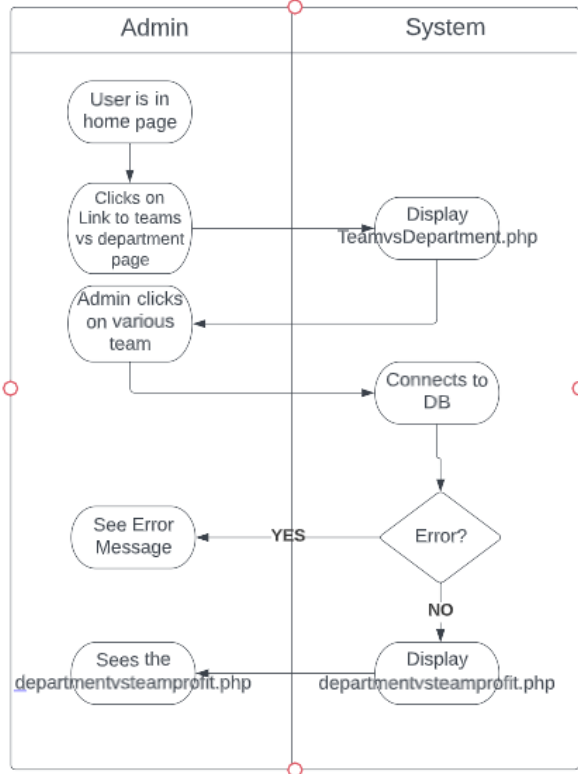
Add Revenue (User can also view, update, delete revenues)



Generate/add report to show income vs cost for each team at the U



Generate/view report to show total profit of athletic department vs each team



Wire Frame Diagrams:

Uploaded as PDF to GitHub along with code

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.