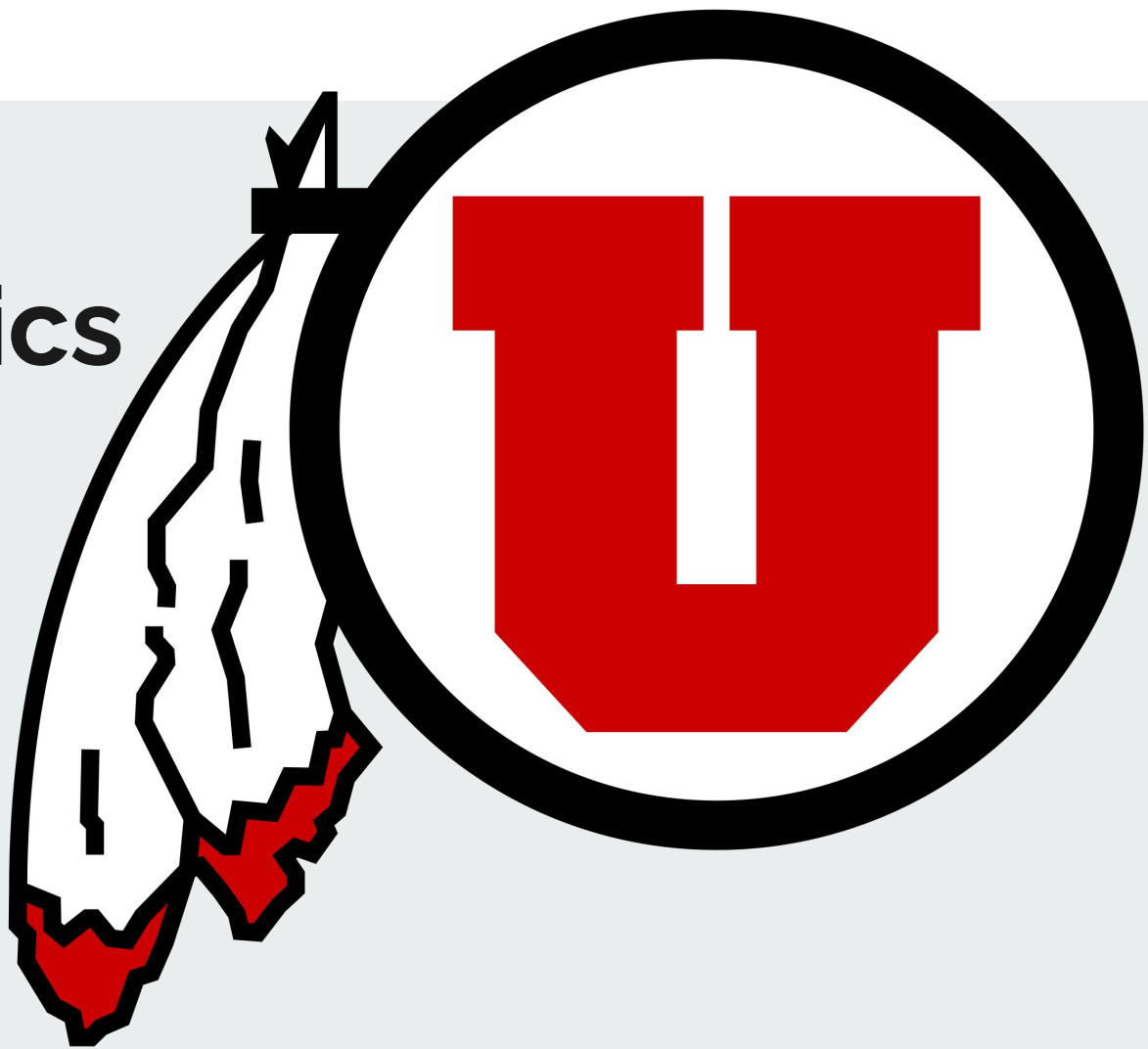




U of U Athletics

By Kolsen Egan, Matt Heffner,
and Oliver Kowalewitz



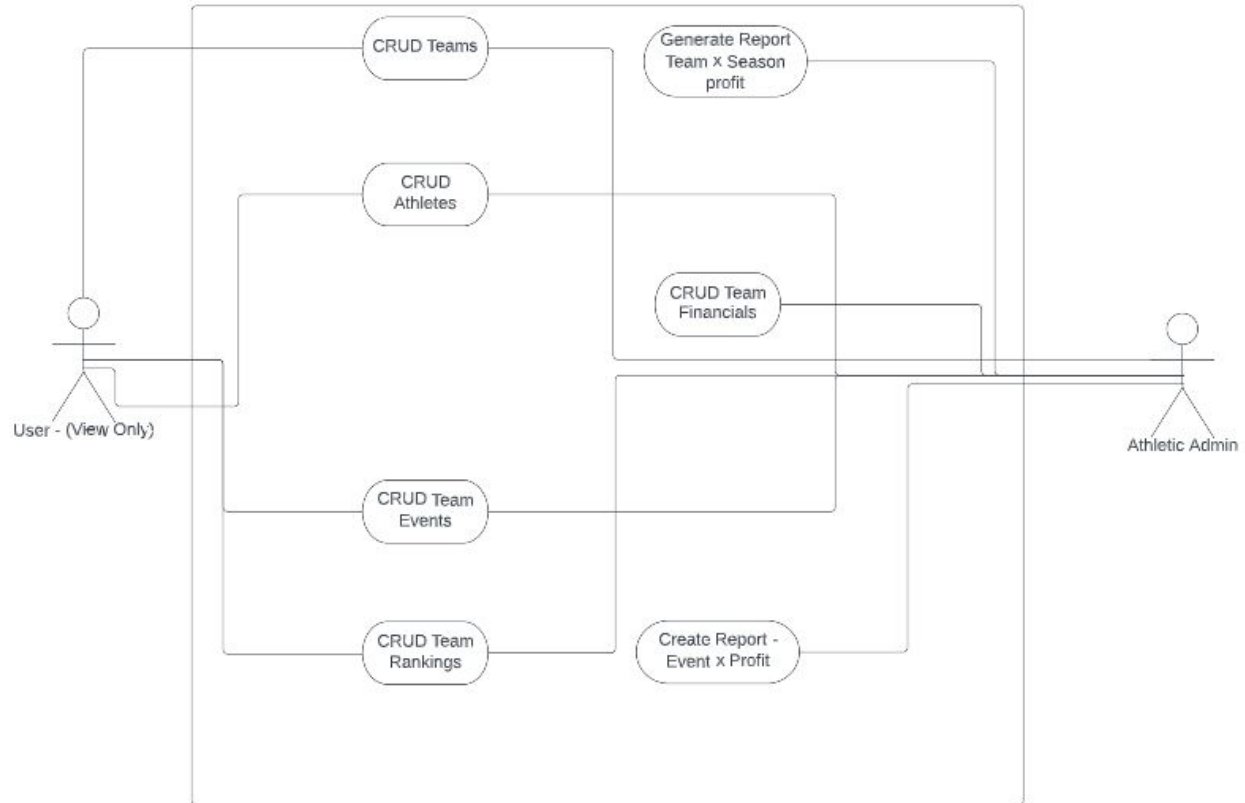
Goal:

Create an interactive website that connects to our database and allows students to access teams and their respective events at the U. While also allowing administrators to view financial information regarding each team so they can make logical decisions on where to distribute money each year based on profits.





UCD





Wire Frame Diagrams

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Team Events

FOOTBALL

Utes vs BYU, Rice Eccles Stadium

Utes vs USC, LA Memorial Coliseum

Utes vs UCLA, Rice Eccles Stadium

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Financials Per Event

TEAM

Football

EVENT

Utes vs BYU, Rice Eccles Stadium

EXPENSES

\$500

REVENUE

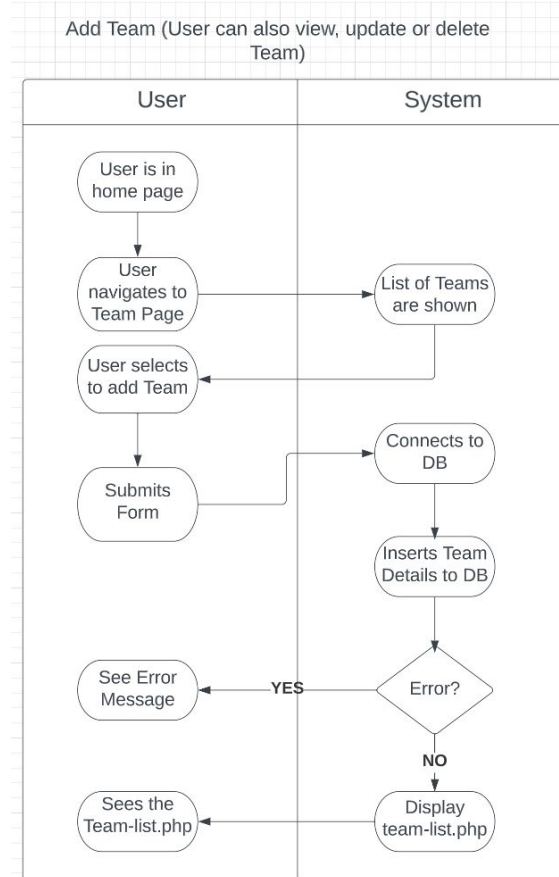
\$1,000

PROFIT

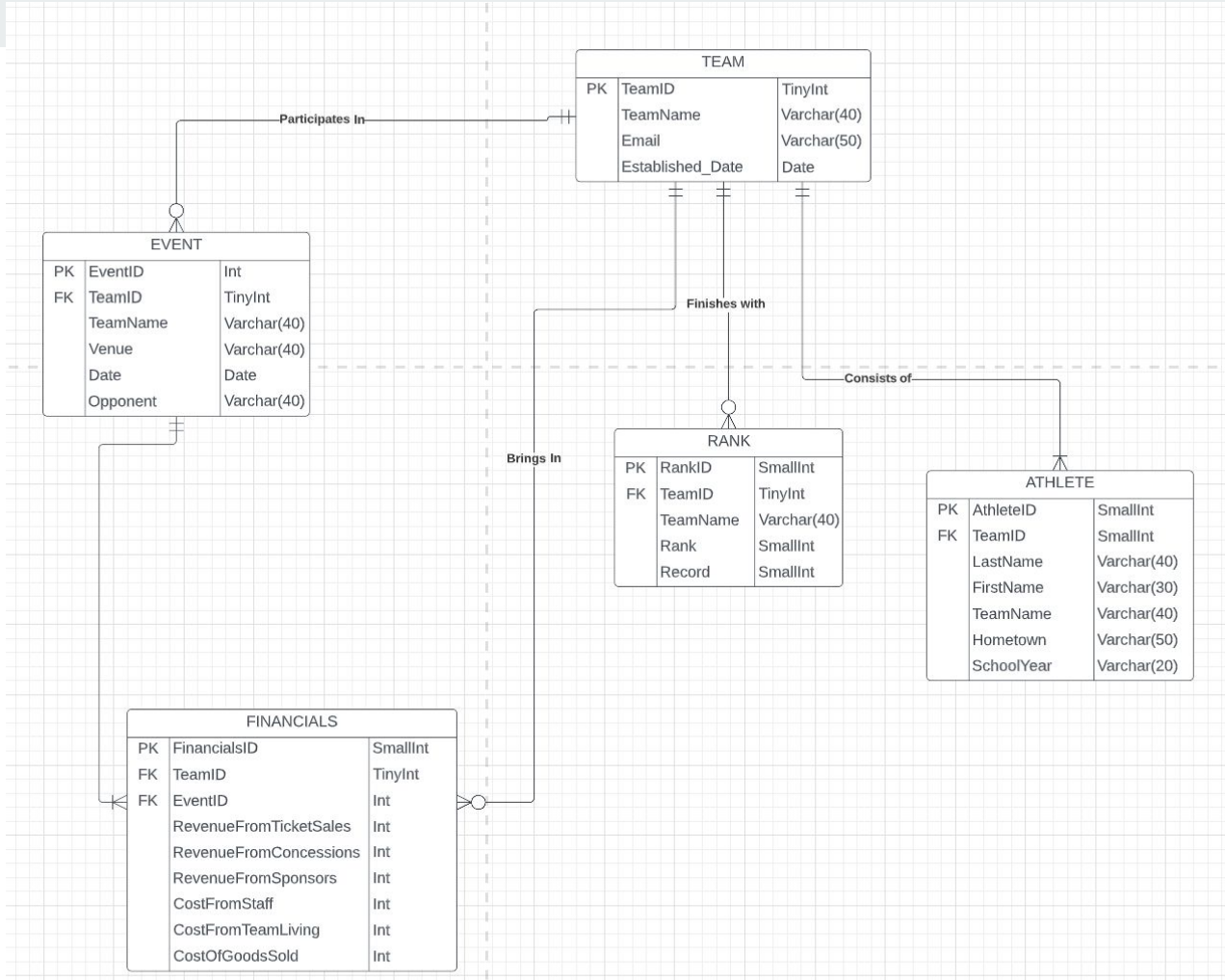
\$500

Back

Activity Diagram Example



ERD



Security

- Authentication Login
- Session Management
- Logout and session destroy



User Use Cases

- View Teams
- View Team Rankings
- View Team events/schedules
- View Roster for each team



Admin Use Cases

- CRUD for Teams
- CRUD for Teams Financials, specifically profits/costs
- CRUD for Athletes
- CRUD for Team Events
- CRUD for Team Ranks in respective leagues
- View Profit report by Each Event
- View Total Season Profit report by Team/Program



Authorization

- 2 Roles (admin, user)
- Admin can view and perform all crud actions for our 5 entities and view specific financial profit reports
- User can view teams, rosters, events/schedules, ranks

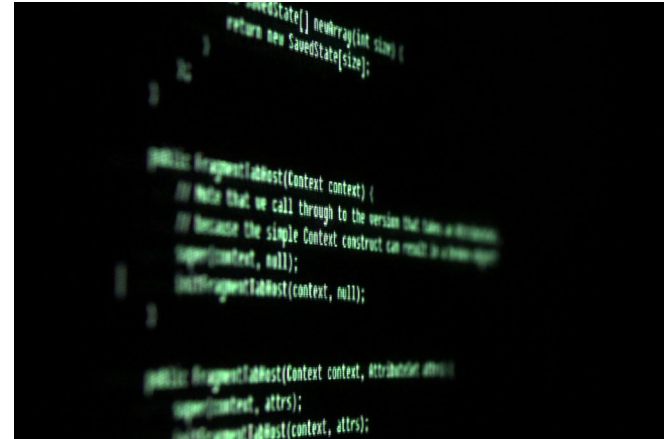




Database and Code

Performed multiple SQL joins in PHP code to generate interactive use cases

Data/Entities on average is populated with 20 rows... (some have 5 others have 50)



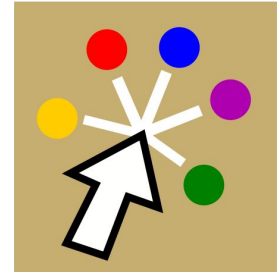
```
    savedState[] = newarray(100);  
    return new SavedState($size);  
}  
  
public function __construct(Context context) {  
    // Note that we call through to the version that takes a database  
    // because the simple Context construct can result in a new object  
    super(context, null);  
    initFromDatabase(context, null);  
}  
  
public function __construct(Context context, AttributeSet attrs) {  
    super(context, attrs);  
    initFromDatabase(context, attrs);  
}
```

Interactive Use Cases and Joins

Season Profit x Team - Shows the total season profit of each program

Events x Profit - Shows the profit of each event for each team

(Roster, schedule, and financials for each team/program also pull from multiple entities)



Ethics/Critical Thinking

- User Accessibility
- Privacy and Security
- Evaluation and Feedback
- Organizational Objectives
- Ethical use of Funds to support all stakeholders

