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**Summary/Proposal of application:**

Our proposal for a “TopicDex” is a NFL Database. Our NFL database serves as a useful tool for searching up NFL players and their stats allowing both casual and avid NFL sport fans to collectively keep track with up to date information about their own unique list of “watched players”.

**Motivation:**

Our prime motivation for this application is to help allow Fantasy Football players keep track and monitor their team with ease and flexibility without having to look at multiple sources or sites. People who like to keep up with players for fantasy or for fun are forced to sign up and use a fantasy football site or pay for an account on a site to keep up with their stats. ESPN.com allows users to look up all stats but it’s not user friendly because there’s no way hide some of the attributes that you dont want to see like the number of pass attempts, number of games played, etc. This application can also be extended to anyone and help those with either little to no or no knowledge about Football with the goal of helping users become familiar with NFL players. Our cataloged data allows users to add and remove players in a watched list so they can see follow up on players that they are currently interested in as well as seeing their statistics, trends, and ranking.

**Features/Unique attributes:**

- Search bar/Categories/Browsing by player, team, position
- Watched List of players
- See stats of players, rankings, averages
- See picture of players
- Ability to filter players based off different statistics
- Able to see other users’ page and watched list

**Possible Users:**

Our primary focus and user base would be anyone who needs a simple and systematic way of viewing and grouping NFL player statistics of their choosing mostly for Fantasy

Football. This application can be extended to anyone who is casually interested in Football as well as having a business application to groups who need to monitor certain players. This application is most viable to people who play Fantasy Football since they can keep track of their roster and players they want to add to their team via trade or waiver wire. Our possible user groups can be:

Fans

- Fans of players who solely want to keep track of how well a player is doing
- Make sure their top players aren't injured

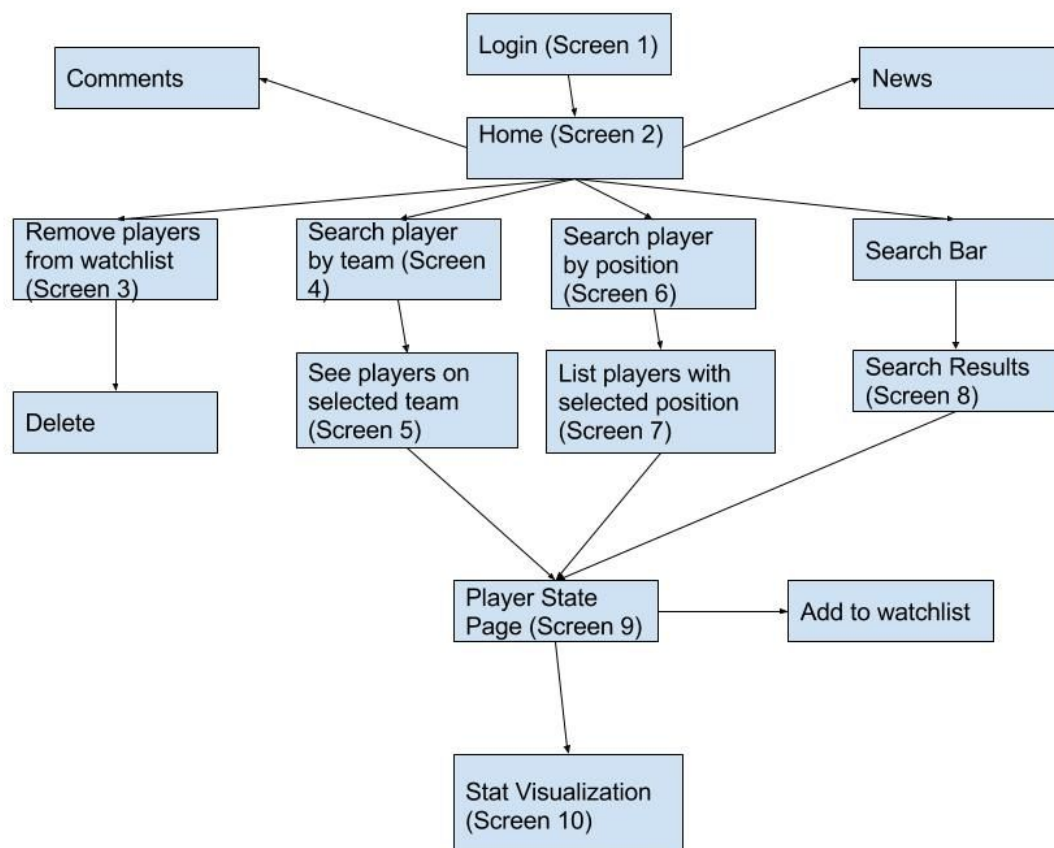
People who want to gain more knowledge on Football and the players

- Learn top players and who else follows them

Fantasy Football players

- Can quickly look up how well their players did in their games.
- See which players are good pick ups for their team

### **Layout/innerface/flow chart of UI:**



### **Sample screen and wireframes:**

Screen 1: Login

Label

Password

Login

Screen 2: Home



Players by Team

Players by Position

Current players on watchlist:



Name



Name



Name



Name



Name



Name

More...

Remove

Comments:

.....  
.....  
.....  
.....  
.....

Add Comment

News:

.....  
.....  
.....  
.....  
.....

Screen 3: Remove players from Watchlist

Select Players to Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



☐ Delete



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☐ Delete



☐ Delete















☐ Delete





















Delete

Select All

#### Screen 4: Choose Team

				AFC North
Name	Name	Name	Name	
				AFC South
Name	Name	Name	Name	
				AFC West
Name	Name	Name	Name	
..... etc				

#### Screen 5: Players on team

























	TEAM NAME			
Quarterbacks:				
	Name	Name	Name	Name
Running Backs:				
	Name	Name	Name	Name
Wide Receivers:				
	Name	Name	Name	Name
Position:				
	Name	Name	Name	Name
Position:				
	Name	Name	Name	Name

Screen 6: Choose Position

Quarterback
Running Back
Position
Position
Position
Position
Position
Position

Screen 7: Choose player by Position

POSITION NAME

					
Name	Name	Name	Name	Name	Name
					
Name	Name	Name	Name	Name	Name
					
Name	Name	Name	Name	Name	Name
					
Name	Name	Name	Name	Name	Name

RESULTS FOR SEARCH



Name



Name



Name

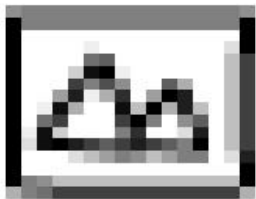


Name



Name

Screen 9: Player Stat Page



Name: .....

Position: .....

Team: .....

Stats: .....

Stats: .....

Stats: .....

Stats: .....

Stats: .....

Stats: .....

Stats: .....

Stats: .....

Add to watchlist

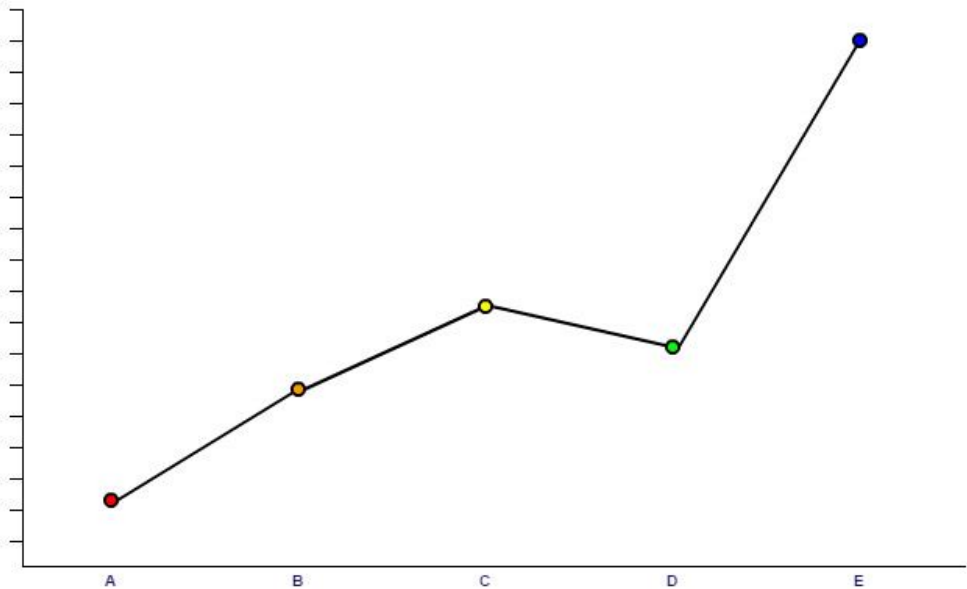
NEWS

.....  
.....  
.....  
.....  
.....

COMMENTS

.....  
.....  
.....  
.....  
.....

Screen 10: Stat visualization





## **Strength/Weakness/risks/execution:**

### Strengths:

- personalized collection of watched players (public or private)
- can keep track of as many players as you want!
- organized data
- easy login and signup, users can login in through Facebook
- users can visit and comment on each other
- Keep track of all players on teams

### Weaknesses:

- Other media platforms for other people to choose or use from
- Storage issue
- Unmoderated comment section
- Older users may have a hard time navigating and using some features since there's a lot of options to exclude players, stats, etc.
- Can't keep track and see stats of retired players
- Might have too many features and options, users can get confused or can't find a specific option they're looking for
- Not a fantasy football league! Users might not want to use our application since they can keep track of their team on their own fantasy football site like FleaFlicker

### Risks:

- possible small user base that is actively fixated on NFL
- possible low retention rate since most people use ESPN and Fantasy Football to keep up with players
- vulnerable to hackers

### Execution:

- Use Firebase for backend storage
- HTML/CSS/Javascript for frontend and website development