

Joshua Paup, Jason Hong, Jake Tran, Drew Casner – Project Milestone 3  
CSCI 3002 Foundations of Human-Centered Computing  
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Monday, 6 August 2018

**PROTOTYPE LINK:**

<https://www.figma.com/proto/J13lNwVOg7fQjO9DZqotnu9d/Sports-Reel-V2?node-id=5%3A2&scaling=min-zoom>

**DESIGN ITERATION:**

With the second version of our prototype, we decided to expand on a few concepts we had in the beginning, include a major addition, hide the complexity of certain features, and revise other ideas.

For starters, we kept the original homepage concept with logging in and signing up. The one addition we made to the signing up process was creating better visualizations for the 'Select Your Favorite Player(s)' section for each available sport. That way, users can have a better idea as to who they're selecting. After selecting their favorite athletes, rather than go to a settings page like we had in the original concept, they are immediately brought to their dashboard.

One of the feedbacks we received during the initial prototype was that the highlights screen and buttons were too small, so we decided to follow through with that decision. Rather than have a small box with the highlight, the video will encompass a greater part of the screen with the comment and like buttons. This way, the users will have better mapping since there is less complexity on the screen. Additionally, we decided to remove the concept of "swiping" from the dashboard from the initial prototype. That way, users don't have to swipe left or right to comment/favorite items or scroll through videos, but rather they only need to swipe up and down to view their highlights. We decided to keep the comment preview on our highlight video since we thought it would be a good feature with the enlarged highlight window.

With the complexity of our initial prototype, we decided to hide those features within a 'sandwich' button that users can select to change their preferences or filter through certain highlights. Most of the items within this 'sandwich' button include a 'Logout' button, 'Filters', 'Sport Preferences' and a 'Submit Your Own Highlight' feature.

One of the additions we made to the new prototype was including the "Submit Your Own Highlight" option that allowed users to complete the feature's namesake. With this, a user can record or upload their own highlight to the network for others to view and comment on.

Within the 'Filter Page' we added a few more items we thought would be a great addition for filtering through videos including prioritization by 'Most X, Y, or Z' along with the 'Date' and 'Length' highlights we had in our initial prototype.

## **USER STUDIES:**

With the interviews, there were no specific settings we all universally used. Almost all our users that we requested feedback from were university students.

With the user studies, we had users conduct two tasks:

1. Create a new account and customize your highlight feed.
2. Log out of your account. Once you log out, log back in and sign up for a paid subscription. Afterwards, write a comment on a highlight about your new subscription.

We chose to have users follow these two tasks because it covers most items we would like users to regularly use. These tasks utilize signing up, logging in, interacting with the highlights page, writing a comment, and manipulating with the settings button.

The questions that we asked the users once they were finished completing both tasks included the following:

1. How often do you watch sports highlights?
  - a. Daily
  - b. Every other day
  - c. 1-3 times a week
  - d. Less than once a week
2. On a scale of 1-10, with 1 being 'elementary' and 10 being 'impossible', rate the difficulty of achieving our tasks.
3. How could we improve usability without sacrificing features?

Reviewing through the feedbacks we received, it seems like what went well with and what everyone liked with our prototype was the simple interface of the entire application. While there were some hiccups with a few user tests, everyone completed both tasks we provided to them. The feedbacks we received from our initial prototype pushed us to find ways to hide certain complexities (including the preferences/filter pages) and simplify others (dashboard).

Some users have stated that they thought there was some complexity within the sandwich (settings) button we provided. Navigating through the preferences and filters was slightly complex, but was manageable. Additionally, one comment was made scrolling through all athletes would take too much time, so we will revise through that as well.

One limitation of the prototype we have is not having access to showcase these highlights to these users, and use the vertical scrolling feature. Figma is limited in that case, so we have had to let users use their imagination. This would go hand-in-hand with the limitations we faced while conducting user feedbacks.

## **USER FEEDBACK:**

User Feedback #1:

Janet Tran, 20, Undergraduate Student\*

- Less than once a week
- 4, when changing the subscription plan I was confused why it made me reselect my sports
- I don't watch too much sports, so customizing a newsfeed would be useless to me. I wish all the buttons worked, but that's not a big issue. Maybe add a feature to show the daily highlight (the most popular clip or something, it seems very basic).

User Feedback #2:

David Weber, 22, Undergraduate Student\*

- Every other day, depending on the season
- 2, the interface was nice and simple. It reminded me of other social media platforms I use.
- I like the idea, it gets straight to the point and it would be a nice app! Logging out took me quite some time to find (maybe make the button larger). When I logged back in, it made me reselect my sports, but that's probably just logistics of the software you used. Maybe add a bookmark page where I can save clips I enjoy because I would assume the news feed changes daily?

User Feedback #3:

Estela Marmolejo-Daher, 21, Undergraduate Student

- Less than once a week, I don't watch sports often
- 3, the interface was straight forward
- I can see the appeal behind this for someone who may scroll through a few Facebook videos in hopes to watch certain videos. How would someone save a video if they wanted to view it later?

User Feedback #4:

Lobna Alsrraj, 20, Undergraduate Student

- Less than once a week
- 4, struggled with finding the preferences page
- Discussed that the prototype itself had a simple interface but was confused as to how to find certain pages.

User Feedback #5:

James Fitzgerald, 27, Systems Developer

- Every other day
- 1, everything was straightforward
- The idea is nice but I would still stick to other options such as reddit. Customizing our own highlight is nice but it's too much work to set filters and select sports and athletes each time.

User Feedback #6:

Matt Hong, 23, Software Engineer

- Daily
- 1, the tasks were really easy

- I enjoy browsing through a ton of short clips and could definitely appreciate it streamlined into one place. I think the filter highlight option would be convenient for someone who was away for a set period of time and would like to catch up on highlights during that time. I think usability can be improved by implementing swiping in highlights page so I can quickly skip boring highlights and maybe save the good ones.

#### User Feedback #7:

Isaiah Jones, 21, Undergraduate Student

- Daily
- 2, intuitive, very little effort required
- It is straight forward. Although, if you were to list all the NFL players it would take forever to scroll through to find your favorites.

#### User Feedback #8:

Nick Erokhin, 22, Software Engineer

- Less than once a week
- 3, a small amount of reading required but still easy to use
- The app seemed very familiar. The sandwich feature could have some more options to add teams or players to your highlight feed.

**\*When conducting these interviews, we realized we linked certain buttons incorrectly and went back to make small revisions afterwards.**

#### **CONTRIBUTIONS:**

Joshua Paup – compiled all user feedbacks into one single document, created the login and sign up pages, created the submit highlights page, co-wrote final PDF with Drew

Jason Hong – helped conduct feedback interviews, created the filter pages, co-created the homepage with Jake, co-created sandwich button and sandwich page with Jake

Jake Tran – helped conduct feedback interviews, created the dashboard comments, co-created the homepage with Jason, co-created sandwich button and sandwich page with Jason

Drew Casner – helped conduct feedback interviews, created the change membership page, created the change sports preferences pages, co-wrote final PDF with Joshua

#### **FUTURE CHANGES AND REVISIONS:**

Before submitting the final product, we will take into consideration the idea of reintroducing the 'Favorites page' within the sandwich button. Removing the favorites page from the initial prototype was a hindsight mistake we made, and will reintroduce it again.

We may pursue ways to simplify the filter or preference pages since that was another issue that was brought up.