- Please describe the most complex user interface you've developed in a professional capacity, providing details in terms of display elements and user interactions. It's fine to speak abstractly about data and overall purpose if you're not able to disclose those details for the project in question.
  - What were your greatest challenges in developing this interface? How were you able to overcome these challenges?

**Answer:** The largest project we tackled at QwikCut was our main platform that provided a Youtube-like experience for Highschool and Club sports. That screen/view entailed a video player (Video.js) on 2/3rd of the screen and panels and tables used as folders to show Game information and video clips under each Game on the last third. We used Bootstrap 3 and Angular 5 to build this out and with the "My Video" screen we also built a bunch of other views included:

- My Team - A table detailing all team members and useful information for team admins and contact information for coaches which could be updated and edited
- My Highlights - A highlight video player editor built using sliders to set ins and outs for video clip cuts also include svg for telestrations for added arrows and circles onto video cuts
- Social Media - A very simple instagram like view were you could see Players and Teams in your Conference uploading there created highlights or any videos/photos which could be liked and commented on or shared to other social media (Facebook, Twitter)
- Admin Tools - A set of 15+ tools for interactions with our databases that included users management, teams management, conferences management, and many other conveniences including sending email blast and tracking users analytics

In terms of the greatest challenges I faced, in the beginning, we were heavily geared towards Football and the needs of those coaches and players. In terms of shop-talk, Football wanted individuals 20-30 seconds for each down/play. Between me and the other developer we got feedback from coaches and designed the best system we could to meet their needs similar to what mentioned above. After a bit of success, we wanted to expand to other sports: Soccer, Baseball, Rugby. This meant redesigning the "My Video" UI to encompass all those sports which each had their own individual needs such as easier statistics tracking, and overall scores tables and percentages, a different organization of video clips, and even separate video controls for jump to certain locations in the video clip. With all this in mind we really had to go back to the drawing board and rethnik a better way to include everything our users wanted. In my time at QwikCut we made a lot of changes and scraped things that didn't work and what we built in the end I am very proud of.

- Please provide a short overview of your experience and comfort level with each of the following:
  - Modern JavaScript
  - React
  - Responsive / mobile-first CSS
  - SASS / preprocessed CSS
  - Client-side interactions with REST APIs

  **Answer:** In all honestly I feel very comfortable with all those mentioned above.
  **Modern Javascript**: TypeScript and ES6 are my bread and butter for javascript development
  **React:** I really enjoyed learning React and its design principles. The learning curve for React was interesting and it gave me a very deep and board understand of React's ecosystem
  **Responsive CSS:** While developing the original platform we did a web first design with the idea that would build a companion application. That being said, since we choose Bootstrap as part of our framework the final product worked incredibly well on a mobile device
  **SASS / preprocessed CSS:** Since we did use Bootstrap I did learn a lot of CSS functionality and had learned some SASS concepts.
  **Client REST API interaction:** Being a full stack developer I was able to build my own APIs for any situation that a client interaction would need. I have a very strong understanding of these interactions and what it means to build an API.

- Are you able to provide code for a project using React that you feel accurately represents your skill set? (This is helpful but not required.)

  https://play.google.com/store/apps/details?id=com.qwikcut.access&hl=en_US

  **Answer:** This is the link to the production App built in React Native. I personally had set up this project with Redux, Sagas, and React Navigation. Between me and another developer we built this app in its entirety using that backend API we originally built for the web platform. I can describe any part of this application and can provide code snippets in cases where you would like to see something specific.

- Would you feel comfortable writing a basic React app and tackling basic logic questions during an interview?

  **Answer:** I would be very comfortable writing a React app and answering questions. I recently decided to build my own website/portfolio in my time unemployed in React using a blog boilerplate from github. I have also been learning a bunch of newer React concepts such as Hooks and I have really enjoyed the move from Angular to React.

- What do you enjoy most and least about your work?

  **Answer:** The worst part about my time QwikCut was the lack of directions at times. It comes with the territory of a small startup but I think having a clear thought out concept is very

important. A lot of times we went off the feedback we received and the general ideas of the owner. While this did lead to a lot of creative freedom it has caused issues where everyone had a different vision on the design of the UI.

From that though, absolutely what I enjoyed the most about my work was the creative freedom and being a part of every single design process from managing the databases, to building the backend APIs, and to designing the front-end UI as a Full Stack Developer would do. The entire process of building a Web App is thrilling experience from the start and conceptualization, to the building and design decision making, and then to the maintaining and improving aspects of the process.

- What do you feel is your greatest strength?

  **Answer:** My greatest strength is my ability to adapt to new environments, challenges, and situations. The loose knit environment of a small startup with, in essence, a lot of uncertainty, has taught me how to adapt and overcome all sorts of issues from debugging problems, to handling user feedback, and understanding that things can change quickly and that you must adapt the best way you can to succeed.

  I do really enjoy coding and couldn't see myself in any other career. I have very strong communication skills and excel in the collaborative process. With all these combined I think I have become an experienced developer with a bright career ahead of me. I am very thankful for the opportunity QwikCut has given and I am looking forward to continuing learning and developing my skill sets.