

## Part 1: Website description

The purpose of my website is to create an interactive tool for users to practice interview behavioral questions, in order to prepare them for behavioral job interviews. I wanted to design a web tool that allows users to practice interview questions without feeling heavily burdened or stressed, which is achieved through aesthetic interactive designs. The website allows users to customize questions based on the type of profession/job role and their desired practice amounts, and gather a random list of questions for them to practice from what's available in the js database.

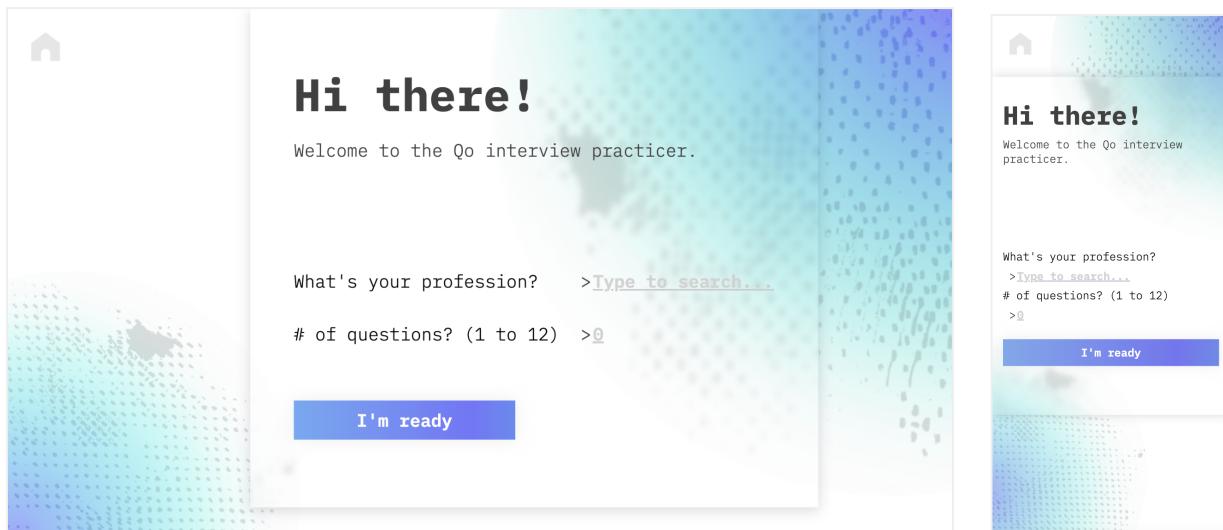
The tool allows them to practice freely, save any questions to a saved list if they'd like to review them again later, turn on camera to practice by seeing their own face, and also get hints or useful tips. They can also see sample answers if they don't know how to respond to this question. The tool is intended to provide information that helps them prepare in a professional yet calming way. Through animations and design aesthetics, the tool is visually appealing and engaging with various features.

The target audience would be anyone who's interested in practicing for job interviews. Currently the js database only includes 6 jobs from tech and design related industries, but the database can be expanded for the tool to be more powerful and useful to users of other industries.

## Part 2: Interaction descriptions

Screen sizes:

- desktop: 1176x651
- phone: 390 x 844 (or select "iPhone 12 Pro" in "Dimensions' dropdown in the inspect view).
  - Might have to refresh between sizes to update the correct stylings.



Setting up: type in profession

- Here the users can type in the profession they want to practice, to see if it's in the database. If you see your profession in the auto-complete dropdown, it's in the database.
- Current professions that are available: "Product Designer", "Data Scientist", "Software Engineer", "Product Manager", "UX Designer", "UX Researcher". Start typing and select any of these 6 would be good to go.

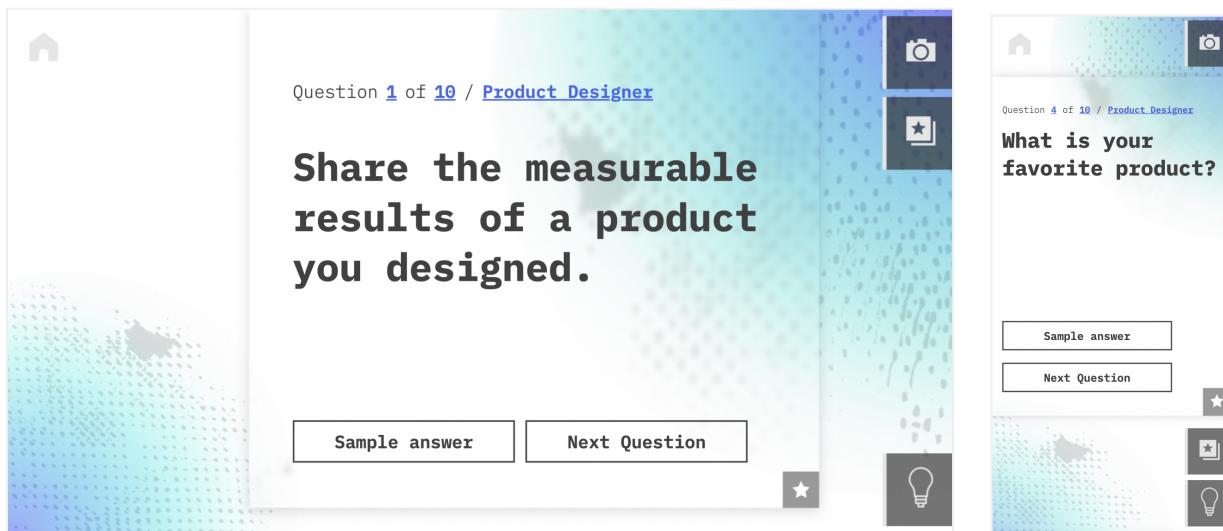
- Note: the auto-dropdown list sometimes behaves weird where you have to click multiple times for the dropdown to disappear. I didn't get to fully debug this before this assignment submission, but it shouldn't hugely impact the interaction. (if the dropdown doesn't go away, just keep clicking)
- If you type in something other than these 6 professions, there will be an error message to prompt you to try another profession.

Setting up: type in amount of questions to practice

- Here the users can type in the amount of questions they want to practice.
- Key in a number between 1 to 12 (inclusive).
- If you type in something outside of this bound, there will be an error message to prompt you to key in a workable number.

Setting up: start

- Here the users can start practicing after they've keyed in the two setup inputs.
- Simply press "I'm ready" to start.
- There will be an error check after you click the button, if the inputs are not compliant then the web tool won't move forward.



Practice: next question

- Here the users can click to go to the next question if they want to move on.
- Simply press "next question" to go to next.
- If you're on the last question of the list, then the next question will be hidden to show that your current practice set is completed.

Practice: get a hint

- Here the users can get a hint if they need help with current questions.
- Press the lightbulb icon button at the bottom right corner to get a random hint.
- Every time you click the button a new hint will be shown, but the hint will only show for 5 seconds and then fade out.

Practice: save question to saved list

- Here the users can save the current question to the saved list if they want to review it again later.
- Press the star button at the bottom right corner of the dropdown, when it's saved it will turn yellow.

- Currently you can't unsave a question directly by clicking on it again: have to go to the saved list to delete it. (ideas for improvement)

Practice: turn camera on

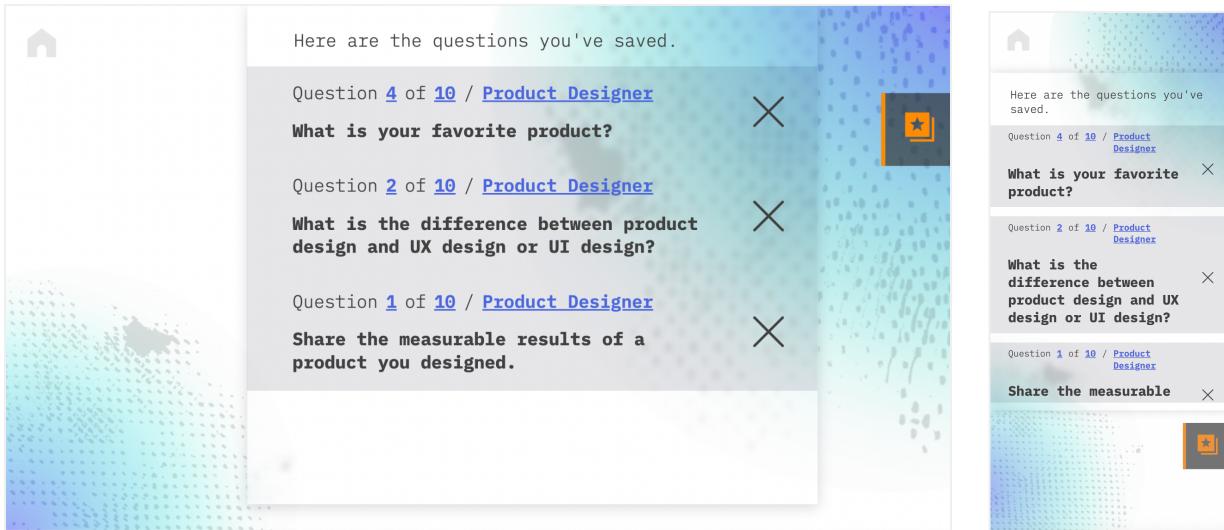
- Here the users can turn the camera on if they want to practice while looking at how they look.
- Press the camera button on the top right corner to turn the camera on. The first time will prompt you for permission, click accept.
- Camera button will be yellow if the camera is on. Press the camera button again to turn the camera off.

Practice: view sample answer

- Here the users can view the sample answer for this question if they want extra help.
- Press the “sample answer” button, sample answer text will pop up.
- If you click the button, it will change to “hide answer”. Click the button again and the sample answer will be hidden.

Practice: open saved questions list

- Here the users can look at the questions they've saved.
- Press the stacked star button on the right side of the screen to go to the saved questions list. The button will change to gold, indicating you're currently viewing the saved questions list.
- If you click the button again when you're at the saved question list, you will “close” the questions list and go back to the practice question you were at before.



Saved questions list: delete question

- Here the users can delete questions that they no longer need.
- Press the “x” button corresponding to each question to delete them.
- Currently cannot be undeleted. (idea for improvement, have a prompt to confirm their deletion)
- Currently cannot delete all. (idea for improvement)

### Part 3: External Tools

- Name of tool
- Why you chose to use it? (2-4 sentences max)
- How you used it? (2-4 sentences max)

- What does it add to your website? (2-4 sentences max)

#### Animate.css

- I decided to use animate.css because I had to animate certain elements of my web tool (mainly as a visual response to user inputs and make it visually seem appealing). It seemed easy to work with so I decided to use this tool.
- I mainly used animate.css in my js files after event handlers (such as when users click I'm ready, the setup content will slide up, and other information will slide in: practice content slide in from top, buttons slide in from right).
- It makes my website more visually appealing, but it also helps to give user feedback to see their input being reflected on the webpage.

#### Google font API (IBM Plex Mono)

- In my figma prototype I decided to use IBM Plex Mono as the font for my webpage for aesthetic reasons (and echoing the styles for the tech + design industry), but the font wasn't readily available. Thus I had to use the google font API.
- I used the API link in my html pages, and specified the font weights to 300, 600 and 700, the three font styles I needed for my webpage.
- This API makes me accurately represent the design I had in my figma file.

#### Mediadevices.getUserMedia() API

- In order to use the camera feature while users are practicing, I had to utilize the getUserMedia API in my javascript file. This will make the users be able to turn on cameras and practice while looking at themselves.
- In my javascript file, when users click the camera button, I will use getUserMedia API to stream the video and append it to the div I had set-up in the html file.
- This API makes my web tool more interactive and engaging. It's a nice feature to have while you're practicing to just see how you are looking visually in front of the camera (which will be seen by the interviewer).

### **Part 4: Iterate process**

My original design had some more features that I didn't have time to implement in this version, including the timer as well as the "practice again" for your saved questions.

As for the timer, one of the feedbacks I received in the UT was that it could cause stress to the users. Thus I decided to focus on other features (which are useful and don't cause more stress), rather than trying to squeeze in time for the timer, which is not that important in reality while you're interviewing.

For the "practice again", again it's one feature that I would include, but not as important as other features that I would like to spend more time on to refine. The concept of "practice again" is also quite complicated: does it mean to add this question to current practice flow? Or does it mean to temporarily pause the current practice flow and just practice this question? This would be a feature that I would think about later on, but perhaps not for this assignment.

### **Part 5: Challenges experienced**

The main challenge I experienced was coding what I envisioned in my head (and what I designed in figma file) to a live website. Since I have little programming experience, it would take me quite a while to figure out the specific elements of things I need to include. There were also features that I wasn't able to fully convert the code to my usual "coding style" due to its complexity and my coding skills.

However, I broke down all the details that I needed to address/fix/debug along the way and worked my way through to realize what I envisioned. I didn't need any extra help from others (such as TAs) to complete this assignment.

## Appendix: Accessibility checks

The following apply to the entire page:

**Hi there!**

**Welcome to the Qo interview practicer.**

What's your profession? **Type to search...**

# of questions? (1 to 12)

I'm ready </> Code

Alerts: 1 X No page regions

Features: 6 X Alternative text, 1 X Linked image with alternative text, 2 X Form label, 1 X Language

Structural Elements: 4 X Heading level 1

The following apply to the entire page:

Styles: OFF ON

powered by [WebAIM](#)

**Summary**

Errors: 0 | Contrast Errors: 0 | Alerts: 2 | Features: 8 | Structural Elements: 10 | ARIA: 0

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

**h2** **Product**

Question 1 of 10 / Designer

**h1** What type of work or part of the design process do you not enjoy doing?

[Sample answer](#) [Next Question](#)

 Code



The following apply to the entire page:

Styles: OFF ON

powered by [WebAIM](#)

**Details**

Alerts: 2 | Features: 8 | Structural Elements: 10

No page regions (1) | Skipped heading level (1)

Alternative text (6) | Linked image with alternative text (1)

Language (1)

Heading level 1 (1)

**h2** **Product**

Question 1 of 10 / Designer

**h1** What type of work or part of the design process do you not enjoy doing?

[Sample answer](#) [Next Question](#)

 Code



The following apply to the entire page:

Styles: OFF ON

powered by WebAIM

**Summary**

Errors: 0 Contrast Errors: 0

Alerts: 1 Features: 8

Structural Elements: 22 ARIA: 0

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

**h2** Here are the questions you've saved.

**h2** **h2** **h2** **h2** **h2** **h2** **Product**  
Question 3 of 10 / Designer

**h1** How do you approach making user personas?

**h2** **h2** **h2** **h2** **h2** **h2** **Product**  
Question 2 of 10 / Designer

**h1** Why do you want this product design job?

**h2** **h2** **h2** **h2** **h2** **h2** **Product**  
Question 1 of 10 / Designer

[remove question from saved list](#) [remove question from saved list](#) [remove question from saved list](#)

</> Code

The following apply to the entire page:

Styles: OFF ON

powered by WebAIM

**Details**

Alerts: 1

No page regions: 1

Features: 8

Alternative text: 6 X Alternative text (6 icons)

Linked image with alternative text: 1 X Linked image with alternative text (1 icon)

Language: 1 X Language (1 icon)

Structural Elements: 22

Heading level 1: 3 X Heading level 1 (3 icons)

Heading level 2: 19 X Heading level 2 (19 icons)

**h2** Here are the questions you've saved.

**h2** **h2** **h2** **h2** **h2** **h2** **Product**  
Question 3 of 10 / Designer

**h1** How do you approach making user personas?

**h2** **h2** **h2** **h2** **h2** **h2** **Product**  
Question 2 of 10 / Designer

**h1** Why do you want this product design job?

**h2** **h2** **h2** **h2** **h2** **h2** **Product**  
Question 1 of 10 / Designer

[remove question from saved list](#) [remove question from saved list](#) [remove question from saved list](#)

</> Code