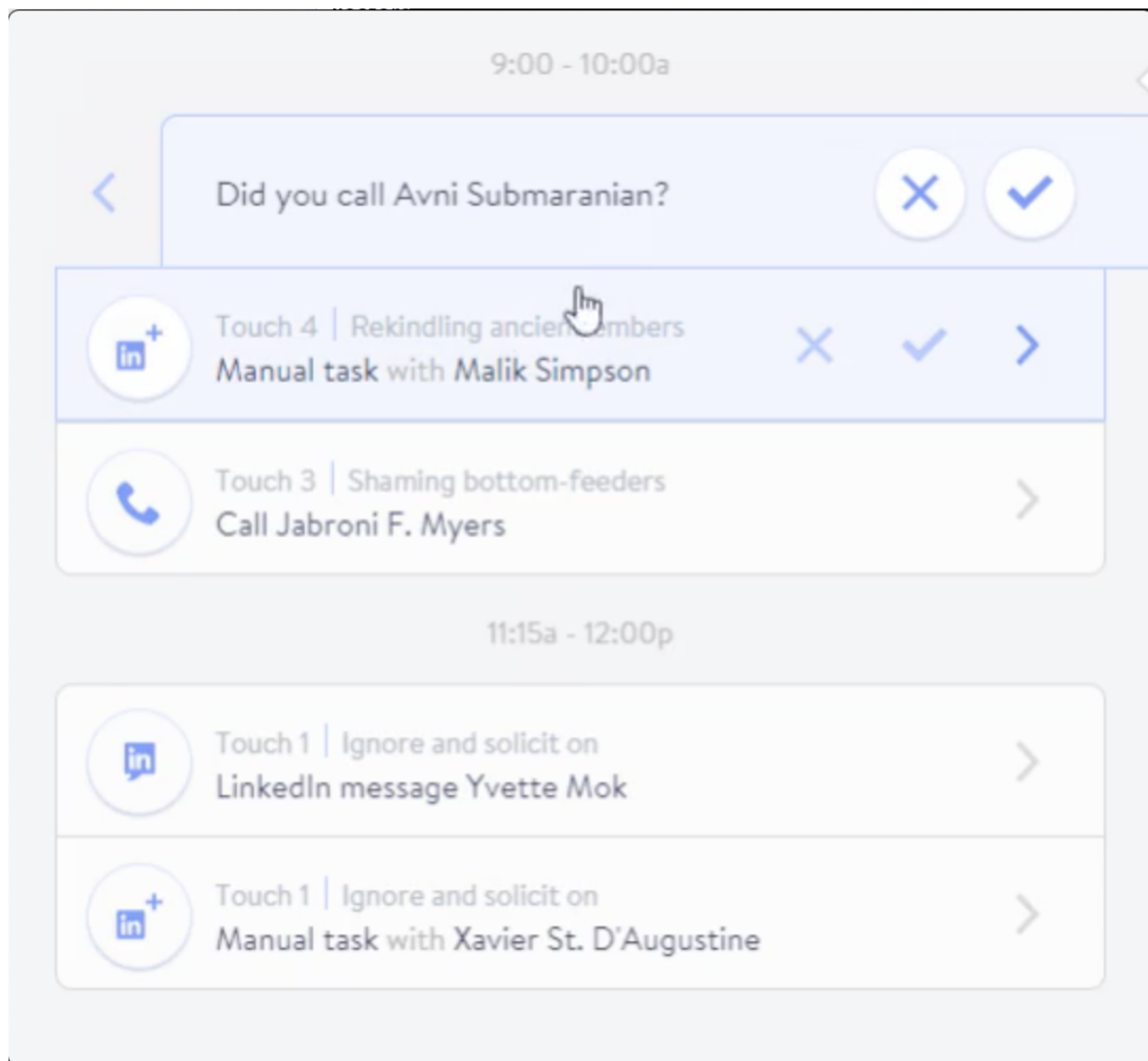


Strive Frontend Software Engineer Coding Challenge

Rather than have you complete a complex whiteboarding technical interview, we'd like to challenge you to do something more representative of life at a start-up: try to quickly replicate a mock up.

Coding Challenge

Recreate an animated interface from a web application. [A small video can be found here.](#)



The video above contains a small user interface - with a couple of different elements. Some things to notice:

1. There are multiple blocks of time, 9:00 - 10:00a and 11:15a - 12:00p - each “containing” a set of tasks
2. Multiple different types of tasks, with different icons
3. State changes, for example the text change on click
4. Hover styling

Your goal(s) are to (in order of importance)

1. Recreate the visual design as closely as possible
2. Structure your code well, so that elements of the design can be changed over time, with small, clear changes
3. Recreate the “runtime” behaviors, such as hover states and animations.

Things you will be evaluated on:

1. Aesthetics
 - a. If you cannot replicate the design, how good does your design look?
 - b. If you get to adding animations, does your implementation [create jank](#)?
2. How many elements from the design can you re-create successfully? Some elements are not explicitly stated. How do you account for the different elements? What pieces of code are shared, and which are unique?
3. Can you do simple state management?
4. Code organization, naming and clarity

Things you will not be evaluated on:

1. Saving the state of the application to a backend store/database/etc.
2. No need to worry about the “Touch N” from the mock up

If you so desire, you can model the domain with the state management libraries you choose.

Bonus Points

If you are able to recreate the visual design in less than the time allotted, we’d love to see if you can take it further with

1. Hover states
2. Support for different screen sizes
3. Animations - (shown within the video)
4. Animations
 - a. What happens if you operate on a piece of the list that isn’t at the beginning or the end?

Logistics

You will have 3hr to complete this coding challenge and will be asked to share what you've built when done.

At Strive we use [typescript](#), [react](#), [mobx](#), [jest](#) and [emotion](#), but you are welcome to use any languages and frameworks you are comfortable with, including any off-the-shelf components.

Final Steps

Email the repository to Shane (shane@strive.co).

Add the github user "shanechin" as a collaborator.