Celine Djomoah
Experience and Interaction
Research Document

09/30/2020

First Draft

Abstract

For this application, the goal of the user will be to access data relating to their exposure to SARS CoV2 in their respective county by examining demographic graph data and other population information. More specifically, the user will be able to learn of their possible exposures to COVID-19 as well as the area of those affected in relation to the user. Furthermore, the user will be able to input their own personal data to aid in building the database of people who are affected by SARS CoV2. The overall objective focuses on implementing a system that effectively communicates changing population data with three screens and a maximum of seven actionable items which are easy to use. The information for this app will be gathered through data from the Center of Disease and Control (CDC), state and local health agencies and hospitals, and population data from the Census Bureau. It will also be collected by self-reporting which will contribute to the demographic and population data.

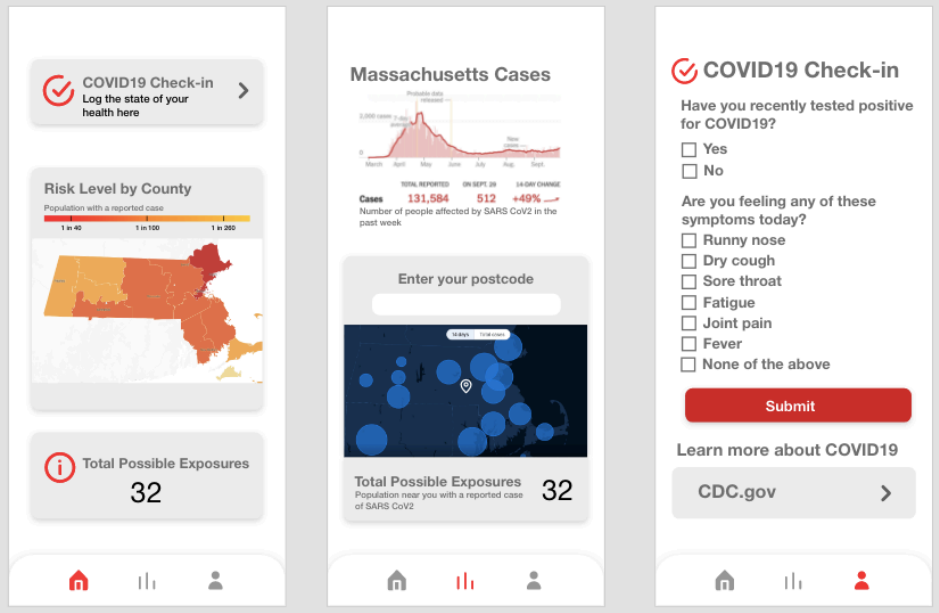
Marvel Link — Rough Draft

https://marvelapp.com/prototype/5ec016f

Adobe XD Link — Rough Draft

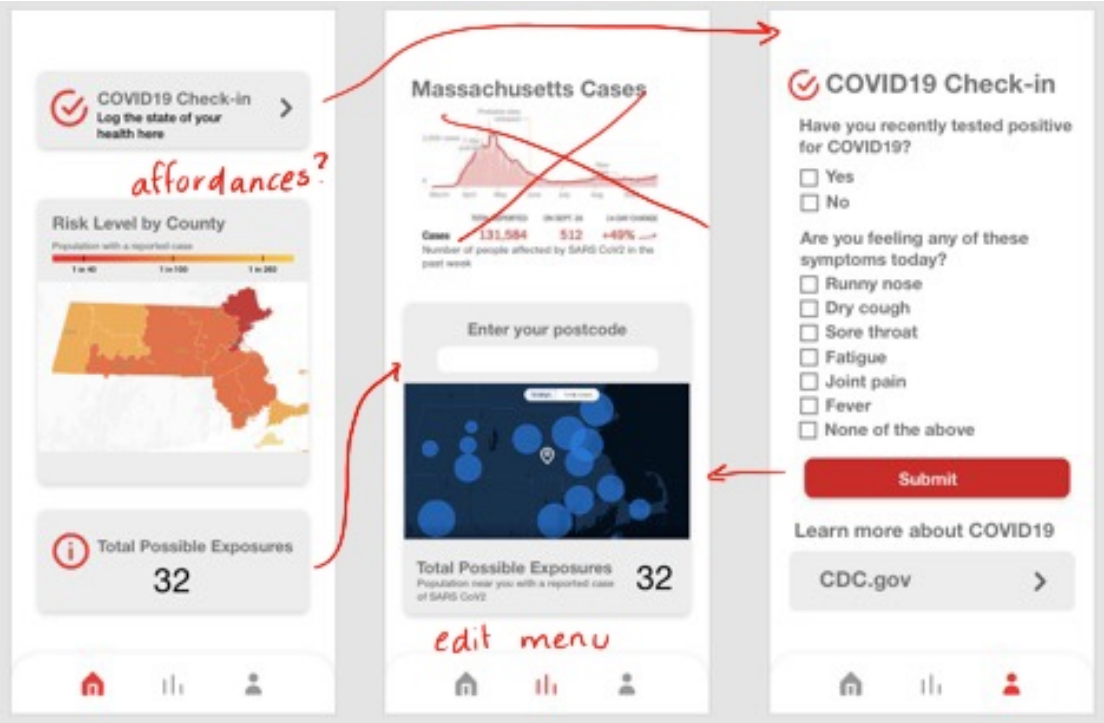
https://xd.adobe.com/view/93c5d0d2-3e29-485c-8118-be69b364754b-c696/?fullscreen&hints=off

Current interface — Rough Draft



Observations in User Testing of Rough Draft

- user has trouble following navigation of application
- screens may not be in best order for proper navigation
- colors should be more uniform for easier viewing
- total possible exposure tab is effective but could be improved with risk factors based on status of inputted help
- COVID19 check in screen should be more of an introductory screen rather than current home page
- overall design could be improved upon
- could be more precise on user location and compare that in relation to other locations
- could provide more detail on exposure index
- cases graph doesn't correlate to rest of data



Questions for Next Prototype

- how to highlight risk based on current state of health
- how to highlight level of infection in area
- how to provide better navigation and affordances through rollover and interactions
- how to make application more convenient and consistent for the user through design
- how to have clearer signifiers

10/07/2020

Revised Draft

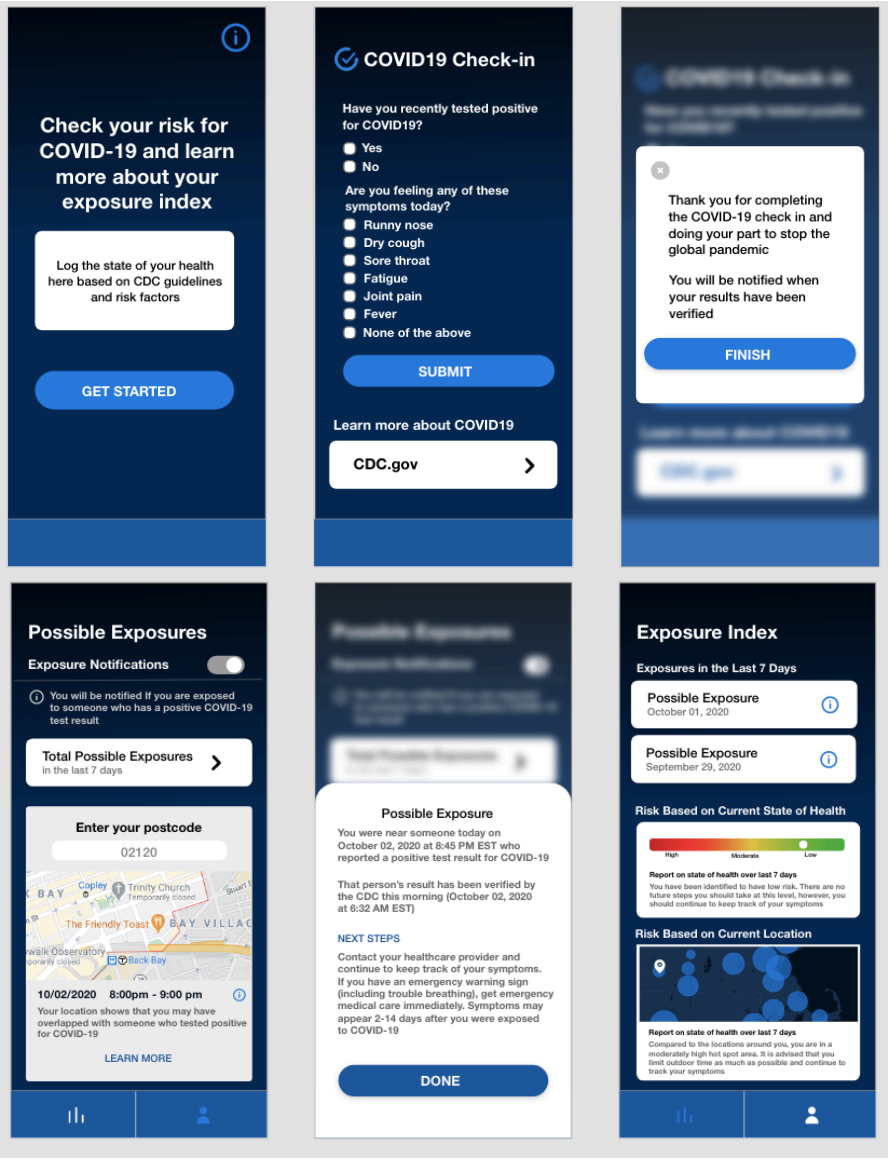
Adobe XD Link — Revised Draft

https://xd.adobe.com/view/939d305f-718a-4c6b-ba4a-c27b9c429553-c6ce/?fullscreen&hints=off

Revisions Made

- new interface design for uniform color
- roll-overs added for icons for improved affordances
- CoV2 screen as an initial pop-up screen
- possible exposures page re-designed for better navigation
- can view risk based on current health and risk based on location as separate variables
- more detailed exposure index

Current interface — Revised Draft



Observations in User Testing of Revised Draft

- discovered that there is better navigation in moving through the app
- icons are becoming more clear and suggest proper affordances (ie. information icon suggests information screen and has rollover feature implying it can be clicked)
- design is uniform
- pop-up screen after completing questionnaire gives good feedback on task completed and allows user to move past it

Next Questions for Future Prototype

- how to link icon to outside screen such as browser for CDC website (EDIT: feature to import/ hyperlink external links has not been implemented in Adobe XD yet)

10/14/2020 Revised Draft 2

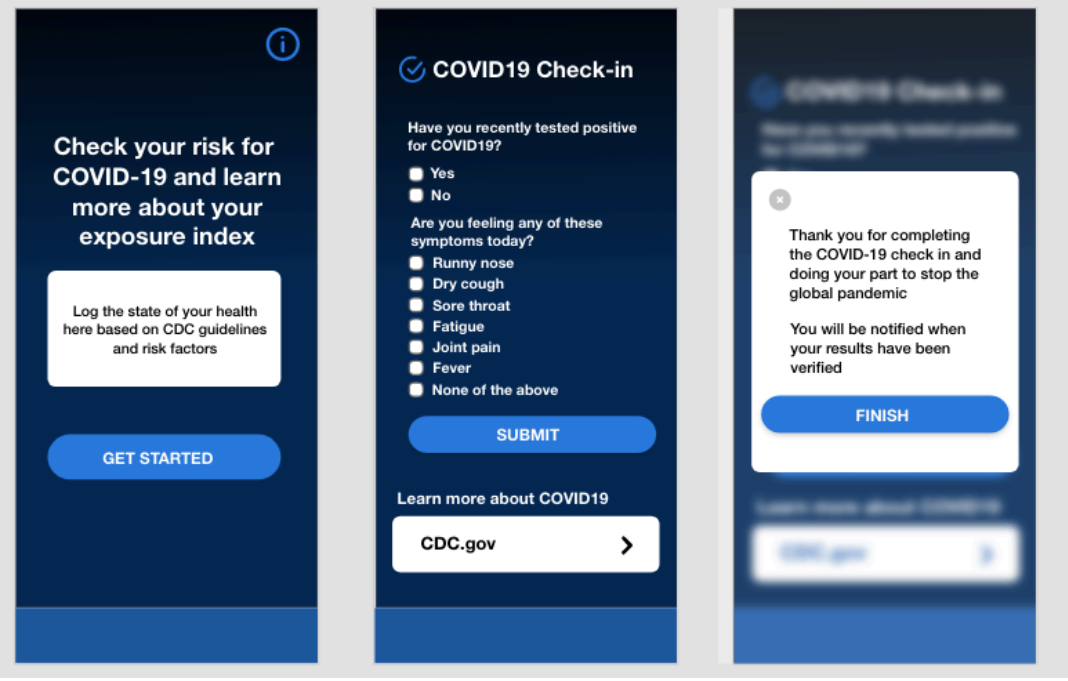
Adobe XD Link — Revised Draft 2

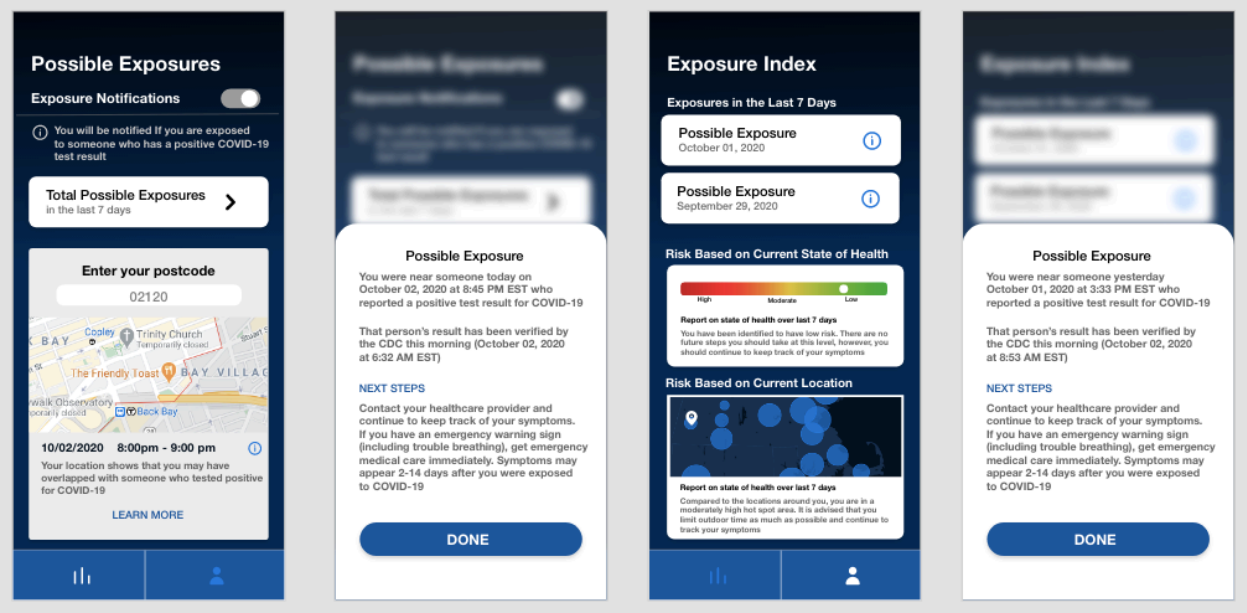
https://xd.adobe.com/view/939d305f-718a-4c6b-ba4a-c27b9c429553-c6ce/?fullscreen&hints=off

Revisions Made

- implemented more features such as drag down on information pop up
- implemented more rollover features through hover states
- check-list updated for ability to be clicked to be checked or unchecked in CoV2 SARS check in screen
- affordances and signifiers are more clear and navigation is easier to follow

Revised Interface





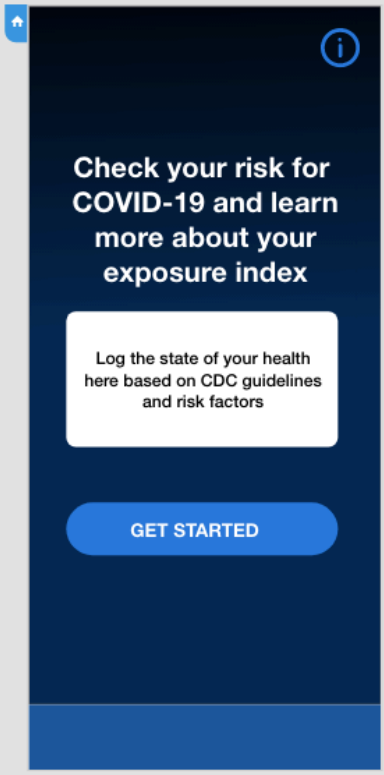
10/19/2020 Final Draft

Adobe XD Link — Final Draft
https://xd.adobe.com/view/058c5452-22d1-4856-8315-8d0915551921-50df/?fullscreen&hints=off

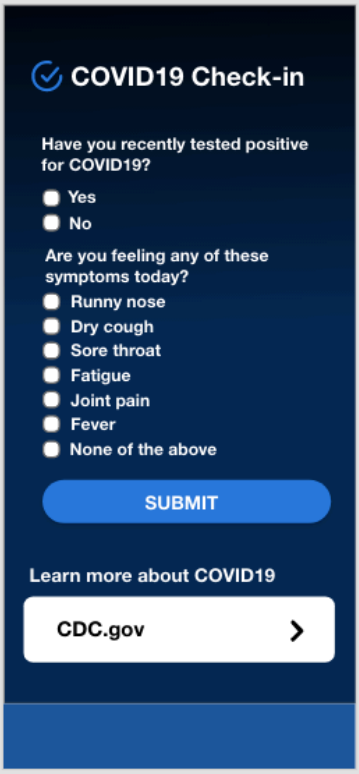
Observations in User Testing of Last Draft
- information seemed to be too congested on page
- would prefer a third page for map exposure view
- repeat pathways are not necessary

Revisions Made
- removed repeat signifiers in interface such as info symbol and “LEARN MORE” tag
- implemented more rollover features through hover states
- third page implemented for large scale view of exposures
- affordances and signifiers are more clear and navigation is easier to follow

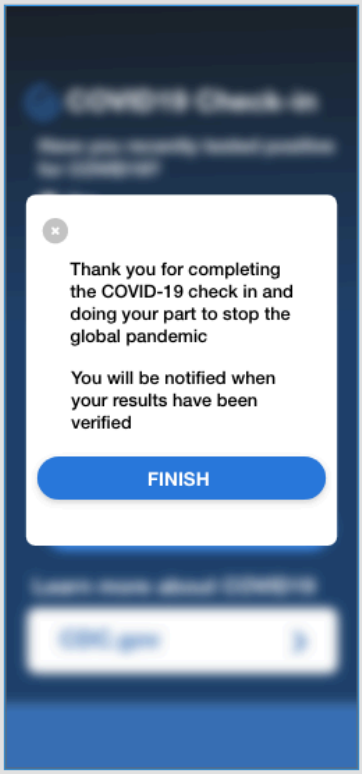
Home Entry Screen



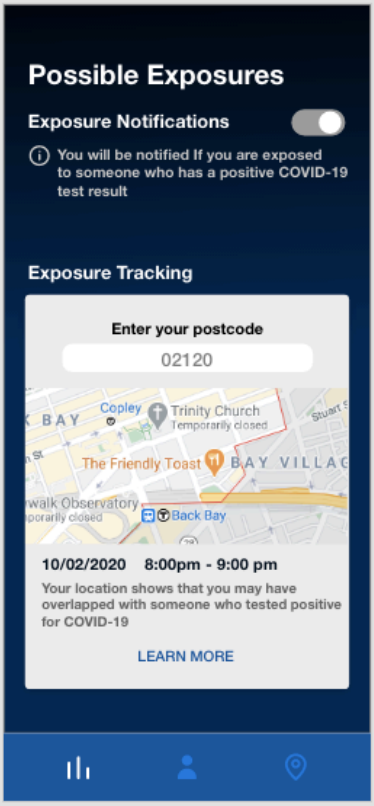
Check in Screen



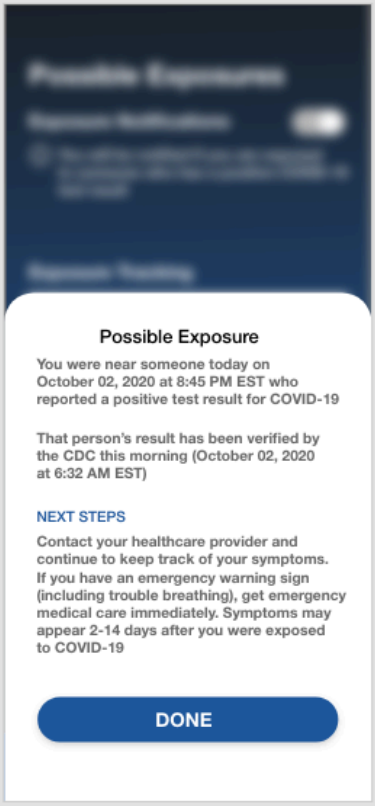
Pop up Screen 1



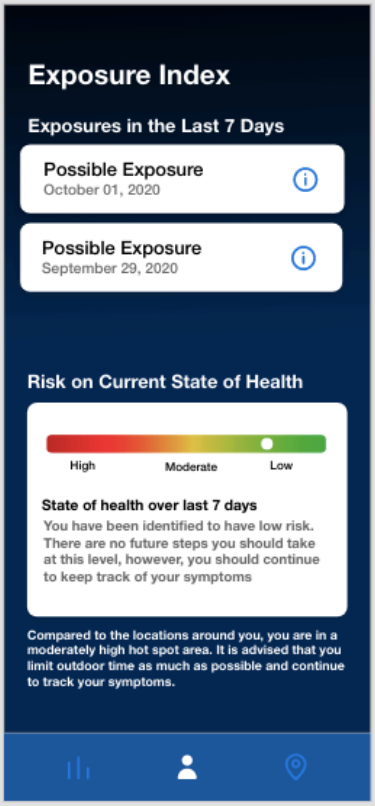
Exposure Screen 1



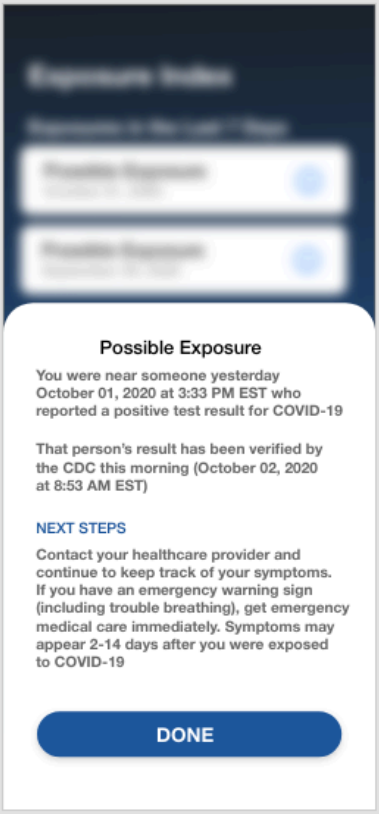
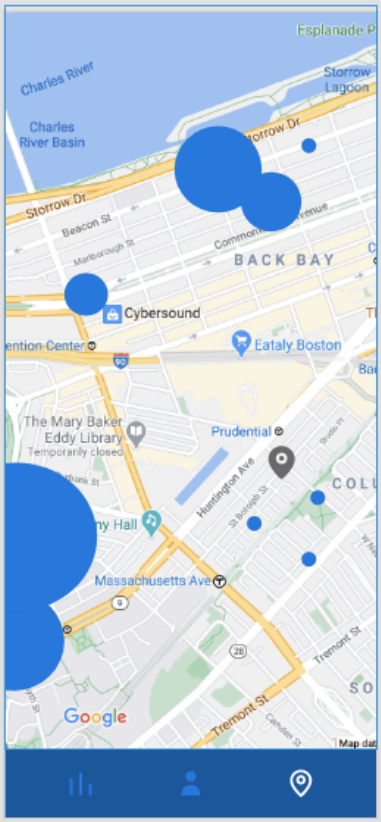
Pop up Screen 2



Exposure Screen 2



Pop up Screen 3



Exposure Screen 3