Question Sets and Protocols

1.0: Email Instructions:

<u>1.1: Consent Email:</u>
Greetings,

Thank you for agreeing to take part in the data gathering phase of the development of the DIVOC system, an interactive interface which attempts to provide its users with resources they need to create a sense of normalcy during this unprecedented time. We sincerely appreciate your contribution in this matter and hope to better understand your needs through this short questionnaire/survey to create an end product which will be beneficial to the society as a whole.

In order to ensure that your data is protected, we ask that you complete the consent form. Once completed, you will be emailed with your unique identifier as well as a link to the questionnaire. This form outlines the purpose and mission of this project, maintaining your user privacy to the best of our abilities, and general questions regarding the research. Please read through all aspects of the form and complete by typing your full name at the bottom. This will serve as an online signature.

[Launch the Consent Form Here](#)

Sincerely,
Brandin Bulicki and Harsh Sharma
DIVOC System

If you have any questions, feel free to reach out to the following individuals:
    Harsh Sharma: hs627@drexel.edu
    Brandin Bulicki: bjb366@drexel.edu

<u>Questionnaire Email:</u>
Greetings,

Once again, thank you for agreeing to take part in the data gathering phase of the development of the DIVOC system. We sincerely appreciate your contribution in this matter and hope to better understand your needs through this short questionnaire/survey to create an end product which will be beneficial to the society as a whole.

As part of the data collecting you will be partaking in the questionnaire. Please complete the questionnaire to the best of your ability. **Please note, while** you are not required to answer all

the questions, we would appreciate it if you can provide us with as much information as possible. **It would be greatly appreciated if you can complete the survey by 7th May 2020 (11:59 PM EDT) so that we can begin analysis of the data.**

Your participation is very valuable to us and we would make the most out of it by creating an interactive interface that can help those affected by this virus. Thank you for your participation!

Click here to launch the survey

YOUR UNIQUE ID IS: _____

If you have any questions, feel free to reach out to the following individuals:
- Harsh Sharma: hs627@drexel.edu
- Brandin Bulicki: bjb366@drexel.edu

Sincerely,
Harsh and Brandin

Interview Email:
Greetings,

Once again, thank you for agreeing to take part in the data gathering phase of the development of the DIVOC system, an interactive interface which attempts to provide its users with resources they need to create a sense of normalcy during this unprecedented time with the COVID-19. We sincerely appreciate your contribution in this matter and hope to better understand your needs through this short written interview to create an end product which will be beneficial to the society as a whole.

As part of the data collecting you will be partaking in an interview with one of our researchers. Please respond to this email with your availability for Wednesday, May 6th to Friday, May 8th as well as your best means of participating in the interview (ie. phone, video chat, zoom, etc.). Please also note if you are not currently in EDT. One of our researchers will respond with a time and date to conduct your interview.

Your participation is very valuable to us and we would make the most out of it by creating an interactive interface that can help those affected by this virus. Thank you for your participation!

YOUR UNIQUE ID IS: _____

If you have any questions, feel free to reach out to the following individuals:
- Harsh Sharma: hs627@drexel.edu
- Brandin Bulicki: bjb366@drexel.edu

Sincerely,
Harsh and Brandin

2.0: Interview Question Sets:

Background Information Set:
- Age?
- Sex?
- Current Location?
- Occupation?

2.1: General Public Set:
- What sort of problems do you face on a daily basis with regards to the coronavirus? How has it limited your interactions with others or specific activities in your daily routine? What are some examples?
- What are your sources of information regarding the COVID-19 pandemic? How often do you view these sources?
- Why would you use a COVID-19 app? Select all or any that apply. If others come to mind, feel free to list those in the text box provided.
- Prior to the restrictions were you employed?
- Are you currently employed?
  - Is your current work classified as essential?
  - How has the pandemic affected your work experience?
- What do you wish you could do while still quarantined that you currently are not able to do with current technology? How can the system be enhanced enough to provide better user interactions than those that currently exist?
- In this system, we are planning to include two user groups (the public and healthcare workers). In your view, what sort of features or interactions with healthcare workers would be beneficial for the public to engage in?
- Is there anything else you would like to mention or point out that we haven't given you a chance to cover? If so, please mention that below.

2.2: Doctors and Healthcare Workers Set:

- In your opinion, what are some of the most frustrating aspects from your daily work with coronavirus research or treatment? Is there anything for which an interactive user interface or system can be used to better serve the processes or make your job easier?
- As a medical professional, what do you expect out of this system? What would be the most useful to you?
- Would it be desirable to provide doctors with the features to upload approved patient information data onto the system to better spread the knowledge of the virus amongst other doctors to support medical research?
- Do you think that the current COVID-19 systems in place support interactions between doctors or medical professionals? If not, how can the ability to interact between medical professionals affect the medical community in the pandemic?
- It has been pointed out that the inclusion of training modules which describe handling of several medical equipment and their usage would be helpful for new healthcare workers joining in. This would reduce the amount of time on training itself which would allow healthcare workers to immediately start directing their work towards patients and providing them with appropriate treatment. Would something like this be of interest to the medical community at this point of time? Why or why not?
- What sort of features can be incorporated from a doctor's point of view to better support interactions within the medical community?
- Do you think there's a possibility of increasing the direct interaction between doctors and the general public (this can consist of informing the public about latest discoveries on the virus or other important information)? Would this be something that is desired to be implemented in the system to connect the doctors and the general public in some ways?
- Is there anything that you would like to mention that hasn't been brought up thus far?