Disaster avoidance Initiative through

Virtual Observation and Contact-tracing

(DIVOC)

**Description of Problem:**

Based the recent events occurring from the coronavirus outbreak, many Americans have been forced from their normal lives into one of isolation and social distancing. Due to the severity of this outbreak, it becomes of the utmost importance to approach this issue and attempt to solve the problems by providing people with information regarding the spread of this virus through contact-tracing. With the Disaster avoidance Initiative through Virtual Observation and Contact-tracing (DIVOC) app, those affected from the pandemic will be able to maintain a sense of safety when conducting their lives.

**Description of Users:**

The intended user of this application are those people currently residing in the United States who are between the ages of 18 and 40. As different countries have different means of monitoring the spread of the COVID-19 pandemic, it is most efficient to, as a current resident of the United States, to limit use of this application to this domain. Additionally, as the application will allow for the sharing of semi-sensitive information, we will require all users to be of adult age in order to access this application. In limiting the use of the DIVOC application to these criteria, we can best produce a positive experience when using the application.

**Description of System:**

The DIVOC Application will provide users with the ability to feel more secure when navigating the uncertain climate. Users will be able to monitor exposure risks. This will include the ability to see what other individuals may have been exposed to the virus. Users will be able to create a profile and determine what information is shared with the public and edit previously provided information. User provided information will include the locations and times when a user visited a public location. These features will allow users to view which individual interactions could have exposed them to the covid virus.