**Requirements for PoC:**

* Protect personal information (HIPAA)
* Protect Students health by timely notifications
  + Send updates to students about positive cases within 24 hours
  + Contact students that came into contact within 2 hours
* No more than a 5 step process to report a positive case
* Personal information is not shared beyond name to the University
* Testing locations are provided to students when notified of positive interaction
* The impact of the application should be University-wide
* How the design/application is unique compared to others

**Assumptions:**

* University data will be shared
  + Class Schedules
  + Student schedules
  + Building/Room Reservations
* The appropriate University official will be using the application
* No public transit will be provided by the University
* University assumptions are based on Northwestern Missouri State University (NWMS)
* Students are honest in their submissions
* The application will be a background process for the majority of the time
* The University is in a State that requires HIPAA information for COVID patients

**Goals**

Short-Term Goals are anything that should be completed in less than a week's time.

Proof of Concept Goals are goals that should be completed by submission on July 22nd at 12pm.

Long-Term Goals are items that would be completed given a complete implementation of the application.

**Short-Term Goals:**

* Create a UX that provides 18-23 year olds a simple and intuitive design, such that reporting cases and non-personal information sharing is efficient.
* Determine a Database Design that will operate in a manner that fits our expectations and requirements.

**Proof of Concept Goals:**

* Provide a Database Design that shows the expectations as to what the database might resemble and what information is required.
* Provide a UX that resembles a mockup that can be walked through to get an understanding of what the application will provide to students.
* Create a sudo operating UI such that a user can get an understanding of how one might alert the University of a positive COVID case, along with what a notification might appear as when the student should be alerted.
* Give multiple examples as to how notifications will be structured for students at the University.

**Long-Term Goals:**

* Provide a solution that can notify close contact individuals within 2 hours of a positive test result being notified to the University.
* Deployment of the application with a University and Student view, such that private information is separated as expected and the University can quickly recognize patterns of transmission and identify the source of the infection.
* Location information shared from the smartphone to provide detailed information as to where individuals were located to better track COVID interactions.