Name: Justin Djojomartono, James Bui, Michelle Her, Sonya Shin

User Requirements:

* The user interacts with the webpages throughout the entire duration of using the Virus Validate website.
* User inputs their personal identification (i.e. Name, address, phone no., etc.) to be verified via typing into a text box.
* After inputting their personal information, the user scrolls through the website to find their scheduled meeting on the webpage.
* After the user finds their scheduled meeting, they must go answer a CDC questionnaire containing a series of yes or no questions, where they click either yes or no to the question.
* After the user submits the questionnaire, the user awaits results on the webpage for a visual indication that they have been validated or not.

System Requirements:

* We will use a web-hosting server such as **WordPress** to host the website
* If WordPress takes too much time to connect with Firebase cloud storage, then we might use different web-hosting server such as **Vercel** after completing work on personal code editor in this case, Visual Studio Code.
* The real-time User Database must be connected to the website to hold user’s inputted information
* The website grabs information from the Meeting Database regarding the meeting’s info (schedule info, list of participants) so that it can be viewed by the user when viewing the scheduling list.
* The web scraper grabs information from the CDC website in regard to being tested for COVID symptoms
* After the user inputs answers from the CDC questionnaire, the security personnel check the answers and verifies whether or not they have COVID

Risk analysis:

* If firebase implementation fails
  + Possible mitigation: Switch to phpMyAdmin or look up a tutorial online or the teammates who are more familiar will pick up the workload for the database
    - Since **MongoDB** is much user-friendly database with easier UI, we can use MongoDB for our website.
  + We can use MySQL workbench to create own database, then use PHP to implement that database to our website.
* None of us have ever implemented a web scraping function before
  + Possible mitigation: Look up how to implement it via a tutorial or just write the questions on a webpage (Last resort)
    - Look up already implemented JavaScript code on GitHub and edit.
* How we evaluate whether a user has been validated via the grading of the questionnaire
  + Possible mitigation: Answer correctly for all possible questions (no answer given will lead to possible COVID symptoms) or give a weighted score based on how substantial each question is (i.e. if the user was sick in the past 2 days, that question would be weighted more importantly than if the user had traveled in the past 10 days)