**Sprint Day 1**

1. Identify the personas/imagined users for the products ([Sommervile pg. 55 (Links to an external site.)](https://www.amazon.com/Engineering-Software-Products-Ian-Sommerville/dp/013521064X/ref=sr_1_4?crid=2P6J7EKB9SHO7&dchild=1&keywords=software+engineering+sommerville&qid=1590377760&sprefix=software+engineering+som%2Caps%2C176&sr=8-4)).
   1. Mark Johnson - Doctor
      1. Mark is a 45 year old doctor who lives in a rural town in PA. He grew up near Pittsburgh and attended Pitt to get his BS eventually moving on to Duke to achieve his Ph. D. After 15 years in the field he had finally settled in and was comfortable when the pandemic hit. With his medical knowledge Mark feels as though he needs to help the general public. He wants to know when and where the major hotspots of this virus are so he can help first responders in the area.
   2. Jane Crowder - Elderly women
      * 1. Jane, aged 74, is a retired teacher and has 8 grandchildren. She lives in Des Moines, Iowa with her husband. She often spends her time out in her garden taking care of her flowers. Jane is not very good with technology so it would be nice to have an easy to use application that is able to give her up to date information about the pandemic in her local area.
   3. Willie Erbantrout - Teacher
      * 1. Willie is a 57 year old history teacher at a high school in Miami. He has been teaching students for 30 years of his life and works on woodcarving in his free time. Willie has been diagnosed with type 2 diabetes for 10 years. Due to his condition, Erbantrout is at risk for developing severe symptoms that could threaten his life. He would like to be able to view hot maps of the areas around him so he knows how to stay safe. He would like the information to be easily accessible to him. He would also like to be able to see how rapidly the virus is spreading in his area.
   4. Jimmy Kane - Professional Kid
      * 1. Jimmy is a 10 year old kid. He has a lot of questions about the corona virus currently, as it is affecting his ability to go outside and hang out with the other kids. He wants to understand what he can do to solve this problem so he can go play outside again. Or gain information to convince his parents that his neighborhood is safe to play again.

1. Identify other stakeholders of the projects (People other than direct users who you could require data or input from or who may indirectly benefit from the product).
   1. Hospitals
   2. Governments
   3. Research Labs

1. Each member of the group should act as an expert for the "Ask the expert section"
2. “How will we import the data for the project?”
   1. Daniel Shapiro - Back End Specialist - We will take in the data as a file. Then using python we will convert the data into individual strings and split them in a way to extract specific data, which we will then hold in lists.
3. “How do we present the data in an organized and efficient way?”
   1. Alexander Steward - Front End Specialist - “The use of html5 and effective white space along with consistent css styling will lead to easy reading even for those who are not very tech savvy”
4. “What kind of graphs will be available for use?”
   1. James White - Data Analyst - We plan on using heat maps and line charts to plot our data points to give an accurate and visual representation of the data.
5. “How do you plan on testing your application?”
   1. Bradley Rice - Test Specialist - Good question, we plan on using an iterative process of constant testing and refactoring of the code after each sprint process.

**GitHub Link for everybody's scenario , user stories, and feature list:**

**Scenario:** A child who wants to go outside and play with his friends, cannot go because of the Covid-19 virus. For him to go outside he decides he will present information to his parents showing him the things he can do to be safe, as well as learn that there are not many cases in his area. So, he conveniently finds a website that displays the information and what he can do to help.

**User Story:** As a kid, I want to learn more about covid-19 hotspots, so I can go outside.

**Features:** Graphs, hotspot map, Area picker, website, information on how to protect from Covid-19 virus.