Minimum Viable Product Plan Vision & Justifications

Product Vision

Instructions: Create a vision for the product. The vision should include the intended target market or population and the outcome you are attempting to achieve.

Product Vision	Our product aims to prevent the spread of the virus and improve public health by providing a comprehensive platform for healthcare professionals, government agencies, and individuals to track and manage outbreaks, access critical data, and make informed decisions. Our target audience is healthcare organizations, government agencies, and individuals who are concerned about public health and want to take proactive measures to prevent the spread of infectious diseases.

Product Roadmap Justifications

Instructions: After creating the product roadmap, choose 1 feature in each phase and provide a simple justification for placing that feature into the phase that you put it in.

Phase	Feature	Justification
1	Develop Web Portal application	Given the urgency of the product, developing a web portal is a simple and effective approach to provide the necessary functionalities for users. A web portal can be accessed easily from any device with an internet connection, making it accessible to a wider audience. Additionally, web development technologies are well-established and readily available, making the development process faster and more cost-effective. By prioritizing the development of a web portal, we can quickly provide users with the tools they need to help stop the spread of the virus and create a safer environment for all.
2	Customizable/Interactive Dashboard with heatmaps, bar charts, and zooming capabilities	The feature "Customizable/Interactive Dashboard with heatmaps, bar charts, and zooming capabilities" is essential in the development of the web portal application. This feature provides an efficient and effective way to display critical data to users, such as health officials, doctors, and patients, who require accurate and timely information to

		make informed decisions. By incorporating heatmaps, bar charts, and zooming capabilities, users can easily visualize data, track outbreaks, and identify potential hotspots. Additionally, this feature allows users to customize the dashboard to suit their specific needs and preferences, enabling them to view only the data that is relevant to them. Overall, the inclusion of this feature in the roadmap will enhance the user experience, improve decision-making capabilities, and ultimately contribute to the goal of stopping the spread of the virus and making the world a safer place for humanity.
3	Develop iOS Compatible Mobile App	Developing an iOS compatible mobile app will expand the reach of our product to a wider audience, providing more people with access to important information and tools to prevent the spread of the virus. With a mobile app, users will have the convenience of accessing the product from their mobile devices, allowing for quick and easy access to features such as tracking the outbreak, receiving alerts, and entering their own health information. Additionally, a mobile app can integrate with device features such as push notifications and GPS location services, providing a more personalized and streamlined experience for the user. Developing a mobile app will enhance the accessibility and usability of our product, ultimately contributing to our mission of stopping the spread of the virus and making the world a safer place for humanity.
4	Develop Android Compatible Mobile App	Developing an Android compatible mobile app is necessary as Android has the largest market share in the mobile operating system market worldwide. By developing an Android compatible mobile app, we can reach a larger user base and increase the impact of our product in the fight against the spread of the virus. The mobile app will provide easy access to important features of the web portal, such as real-time updates on the number of cases and deaths, heat maps of outbreak areas, and customizable/interactive dashboards with various charts and zooming capabilities. The mobile app will also enable users to receive notifications and alerts about new outbreaks in specific regions, as well as updates on vaccine and cure development. This will allow users to stay informed and take necessary precautions to prevent the spread of the virus.

MVP User Story Justification

Instructions: _Pick one user story in the MVP and justify why that user story belongs in the MVP. Then pick one user story that is **not** in the MVP and justify why that user story doesn't belong in the MVP._

Included in MVP	User Story	Justification for Including or not including the user story in the MVP Plan.
Yes	As a Healthcare Company I can add the number of test kits produced so that the CDC can determine where test kits should be sent.	Healthcare companies play a crucial role in the fight against the spread of the virus, as they are responsible for producing and distributing test kits. By allowing them to report their production numbers, the CDC can better allocate resources and supplies to areas where they are most needed. This user story helps to streamline the process of tracking and managing test kit production and distribution, which is a critical component of the overall strategy to control and prevent the spread of the virus. Without this functionality, it would be much more difficult for the CDC to make informed decisions about where to send test kits and other supplies, which could lead to delays in testing and treatment, and potentially more severe outbreaks. Therefore, including this user story in the MVP plan is essential to ensuring the success and effectiveness of the product.
No	As a Test Center I can schedule appointments for patients to be tested so that testing can be efficiently managed and wait times are minimized.	While scheduling appointments for patients is a valuable feature, it may not be essential to the minimum viable product (MVP) plan. The primary focus of the MVP plan is to provide a basic functioning system that can address the urgent needs of the healthcare companies and the CDC, which is the ability to report test kit production and deliveries. Once the MVP plan is established and functioning effectively, the development team can consider adding additional features such as appointment scheduling to further enhance the system's capabilities.

Sprint Scenario Responses

Instructions: *After completing the Release and MVP Plan, provide a simple explanation for adjustments that the team would likely take given the different unexpected sprint interruptions provided below.*

Sprint	Scenario	Response
1	One of the user stories has a dependency on another system that won't be available until the next sprint. What should the team do about this user story?	if a user story has a dependency on another system that won't be available until the next sprint, the team should try to break down the user story into smaller, independent stories that can be completed in the current sprint. If this is not possible, the team should remove the user story from the current sprint and add it to the backlog for future sprints. It is important for the team to communicate any changes in the sprint backlog to the product owner and stakeholders to manage their expectations and ensure alignment with the project goals. Additionally, the team should collaborate with the other system's team to ensure that the dependency is resolved as soon as possible.
3	A software engineer is sick and will miss most of the sprint. What should you and the team do to account for their absence?	As a team, you should assess the engineer's current workload and determine which tasks they were responsible for during the sprint. Then, redistribute those tasks among the remaining team members based on their availability and expertise. You may need to adjust the sprint backlog and/or the sprint goal to ensure that the team can still meet its commitments despite the engineer's absence. Additionally, you should communicate with the engineer to determine if any specific knowledge or skills are needed for their tasks, and ensure that other team members have the necessary information or training to complete those tasks. Finally, you should keep track of the engineer's progress and adjust the sprint plan accordingly if their absence lasts longer than anticipated.