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.*

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| **Product Vision** | o create a centralized, real-time digital platform that enables individuals, healthcare providers, and government agencies across the U.S. to report cases, monitor virus spread, and track test kit distribution—supporting early detection, resource allocation, and informed public health decisions to reduce transmission and accelerate response efforts. |

# 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.*

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| **Phase** | **Feature** | **Justification** |
| 1 | Develop Web Portal application | This is the simplest and most foundational component to implement. It enables critical user functions like reporting and monitoring needed for MVP outbreak tracking. |
| 2 | Security Update | With increased user interaction post-MVP, securing user data becomes essential. Prioritizing core features first allows quicker initial delivery. |
| 3 | Develop Android Compatible Mobile App | After stabilizing the web and iOS platforms, Android support expands reach—especially in underserved areas that primarily use Android devices. |
| 4 | Customizable/Interactive Dashboard | While valuable for long-term insights, dashboards are more complex and not critical for early response, making them suitable for a later development phase. |

# 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.*

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| **Included in MVP** | **User Story** | **Justification for Including or not including the user story in the MVP Plan.** |
| Yes | As a System Administrator I can give access to the system so that users can access,import, share data. | This story is foundational to the functionality of the entire system. Without the ability to manage user access, the platform cannot securely allow citizens, healthcare workers, or government officials to report data, view dashboards, or perform any core functions. Since proper access control is required for privacy, data integrity, and usability, it is essential to include this story in the MVP. |
| No | As a Test Center I can be notified when my stock falls before a certain level, so that I can proactively order additional testing supplies. | While important for long-term efficiency, this functionality is not critical to the initial goals of tracking infections, deaths, and test kit usage. Real-time outbreak tracking and data collection from users and medical professionals take priority in the MVP. Alert automation for test center inventory is a more advanced feature that can be planned for a future release once core reporting and monitoring systems are stable. |

# 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.*

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| **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? | The product owner should re-prioritize the user stories that have dependency on another system. Move the dependent user story to the next sprint and pull in a lower-priority story from the backlog that is independent and achievable within this sprint. |
| 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? | The development team should work with the product owner to re-prioritize and reduce the scope of the remaining works (including identify the stories the team will not be able to finish) and re-access the team velocity. |