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** | to aid every individual in the United States by diligently tracking the transmission of the virus. |

# 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 | Initial Architecture/Database Setup & Design | This represents the first part on which the complete work will be built. Without creating an initial design for the database, it will be difficult to understand the full structure of the project. |
| 2 | Export CSV of Reported Data | Exporting data in this format allows for more effective use of it later, such as creating heat maps |
| 3 | Develop iOS Compatible Mobile App/Develop Android Compatible Mobile App | This step is necessary to help report infections quickly and anywhere |
| 4 | In-App messaging for Doctors and Patients | It is important to keep doctors and patients in touch to check on their condition and give the necessary directions |

# 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 CDC Official I can view the number of patients that have reported testing positive so that so that I can analyze the outbreak . | This narrative highlights the pivotal function of the application, which is arguably its most valuable asset: tracking positive patients to analyze outbreak patterns. Without this capability, the application loses much of its utility. |
| No | As a Healthcare Company I can reset my password by myself so that I can login again | Automated functionalities are undoubtedly valuable for enhancing efficiency and user experience. However, due to their inherent dependencies, they also introduce greater complexity. Consequently, this particular story is deemed unsuitable for inclusion in the Minimum Viable Product (MVP) due to its reliance on additional components and potential complications. |

# 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 team should relegate this story back to the backlog. The Product Owner (PO) will decide when to prioritize it for inclusion in a future sprint, contingent upon the availability of the other system. |
| 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 team should consider this information and relegate the lowest priority story or stories back into the backlog. Should they complete their current assignments ahead of schedule, they can then select stories from the backlog to work on. |