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** | Protecting All US citizens by tracking and controlling the outbreak 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 | Authentication- Login/Logout | Can help in determining the account type this leads to setting the permission and the feature allowed to any type of user. |
| 2 | Customizable/Interactive Dashboard with heatmaps, bar charts, and zooming capabilities | This feature helps in providing more analytics and accurate information that can rely on to get accurate decisions that can help to articulate our vision. |
| 3 | Develop iOS and Android Mobile App | By providing an app we can reach almost all populations since all people have a smartphone. |
| 4 | In-App messaging for Doctors and Patients | Providing a communication channel between doctors and patients could help in answering the patient’s questions in a faster manner. Doctors can provide medical instructions based on the patient’s status. |

# 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 a heatmap display of the outbreak so that I can determine the region that needs urgent kit supplies. | CDC officials play a critical role in the controlling spread of the virus, by providing them with data on the most affected regions with a virus outbreak. The CDC will have the ability to allocate resources and supplies to regions where they are most needed. This story helps to streamline the spread of the virus and provides the CDC ability to track the virus and get accurate data to drive better decisions. |
| No | As a CDC official, I want to receive an alert from a specific area so that I can urgently arrange funding. | This user story is not 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 Customers. Once the MVP plan is established and functioning effectively, the development team can consider adding additional features such as an automatic Alert informing about the need of a specific area or region. |

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# Sprint Scenario Responses

*Instructions: After completing the Release and MVP Plan, explain adjustments 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? | If a user story has a dependency on another system that won’t be available until the next sprint the team analyzes and work to break down the user story into smaller independent stories that can add it to the current story or can put the story back into the product backlog and re-evaluate its importance. |
| 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? | If a software engineer is sick and will miss most of the sprint, the team should :  Re-estimate the remaining work and re-evaluate the sprint backlog and adjust it accordingly. Check and analyze the impact on the sprint goal and communicate it with the PO. Consider adding more work to the sprint backlog. |