Visualizing and Predicting Heart Diseases with an Interactive Dash Board

***Project Planning Phase***

# Planning Template (Product Backlog, Sprint Planning, Stories,

***Story points)***

# Product Backlog, Sprint Schedule, and Estimation:

***Use the below template to create product backlog and sprint schedule***

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| ***Sprint*** | ***Functi onal Requir***  ***ement (Epic)*** | ***User Story Numb er*** | ***User Story / Task*** | ***Story Points*** | ***Priority*** |
| *Sprint-1* | *Registration* | *USN-1* | *As a user, I can register for the application by entering my email, password, and confirming my password.* | *2* | *High* |
| *Sprint-1* |  | *USN-2* | *As a user, I will receive confirmation email once I have registered for the application* | *1* | *High* |
| *Sprint-2* |  | *USN-3* | *As a user, I can register for the application through Facebook* | *2* | *Low* |
| *Sprint-1* |  | *USN-4* | *As a user, I can register for the application through Gmail* | *2* | *Medium* |
| *Sprint-1* | *Login* | *USN-5* | *As a user, I can log into the application by entering email & password* | *1* | *High* |
| *Sprint-2* | *Dashboard* | *USN-6* | *Profile - view & update your profile* | *2* | *High* |

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| *Sprint-1* |  | *USN-7* | *Change Password - user can change the password* | *1* | *High* |
| *Sprint-1* |  | *USN-8* | *Home - Analyze your Heart* | *2* | *High* |

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| *Sprint-3* |  | *USN-9* | *The user will have to fill in the below 13 fields for the system to predict a disease*  *-Age in Year -Gender*  *-Chest Pain Type*  *-Fasting Blood Sugar*  *-Resting Electrographic Results*  *-Exercise Induced Angina*  *-The slope of the peak exercise ST segment*  *-CA – Number of major vessels coloured by fluoroscopy*  *-Trust Blood Pressure*  *-Serum Cholesterol -Maximum heart rate achieved*  *-ST depression induced by exercise* | *2* | *High* |
|  |  | *USN-10* | *View Doctors - view doctor detail by searching by names or filter by specialty* | *1* | *Medium* |
| *Sprint-3* | *System Requirement* | *USN-11* | *Hardware Requirement Laptop or PC I5 processor system or higher* | *2* | *High* |

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|  |  |  | *4 GB RAM or higher 128 GB ROM or higher*  *ii. Android Phone (12.0 and above)* |  |  |

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| *Sprint-3* |  | *USN-12* | *II. Software Requirement*  *iii. Laptop or PC Windows 10 or higher Android Studio* | *2* | *Medium* |
| *Sprint-4* | *Dashboard* | *USN-13* | *Query* | *1* | *High* |
|  |  | *USN-14* | *Toll Free* | *1* | *High* |
|  |  | *USN-15* | *Ratings* | *2* | *Medium* |
|  |  | *USN-16* | *Verification* | *2* | *High* |
|  |  | *USN-17* | *Validation* | *1* | *High* |
|  |  | *USN-18* | *Feedback – send feedback to the Admin* | *2* | *Medium* |

# Project Tracker, Velocity

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| ***Sprint*** | ***Total Story Points*** | ***Durati on*** | ***Sprint Start Date*** | ***Sprint End Date (Planned)*** | ***Story Points Completed (as on Planned End***  ***Date)*** | ***Sprint Release Date (Actual)*** |
| *Sprint-1* | *20* | *6 Days* | *24 Oct 2022* | *29 Oct 2022* | *20* | *29 Oct 2022* |
| *Sprint-2* | *20* | *6 Days* | *31 Oct 2022* | *05 Nov 2022* | *18* | *06 Nov 2022* |
| *Sprint-3* | *20* | *6 Days* | *07 Nov 2022* | *12 Nov 2022* | *20* | *11 Nov 2022* |
| *Sprint-4* | *20* | *6 Days* | *14 Nov 2022* | *19 Nov 2022* | *19* | *19 Nov 2022* |

***Velocity:***

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

