Project Planning Phase

Project Planning (Product Backlog, Sprint Planning, Stories, Story points)

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| --- | --- |
| Date | 30 October 2022 |
| Team ID | PNT2022TMID50137 |
| Project Name | Project - Smart Fashion Recommender Application |
| Maximum Marks | 8 Marks |

# Product Backlog, Sprint Schedule, Estimation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story points | Priority | Team Members |
| Sprint-1 | Setting up App environment | USN-1 | As a user, I can register in ICTA  Academy and create IBM cloud account. | 2 | High | Gokul S  Jesu Denison K |
| Sprint-1 |  | USN-2 | As a user, I will create a flask project | 1 | Low | John Prakash I  John Stephen J |
| Sprint-1 |  | USN-3 | As a user, I will install IBM Cloud CLI | 2 | Medium | Gokul S  Jesu Denison K |
| Sprint-2 | Setting up App environment | USN-4 | As a user, I can install Docker CLI | 1 | Low | John Prakash I  John Stephen J |
| Sprint-2 |  | USN-5 | As a user, I will Create an account in sendgrid | 2 | Medium | Gokul S  Jesu Denison K |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-3 | Implementing web application | USN-6 | As a user, I Create UI to interact with the application | 1 | High | John Prakash I  John Stephen J |
| Sprint-3 |  | USN-7 | As a user, I Create IBM DB2 and connect with Python | 3 | High | Gokul S |
| Sprint-3 | Integrating sendgrid service | USN-8 | As a user, I will integrating sendgrid with python code | 2 | High | Jesu Denison K |
| Sprint-3 | Developing a chatbot | USN-9 | As a user, I have to build a chatbot and Integrate to application | 1 | Medium | John Prakash I |
| Sprint-4 | Development of App in IBM Cloud | USN-10 | As a user, I will Containerize the App | 1 | Low | John Stephen J |
| Sprint-4 |  | USN-11 | As a user, I will upload image to IBM Container registry | 2 | Medium | John Stephen J |
| Sprint-4 |  | USN-12 | As a user, I will deploy App in Kebernetes cluster | 3 | High | John Prakash I |
| Sprint-4 | User panel |  | As a user   * Register, Login, Email, Verification * Manual Search * Order placement, Order Details | 3 | High | Gokul S  Jesu Denison K  John Prakash I  John Stephen J |

**Project Tracker, Velocity & Burndown Chart**

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

# Velocity

Imagine we have a 6-day sprint duration, and the velocity of the team is 18(points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

AV = Sprint Duration / Velocity AV = 24/6 = 4

# Burndown Chart

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



Setting up App

Environment

Integrating sendgrid

service

Developing

a chatbot

Implementing

web App

Deployment of

app in IBM Cloud

**Oct 24 - 29**

**Week 1**