Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID12898
Project Name	Retail Store Stock inventory Analysis
Maximum Marks	8 Marks

Members : Sendhilnathan E, Sanjith S, Haritha K, Gayathri G

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User login and retailer observation	USN-1	As a user, I can register for the application by entering name and locality	2	Medium	Sendhilnathan E, Sanjith S
Sprint-1		USN-2	As a user I can add my query to the US super store consideration	2	Medium	Sendhilnathan E, Sanjith S
Sprint-1		USN-3	As a user I can suggest some remedy measure	2	Medium	Sendhilnathan E, Sanjith S
Sprint-1		USN-4	As a retailer I can look into the query of the customer/user and start taking action	2	Medium	Sendhilnathan E, Sanjith S
Sprint-1		USN-5	As a retailer I can take my data base and clean it before analysing	3	High	Gayathri G, Haritha K
Sprint-1		USN-6	I should fill in the missing values in case of any dataset available	2	Low	Gayathri G, Haritha K
Sprint-2	Data pre-processing and exploratory analysis	USN-7	Remove the unwanted data and add necessary columns for processing	2	Low	Sendhilnathan E, Sanjith S
Sprint-2		USN-8	Masking of private or sensitive data	3	High	Gayathri G, Haritha K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
sprint 2		USN-9	Create new columns in case of needed to split up the dataset to work	3	Medium	Gayathri G, Haritha K
Sprint 2		USN-10	Remove nil entry data and make sure to maintain them properly in future	3	Low	Sendhilnathan E, Sanjith S
Sprint 2		USN-11	Format data to standardized pattern	3	Low	Sendhilnathan E, Sanjith S
Sprint 3	Interactive Dashboard	USN-12	Analysing basic metrices	3	Low	Sendhilnathan E, Sanjith S
Sprint 3		USN-13	Learning IBM cognos functionalities	2	Low	Sendhilnathan E, Sanjith S
Sprint 3		USN-14	Data visualization basics	3	Medium	Sendhilnathan E, Sanjith S
Sprint 3		USN-15	Correlation between variables	3	Medium	Gayathri G, Haritha K
Sprint 3		USN-16	Year wise profit using line graph	2	Low	Gayathri G, Haritha K
Sprint 3		USN-17	Year wise quantity of utilities using line graph	2	Low	Gayathri G, Haritha K
Sprint 3		USN-18	Top 10 sales by year using line graph	2	Low	Gayathri G, Haritha K
Sprint 3		USN-19	Monthly sales using Tree Map	2	Low	Gayathri G, Haritha K
Sprint 3		USN-20	Monthly profit by pie chart	2	Low	Gayathri G, Haritha K
Sprint 4	Story creation and solution	USN-21	Dashboard creation	5	High	Sendhilnathan E, Sanjith S
Sprint 4		USN-22	Summary cards of total profit, sales, sub categories and localities	5	Medium	Gayathri G, Haritha K
Sprint 4		USN-23	Understanding the demand of the customer correlated with analysed data set	5	High	Gayathri G, Haritha K
Sprint 4		USN-24	Generate remedy measures for the customer's query based on available solution	5	High	Sendhilnathan E, Sanjith S
Sprint 4		USN-25	Generate a final report for future use, for both retailers and the customers access.	5	High	Gayathri G, Haritha K

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	13	4 Days	28 Oct 2022	31 Oct 2022	13	31 Oct 2022
Sprint-2	14	4 Days	01 Nov 2022	04 Nov 2022	14	04 Nov 2022
Sprint-3	21	5 Days	05 Nov 2022	10 Nov 2022	21	10 Nov 2022
Sprint-4	25	5 Days	10 Nov 2022	15 Nov 2022	25	15 Nov 2022

Velocity:

Sprint 1 : $AV = \frac{sprint\ duration}{velocity} = \frac{13}{4} = 3.25$

Sprint 2 : $AV = \frac{sprint\ duration}{velocity} = \frac{14}{4} = 3.5$

Sprint 3 : $AV = \frac{sprint\ duration}{velocity} = \frac{21}{5} = 4.2$

Sprint 4 : $AV = \frac{sprint\ duration}{velocity} = \frac{25}{5} = 5$

Burndown Chart: