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

Date	18 October 2022
Team ID	PNT2022TMID04885
Project Name	Project – News Tracker Application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	
Sprint-1	MySQL Database Connection	USN-2	As a user, I can register in this application and the data will be stored in the MySQL database.	5	High	
Sprint-1		USN-3	As a user, I can search for a particular news that I want to know	5	Medium	
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	
Sprint-2	Dashboard	USN-5	As a user, I can choose the category of news I want to see in dashboard.	10	High	
Sprint-2	Dashboard User Interface	USN - 11	Administrator designing the user interface	10	Medium	
Sprint-3	IBM cloud Connection	USN-6	As a user I can register to the application and the details are stored in IBM cloud.	10	High	
Sprint-3		USN-7	As a user, I can log out my account in settings.	10	Medium	
Sprint-4	Chat bot / Query	USN-8	As a user, I can get information about the application through bot.	10	Medium	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-9	Solve issues brought up by client	5	Medium	
Sprint-4		USN-10	Roll out updates and bug fixes	5	High	

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

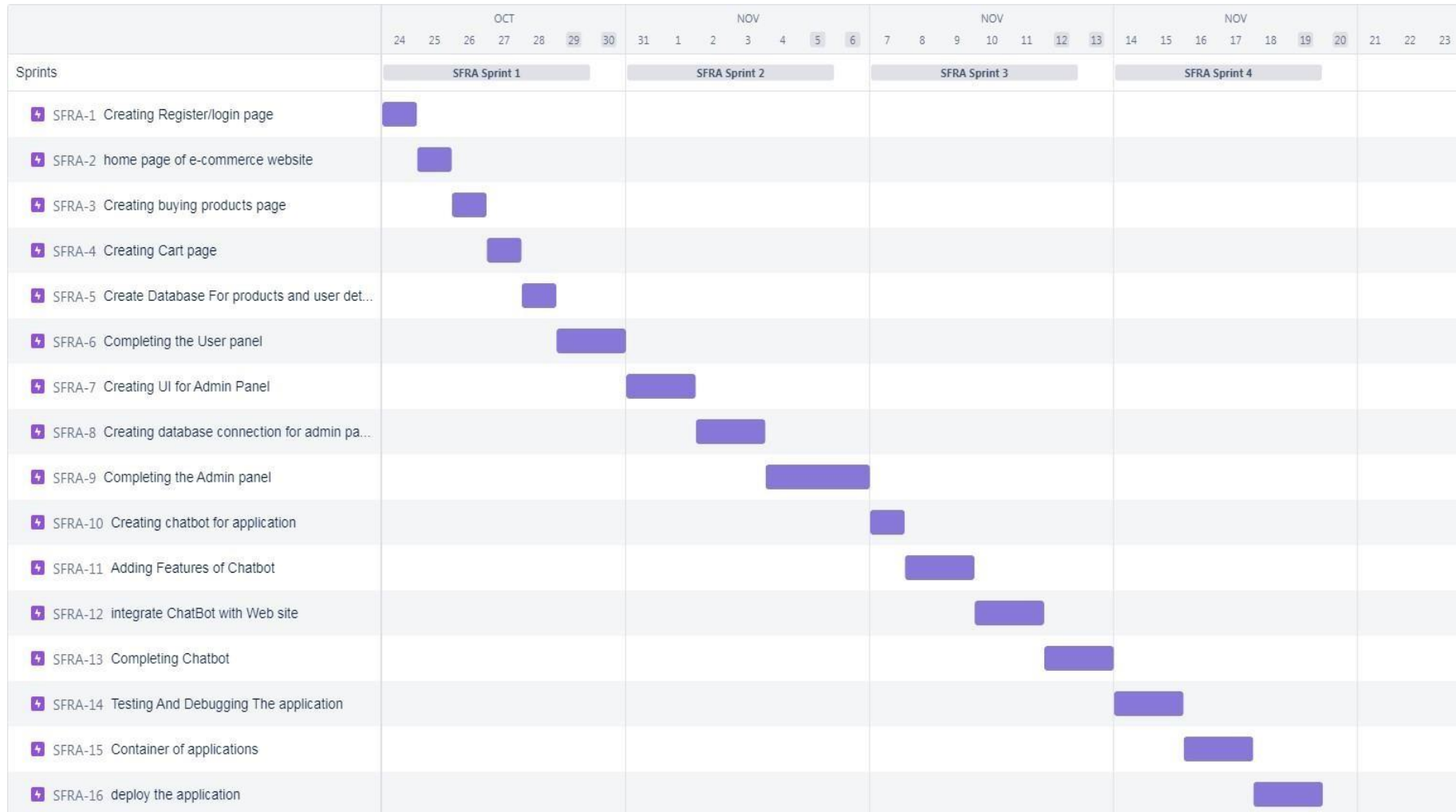| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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.

	OCT							NOV							NOV							NOV								
	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sprints			SFRA Sprint 1							SFRA Sprint 2							SFRA Sprint 3							SFRA Sprint 4							
SFRA-1 Creating Register/login page																															
SFRA-2 home page of e-commerce website																															
SFRA-3 Creating buying products page																															
SFRA-4 Creating Cart page																															
SFRA-5 Create Database For products and user det...																															
SFRA-6 Completing the User panel																															
SFRA-7 Creating UI for Admin Panel																															
SFRA-8 Creating database connection for admin pa...																															
SFRA-9 Completing the Admin panel																															
SFRA-10 Creating chatbot for application																															
SFRA-11 Adding Features of Chatbot																															
SFRA-12 integrate ChatBot with Web site																															
SFRA-13 Completing Chatbot																															
SFRA-14 Testing And Debugging The application																															
SFRA-15 Container of applications																															
SFRA-16 deploy the application																															

Goal : 80 hours in 4 weeks
Burndown Chart

Effort(hours)

90

80 — Setting up App
Environment

70

60 — Integrating SendGrid
service

50 — Developing
a chatbot — **Actual Effort**

40 — **Estimated Effort**

30

20 — Implementing
web App

10 — Deployment of
app in IBM Cloud

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| Oct 24-29 | Oct 31 – Nov 05 | Nov 07 – 12 | Nov 14 – 19 |
| Week 1 | Week 2 | Week 3 | Week 4 |

Remaining (Days)