Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID25536
Project Name	Personal Expense 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	
	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Shanavaas	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Ragavan	
	Login	USN-3	As a user, I can log into the application by entering email & password	1	Low	Arivin	
Dashboard USN-4		USN-4	Logging in takes to the dashboard for the logged user.	2	Medium	Garki	
			Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only				
	Workspace	USN-1	Workspace for personal expense tracking	2	High	Ragavan	
Sprint-2	Charts	USN-2	Creating various graphs and statistics of customer's data	1	Medium	Arivin	
	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Garki	
		USN-4	Making dashboard interactive with JS	2	High	Shanavaas	

Sprint	Functional	User Story	User Story / Task	Story Points	Priority	Team
	Requirement (Epic)	Number				Members
		USN-1	Wrapping up the server side works of frontend	1	Medium	Arivin
Sprint-3	Watson Assistant	USN-2	Creating Chatbot for expense tracking and for clarifying user's query	1	Medium	Garki
SendGrid USN-3 Using SendGrid to send mail their expenses		Using SendGrid to send mail to the user about their expenses	1	Low	Shanavaas	
		USN-4	Integrating both frontend and backend	2	Medium	Ragavan

	Docker	USN-1	Creating image of website using docker/	2	High	Garki
Sprint-4	Cloud Registry	USN-2	Uploading docker image to IBM Cloud registry	2	High	Shanavaas
Kubernetes USN-3		USN-3	Create container using the docker image and hosting the site	2	High	Ragavan
	Exposing	USN-4	Exposing IP/Ports for the site	2	High	Arivin

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on	Sprint Release Date (Actual)
					Planned End Date)	
Sprint-1	20	6 Days	23 Oct 2022	28 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	18 Nov 2022	20	19 Nov 2022

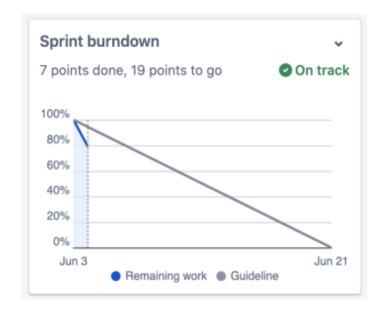
Velocity:

Imagine we have a 6-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.



Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts