Project Planning Phase

Date	18 October 2022
Team ID	PNT2022TMID30856
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
Sprint-1	Setting up App environment	USN-1	As a user, I can register in ICTA Academy and create IBM cloud account.	2	High	Madhumitha M, Gayathridevi R
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Bhanuupriya S, Madhumitha M, Ajantha S,
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Ajantha S, Gayathridevi R
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	Bhanuupriya S,
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	Bhanuupriya S, Gayathridevi R

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	Bhanuupriya S, Madhumitha M,
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	Bhanuupriya S, Madhumitha M, Ajantha S,
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will integrating sendgrid with python code	2	High	Bhanuupriya S, Madhumitha M, Ajantha S, Gayathridevi R
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and Integrate to application	1	Medium	Bhanuupriya S, Madhumitha M, Ajantha S, Gayathridevi R
Sprint-3	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	Bhanuupriya S, Madhumitha M, Ajantha S, Gayathridevi R
Sprint-3		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	Bhanuupriya S, Madhumitha M, Ajantha S, Gayathridevi R
Sprint-3		USN-12	As a user, I will deploy App in Kebernetes cluster	3	High	Bhanuupriya S, Madhumitha M, Ajantha S, Gayathridevi R
Sprint-4	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Bhanuupriya S, Madhumitha M, Ajantha S, Gayathridevi R
Sprit-4		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Bhanuupriya S, Gayathridevi R

Sprit-4		USN-3	As a user, I can register for the application through Facebook	2	Low	Bhanuupriya S, Madhumitha M, Gayathridevi R
Sprit-4		USN-4	As a user, I can register for the application through Gmail	2	Medium	Bhanuupriya S, Ajantha S, Gayathridevi R
Sprit-4		USN-5	As a user, I can log into the application by entering email & password	1	High	Bhanuupriya S, Madhumitha M, Ajantha S,

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.