

Project Planning Phase

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

Date	04 November 2022
Team ID	PNT2022TMID53373
Project Name	Personal Expense Tracker Application
Maximum Marks	8 Marks

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

Sprint number	Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
1	Setting Up Application Environment	Create flask project, IBM account, Docker and SendGrid	USN-1	Getting started with flask, creating IBM cloud account and installing IBM cloud CLI, docker	5	High	Prateep, Karthikeyan, Sunilkumar, Kirupanidhi.
2	Implementing Web Application	Create UI to interact with application	USN-2	Designing user friendly UI to make human computer interaction smoothly. Home page, log in, log out, expense report page are the console.	20	High	Prateep, Karthikeyan, Sunilkumar, Kirupanidhi.
		Create IBM DB2 and connect with python	USN-3	Creating IBM DB2 connecting it with flask MVC microframework to store the user credentials and expenses.	5	High	Prateep, Karthikeyan, Sunilkumar, Kirupanidhi.

3	Integrating SendGrid Service	SendGrid integration with python code	USN-4	Generating SendGrid APIE to notify user that they reach the limit of spending.	5	medium	Prateep, Karthikeyan, Sunilkumar, Kirupanidhi.
4	Deployment of app in IBM Cloud	Containerize the app	USN-1	Creating docker file and testing the requirements for the flask application.	5	medium	Prateep, Karthikeyan, Sunilkumar, Kirupanidhi.
		Upload image to IBM container registry	USN-2	Upload images used in the front end to Container registry.	3	medium	Prateep, Karthikeyan, Sunilkumar, Kirupanidhi.
		Deploy in Kubernetes	USN-3	Deploy the application after testing its functionality on Kubernetes.	7	High	Prateep, Karthikeyan, Sunilkumar, Kirupanidhi.

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	5	2 Days	22 Oct 2022	23 Oct 2022	5	25 Oct 2022
Sprint-2	25	10 Days	24 Oct 2022	02 Nov 2022	20	02 Nov 2022
Sprint-3	5	6 Days	03 Nov 2022	08 Nov 2022	5	08 Nov 2022

Sprint-4	15	6 Days	09 Nov 2022	14 Nov 2022	15	15 Nov 2022
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Burndown chart:



