

Project Planning Phase

Date	22 October 2022
Team ID	PNT2022TMID02593
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Lenin
		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Manoj
	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Nithyanantham
	Dashboard	USN-4	Logging in takes to the dashboard for the logged user.	2	High	Jaya Suriya
<i>Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only</i>						
	Workspace	USN-1	Workspace for personal expense tracking	2	High	Manoj

Sprint 2	Charts	USN-2	Creating various graphs and statistics of customer's data	1	Medium	Nithyanantham
	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Jaya Suriya
		USN-4	Making dashboard interactive with JS	2	High	Lenin
Sprint-3		USN-1	Wrapping up the server side works of frontend	1	Medium	Nithyanantham
	Watson Assistant	USN-2	Creating Chatbot for expense tracking and for clarifying user's query	1	Medium	Lenin
	SendGrid	USN-3	Using SendGrid to send mail to the user about their expenses	1	Low	Jaya Suriya
		USN-4	Integrating both frontend and backend	2		Manoj
Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only						
Sprint-4	Docker	USN-1	Creating image of website using docker/	2	High	Jaya suriya
	Cloud Registry	USN-2	Uploading docker image to IBM Cloud registry	2	High	Lenin
	Kubernetes	USN-3	Create container using the docker image and hosting the site	2	High	Manoj
	Exposing	USN-4	Exposing IP/Ports for the site	2	High	Nithyanantham

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:

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Calculating the team's average velocity (AV).

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$

Burndown Chart:

A burndown 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, burndown charts can be applied to any project containing measurable progress over time.

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Software project

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Backlog

LS NV JS MR

Epic

Versions

Insights

PET Sprint 1 24 Oct – 29 Oct (3 issues)

0 0 0 Complete sprint

PET-1 Registration DONE LS

PET-2 Login DONE NV

PET-3 Dashboard IN PROGRESS JS

+ Create issue

PET Sprint 2 31 Oct – 5 Nov (3 issues)

0 0 0 Complete sprint

PET-4 Workspace DONE MR

PET-5 charts IN PROGRESS NV

PET-6 Connecting to IBM DB2 TO DO LS

+ Create issue

Quickstart

Create a project

Create an issue

Issues are individual pieces of work that you assign to teammates.

Issues can be tasks or stories.

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Reports

- Overview
- Burnup report
- Sprint burndown chart**
- Cumulative flow diagram
- Cycle time report
- Deployment frequency report

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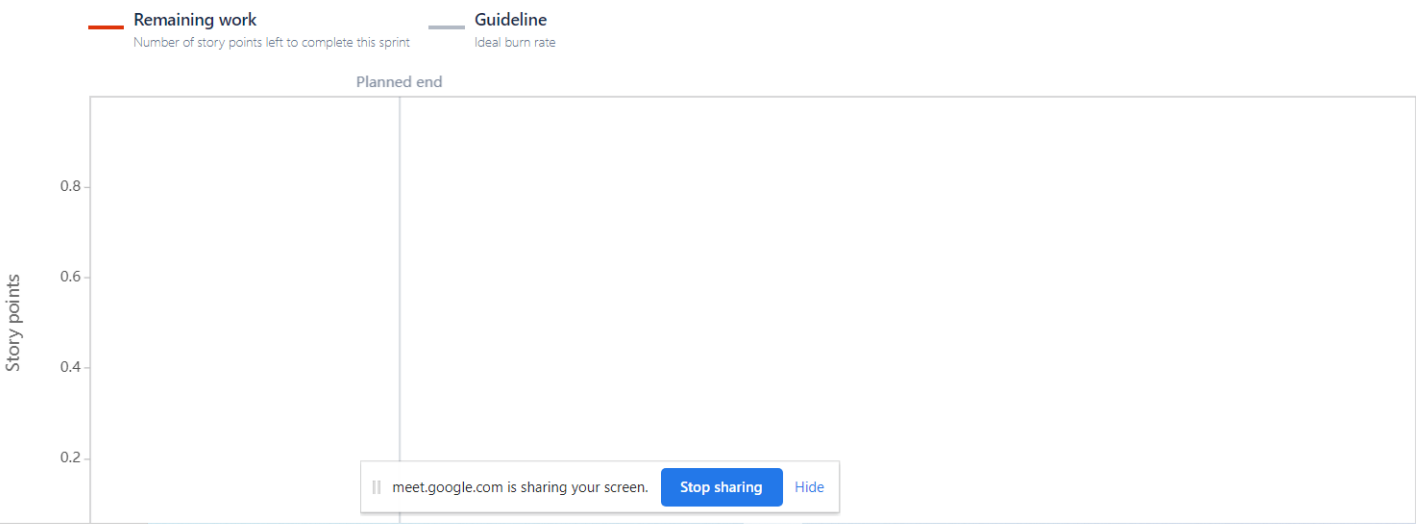
Sprint burndown chart

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Sprint: PET Sprint 1

Estimation field: Story points

Date - October 24th, 2022 - October 29th, 2022



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Software project

Back to project

Reports

Overview

Burndown report

Sprint burndown chart

Cumulative flow diagram

Cycle time report

Deployment frequency report

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Nov 01 Nov 03 Nov 05 Nov 07 Nov 09 Nov 11 Nov 13 Nov 15 Nov 17 Nov 19

Date

Report: PET Sprint 1

*Issue added after sprint start

[View in issue navigator](#)

Scope changes log

Date	Key	Summary	Issue type	Epic	Details of scope change	Change in estimation
2022-11-20	PET-4*	Workspace	Task		Issue added to sprint	-
2022-11-20	PET-5*	charts	Task		Issue added to sprint	-
2022-11-20	PET-6*	Connecting to IBM DB2	Task		Issue added to sprint	-

Incomplete issues

[View in issue navigator](#)

Key	Summary	Issue type	Epic	Status	Assignee	Story points
PET-5	charts	Task		IN PROGRESS	NV	-
PET-6	Connecting to IBM DB2	Task		TO DO	LS	-