

### Project Planning Phase

Team ID	PNT2022TMID022573
Project Name	Nutrition Assistant 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 Application Environment	USN-1	To create lots of environments. Create or Enrolment to the IBM cloud, Docker CLI installation, createan account in SendGrid and Nutrition API, etc.,	4	High	Dinesh J
Sprint-1	Registration	USN-2	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	Kaviya SS
Sprint-1		USN-3	As a user, I will receive confirmation email once I have registered for theapplication	2	Medium	Kaviya G
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Niranjan B

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	4	High	Dinesh J Kaviya SS
Sprint-2	Profile	USN-6	As a User, I can view and change my profile settings.	2	Medium	Kaviya SS Kaviya G
Sprint-2	Upload image	USN-7	As a User, I can upload the food picture to know about it details	4	Medium	Niranjan B Dinesh J
Sprint-3	Prediction resultpage for food items.	USN-8	Displays the result of the uploaded food picture	7	High	Kaviya SS Niranjan B
Sprint-4	View history offood items.	USN-9	Gives a Consolidated view of previously searched food items.	4	Medium	Dinesh J Kaviya G

### 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 ReleaseDate (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)

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

## 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.

The screenshot shows the Jira Software interface for the 'Nutrition Assistant Application' project. The left sidebar contains navigation options: PLANNING (Roadmap, Backlog), DEVELOPMENT (Board, Reports, Issues, Code, Releases), OPERATIONS (Deployments, On-call), and Project pages (Project pages, Add shortcut, Project settings). The main content area is titled 'Backlog' and shows a list of sprints and the current backlog. The 'NAA Sprint 1' (24 Oct - 29 Oct) is expanded, showing three issues: 'NAA-14 Registration' (To Do), 'NAA-15 Confirm Registration' (In Progress), and 'NAA-16 Login' (Done). Below the sprints, the 'Backlog' section is empty, with a message 'Your backlog is empty.' and a 'Create issue' button. A 'Quickstart' button is visible in the bottom right corner.

Sprint	Issues	Status	Assignee
NAA Sprint 1 (24 Oct - 29 Oct)	NAA-14 Registration	TO DO	KS
NAA Sprint 1 (24 Oct - 29 Oct)	NAA-15 Confirm Registration	IN PROGRESS	DJ
NAA Sprint 1 (24 Oct - 29 Oct)	NAA-16 Login	DONE	KG
NAA Sprint 2	2 issues	Start sprint	
NAA Sprint 3	1 issue	Start sprint	
NAA Sprint 4	1 issue	Start sprint	
Backlog	0 issues	Create sprint	

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## Roadmap

Give feedback Share Export ...

### PLANNING

Roadmap

Backlog

Board

Reports

Issues

### DEVELOPMENT

Code

Releases

### OPERATIONS

Deployments

On-call

Project pages

Add shortcut

Project settings

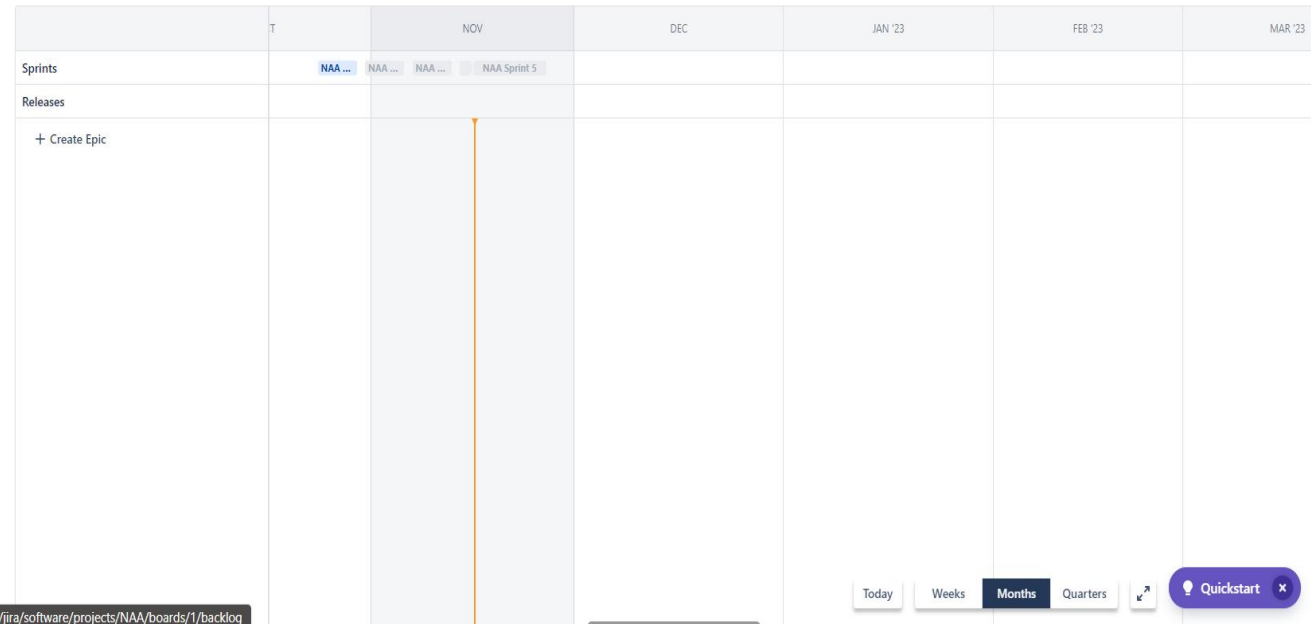
You're in a team-managed project

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<https://kaviya-sharanarathi.atlassian.net/jira/software/projects/NAA/boards/1/backlog>

KS Status category

View settings



Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create

Q Search

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PLANNING

- Roadmap
- Backlog
- Board

DEVELOPMENT

- Reports
- Issues

OPERATIONS

- Code
- Releases
- Deployments
- On-call

- Project pages
- Add shortcut
- Project settings

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All sprints

KS KG NB DJ

Sprint

TO DO 2 ISSUES

Registration

- NAA-14 4 KS

Upload Image

- NAA-18 4 KS

IN PROGRESS 1 ISSUE

View History

- NAA-20 4 KG

DONE 3 ISSUES

Login

- NAA-16 4 KG

Profile

- NAA-17 2 NB

Confirm Registration

- NAA-15 4 DJ

GROUP BY

None

Insights

Complete sprint

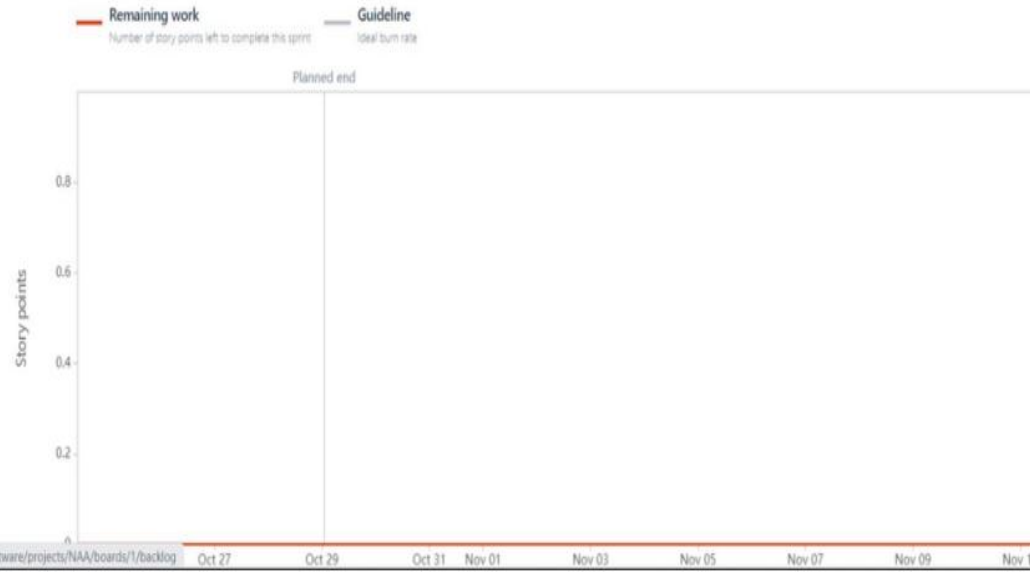
Quickstart

## Sprint burndown chart

[How to read this report](#)

Sprint: NAA Sprint 1  
Estimation field: Story points

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



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Back to project

Reports

Overview

Burnup report

Sprint burndown chart

Velocity report

Cumulative flow diagram

Cycle time report

Deployment frequency report

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Report: NAA Sprint 5

\*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

2022-11-16

NAA-20\*

View History

Task

Issue added to sprint

1

Your sprint commitment has increased by 1 issue

Due to scope changes: You have 1 issue to complete this sprint

Incomplete issues

View in issue navigator

Key

Summary

Issue type

Epic

Status

Assignee

Issue count

NAA-20

View History

Task

IN PROGRESS

KG

1

Completed issues

Key

Summary

Issue type

Epic

Status

Assignee

Issue count

No issues in sprint have been completed

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Velocity report

How to read this report

Commitment

The amount of work in the sprint when it began.

Completed

The amount of work done during the sprint.

Story point

NAA Sprint 2

NAA Sprint 1

NAA Sprint 3

NAA Sprint 4

NAA Sprint 5

Sprint

NAA Sprint 2

NAA Sprint 1

NAA Sprint 3

NAA Sprint 4

NAA Sprint 5

Commitment

Completed

0

0

0

4

0

7

0

5

0

0