

### 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
	View history offood items.	USN-9	Gives a Consolidated view of previously searched food items.	4	Medium	Dinesh J Kaviya G
Sprint-4	Docker	USN-10	Creates a docker image of your application and push it to the IBM Container Registry	10	High	Niranjan B Dinesh J
	Kubernetes	USN-11	Image is to be uploaded to the IBM container registry deploy the image to IBM Kubernetes Cluster	10	High	Kaviya SS 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 displays the Jira Software interface for the 'Nutrition Assistant Application' project. The left sidebar contains navigation options under 'PLANNING' (Roadmap, Backlog, Board, Reports, Issues), 'DEVELOPMENT' (Code, Releases), and 'OPERATIONS' (Deployments, On-call, Project pages, Add shortcut, Project settings). The main content area shows the 'Backlog' for the project. It lists several sprints: 'NAA Sprint 1' (24 Oct - 29 Oct) with 3 issues, 'NAA Sprint 2' (Add dates, 2 issues), 'NAA Sprint 3' (Add dates, 1 issue), and 'NAA Sprint 4' (Add dates, 1 issue). The 'NAA Sprint 1' section 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.

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Software project

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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

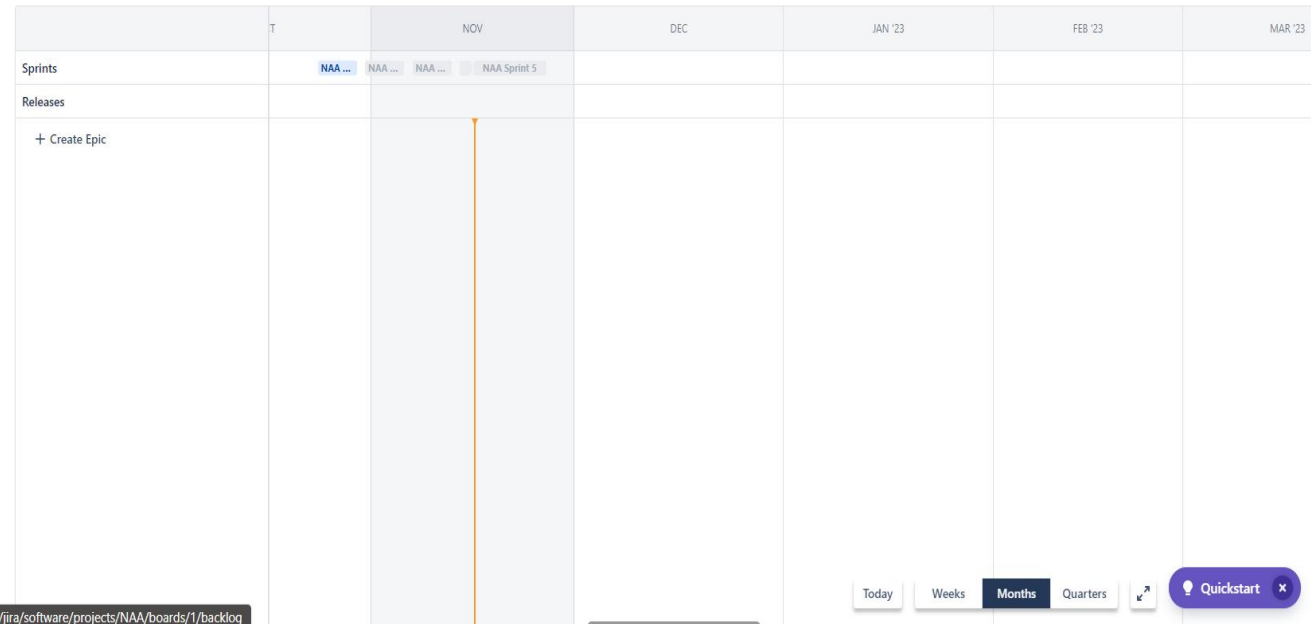
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<https://kaviya-sharanarathi.atlassian.net/jira/software/projects/NAA/boards/1/backlog>

KS Status category

View settings



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Create


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PLANNING

 Roadmap


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




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All sprints

Q



Sprint


TO DO 2 ISSUES

Registration

☒

NAA-14

4




Upload Image

☒

NAA-18

4




IN PROGRESS 1 ISSUE

View History

☒

NAA-20

4




DONE 3 ISSUES

Login

☒

NAA-16

4




Profile

☒

NAA-17

2




Confirm Registration

☒

NAA-15

4



GROUP BY

None

Insights

Complete sprint

Quickstart

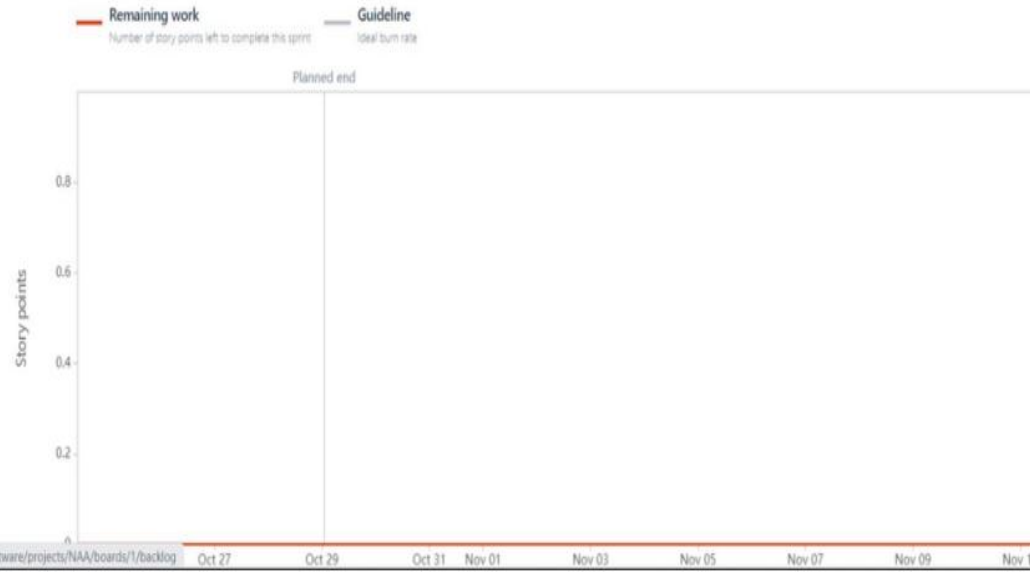
## Sprint burndown chart

[How to read this report](#)

Sprint  
NAA Sprint 1

Estimation field  
Story points

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



Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create

Q Search

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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
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No issues in sprint have been completed

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Velocity report

How to read this report

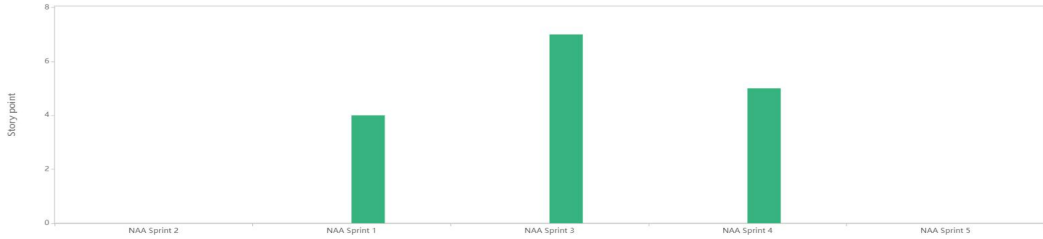
Commitment

The amount of work in the sprint when it began.

Completed

The amount of work done during the sprint

Story point



Sprint	Commitment	Completed
NAA Sprint 2	0	0
NAA Sprint 1	0	4
NAA Sprint 3	0	7
NAA Sprint 4	0	5
NAA Sprint 5	0	0