

### Project Planning Phase

Team ID	PNT2022TMID02649
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, create an account in SendGrid and Nutrition API, etc.,	4	High	Srinivas S
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	Sunil kumar S
Sprint-1		USN-3	As a user, I will receive confirmation email once I have registered for the application	2	Medium	Parthasarathy S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Pavan Kumar CHV

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	4	High	Srinivas S Parthasarathy S
Sprint-2	Profile	USN-6	As a User, I can view and change my profile settings.	2	Medium	Parthasarathy S Pavankumar CHV
Sprint-2	Upload image	USN-7	As a User, I can upload the food picture to know about it details	4	Medium	Sunil kumar S Srinivas S
Sprint-3	Prediction resultpage for food items.	USN-8	Displays the result of the uploaded food picture	7	High	Sunilkumar S Parthasarathy S
	View history offood items.	USN-9	Gives a Consolidated view of previously searched food items.	4	Medium	Srinivas S Parthasarathy S
Sprint-4	Docker	USN-10	Creates a docker image of your application and push it to the IBM Container Registry	10	High	Parthasarathy S Pavankumar CHV
	Kubernetes	USN-11	Image is to be uploaded to the IBM container registry deploy the image to IBM Kubernetes Cluster	10	High	Sunilkumar S ParthasarathyS

### Project Tracker, Velocity & Burndown Chart: (4 Marks)

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date(Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint ReleaseDate (Actual)</b>
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

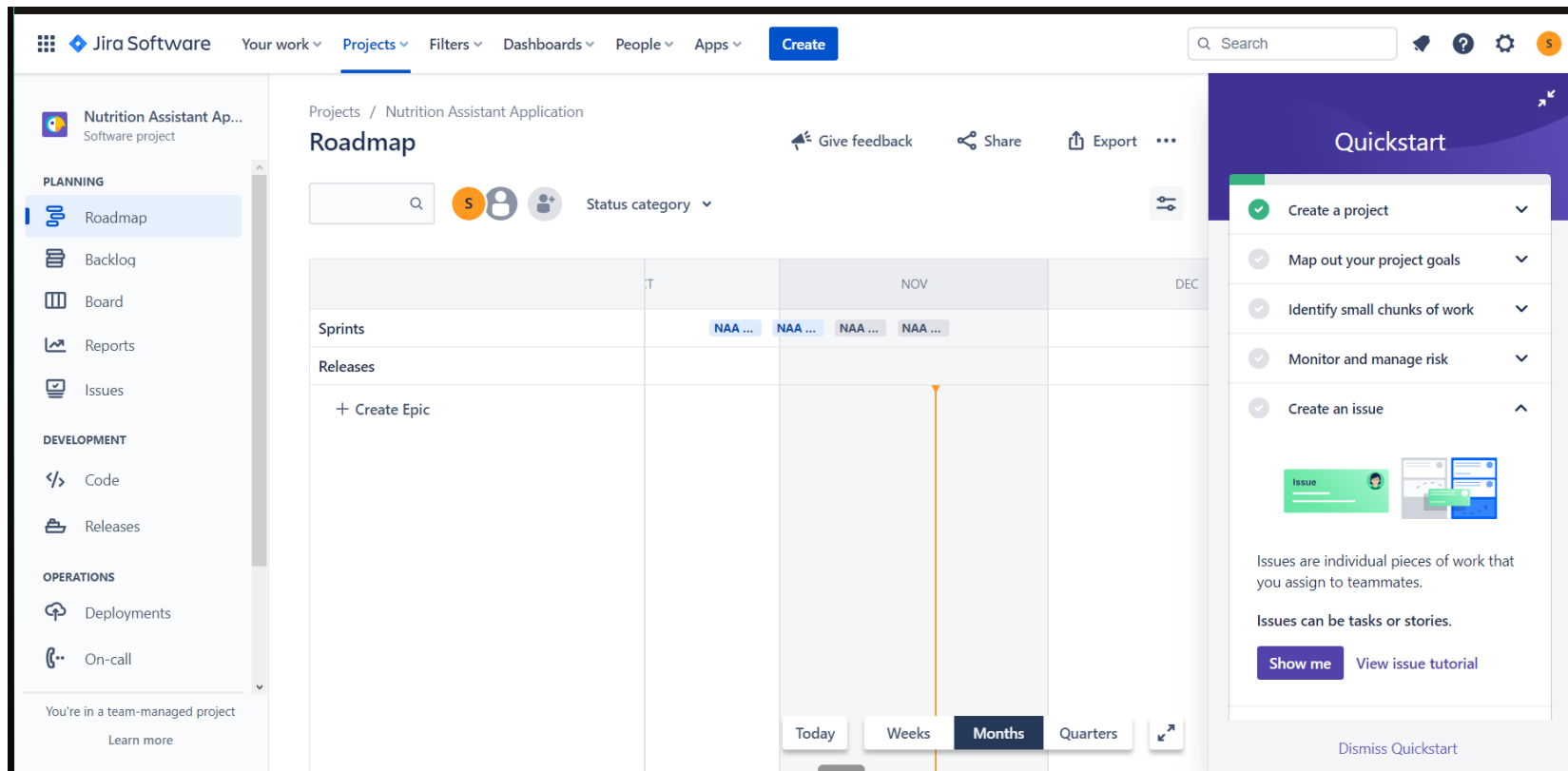
#### Velocity:

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.



Nutrition Assistant Ap...  
Software project

PLANNING

Roadmap

Backlog

Board

Reports

Issues

DEVELOPMENT

Code

Releases

OPERATIONS

Deployments

On-call

You're in a team-managed project

Learn more

Does your team need more from Jira? [Get a free trial of our Standard plan.](#)

Projects / Nutrition Assistant Application

Backlog

Search S P PV S Epic Versions Insights

▼ NAA Sprint 1 24 Oct – 29 Oct (2 issues)

0 0 20 Complete sprint

✓ NAA-1 Registration

10 DONE S

✓ NAA-2 Login

10 DONE P

+ Create issue

► NAA Sprint 2 31 Oct – 5 Nov (2 issues)

10 10 0 Complete sprint

► NAA Sprint 3 7 Nov – 12 Nov (1 issue)

20 0 0 Start sprint

► NAA Sprint 4 14 Nov – 19 Nov (1 issue)

20 0 0 Start sprint

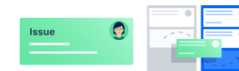
▼ Backlog (0 issues)

0 0 0 Create sprint

Quickstart

✓ Create a project

✓ Create an issue



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

Issues can be tasks or stories.

Show me

View issue tutorial

✓ Invite your teammates

✓ Connect your tools

✓ Get the mobile app

Dismiss Quickstart

Nutrition Assistant Ap...  
Software project

PLANNING

- Roadmap
- Backlog
- Board**
- Reports
- Issues

DEVELOPMENT

- Code
- Releases

OPERATIONS

- Deployments
- On-call

You're in a team-managed project  
[Learn more](#)

Does your team need more from Jira? [Get a free trial of our Standard plan.](#)

Projects / Nutrition Assistant Application

All sprints

S P PV S + Sprint

GROUP BY None Insights

TO DO 1 ISSUE

Upload Image

☒ NAA-4 10 S

IN PROGRESS 1 ISSUE

Profile

☒ NAA-3 10 PV

DONE 2 ISSUES

Registration

☒ NAA-1 ✓ 10 S

Login

☒ NAA-2 ✓ 10 P

Quickstart

☒ Create a project

☒ Customize your board

☒ Create an issue

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


Issues can be tasks or stories.


Show me View issue tutorial

☒ Invite your teammates

☒ Connect your tools

[Dismiss Quickstart](#)

 Nutrition Assistant Ap...  
Software project

 Back to project

### Reports

Overview

Burnup report

**Sprint burndown chart**

Cumulative flow diagram

Cycle time report

Deployment frequency report

You're in a team-managed project  
[Learn more](#)

NAA Sprint 1 ▾

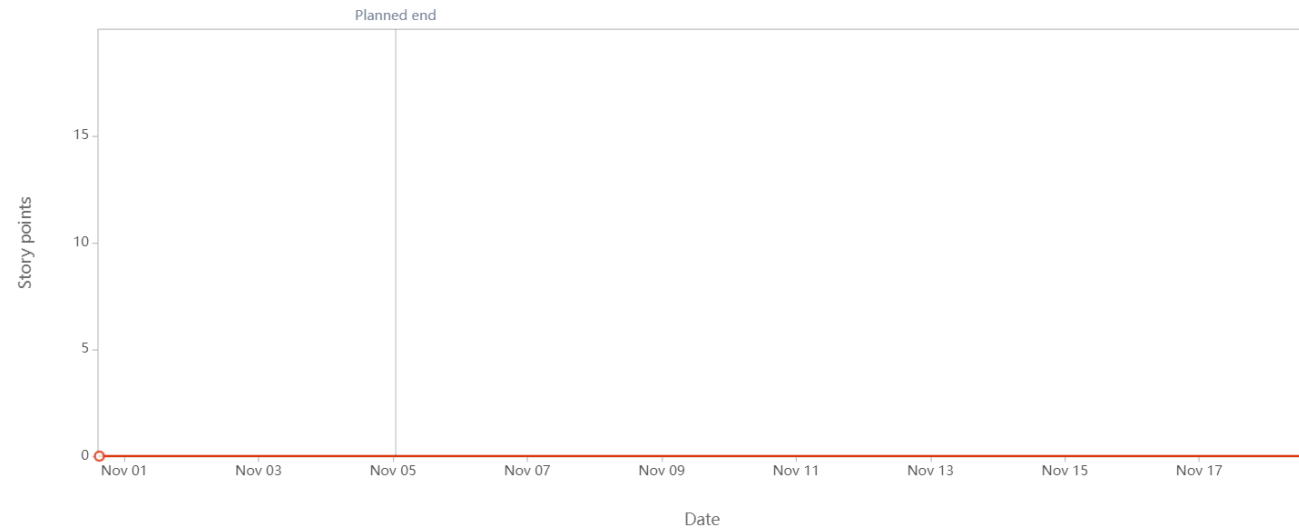
Story points ▾

⋮

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

**Remaining work**  
Number of story points left to complete this sprint

**Guideline**  
Ideal burn rate



Nutrition Assistant Ap...  
Software project

Back to project

Reports

Overview

Burnup report

Sprint burndown chart

Cumulative flow diagram

Cycle time report

Deployment frequency report

You're in a team-managed project

Learn more

Scope changes log

View in issue navigator

Date	Key	Summary	Issue type	Epic	Details of scope change	Change in estimation
2022-11-18	NAA-3*	Profile	Task		Issue added to sprint	-
2022-11-18	NAA-4*	Upload Image	Task		Issue added to sprint	-
2022-11-18	NAA-3	Profile	Task		Estimate of 10 has been added	- → 10
2022-11-18	NAA-4	Upload Image	Task		Estimate of 10 has been added	- → 10

Your sprint commitment has increased by 20 story points  
Due to scope changes: You have 20 story points to complete this sprint

Incomplete issues

View in issue navigator

Key	Summary	Issue type	Epic	Status	Assignee	Story points
NAA-3	Profile	Task		IN PROGRESS	PV	10
NAA-4	Upload Image	Task		TO DO	S	10