

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

Team ID	PNT2022TMID47316
Project Name	Data Analytics – Retail Store Stock Inventory Analysis
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a user, I can collect the dataset through the given dataset link.	2	High	Madhumitha, Abisha,
Sprint-1	Load the Dataset	USN-2	As a user, I can load the dataset with the tool IBM Cognos Analytics.	1	High	Deepika, Thiruthamizhi
Sprint-1	Data Preparation	USN-3	As a user, I can prepare the dataset to improve the charts.	2	Low	Abisha Deepika
Sprint-1	Format the data	USN-4	As a user, I can format the data.	2	Medium	Madhumitha, Thiruthamizhi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Data Exploration	USN-5	As a user, I can explore the data for the given charts.	5	High	Deepika, Madhumitha, Thiruthamizhi Abisha
Sprint-3	Dashboard Creation	USN-6	As a user, I can create a dashboard from the prepared dataset for the given chart.	5	High	Deepika, Madhumitha, Thiruthamizhi Abisha
Sprint-4	Report	USN-8	Report Creation	5	High	Deepika, Madhumitha, Thiruthamizhi Abisha
Sprint-4	Story	USN-8	Story Creation	5	High	Deepika, Madhumitha, Thiruthamizhi Abisha

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	6	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	15	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)

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

Sprint	Total story Points	Duration	Average Velocity
Sprint-1	6	6 Days	6/6=1
Sprint-2	15	6 Days	15/6=2.5

Sprint-3	20	6 Days	$20/6=3.33$
Sprint-4	20	6 Days	$20/6=3.33$
Total	61	24 Days	$61/24=2.54$

Jira Screenshots

The screenshot displays the Jira Backlog for the project 'RSSI'. The interface includes a top navigation bar with 'Jira Software', 'Your work', 'Projects', 'Filters', 'Dashboards', 'People', and 'Apps'. A search bar is located on the right. The main content area shows the 'Backlog' for 'RSSI' with a search bar and a filter set to 'Epic'. Two sprints are visible:

- RSSI Sprint 2** (31 Oct – 5 Nov, 1 issue):
 - RSSI-22: As a user, I can explore the data for the given charts. [DATA EXPLORATION](#) (5) TO DO
- RSSI Sprint 1** (24 Oct – 29 Oct, 4 issues):
 - RSSI-2: As a user, I can collect the dataset through the given dataset link. [DATA COLLECTION](#) (2) TO DO
 - RSSI-4: As a user, I can load the dataset with the tool IBM Cognos Analytics. [LOAD THE DATASET](#) (1) TO DO
 - RSSI-5: As a user, I can prepare the dataset to improve the charts. [DATA PREPARATION](#) (2) TO DO
 - RSSI-9: As a user, I can format the data. [FORMAT THE DATA](#) (2) TO DO

Each issue entry includes a status icon (green circle with a white dot) and a 'TO DO' label. A '+ Create issue' button is present at the bottom of each sprint's list.

Projects / RSSI

Backlog

Search

A DS T

Epic

Insights

RSSI Sprint 3 7 Nov – 12 Nov (1 issue)

5 0 0 Start sprint

RSSI-14 As a user, I can create a dashboard from the prepared dataset for the given chart. DASHBOARD CREATION

5 TO DO DS

+ Create issue

RSSI Sprint 4 14 Nov – 19 Nov (2 issues)

10 0 0 Start sprint

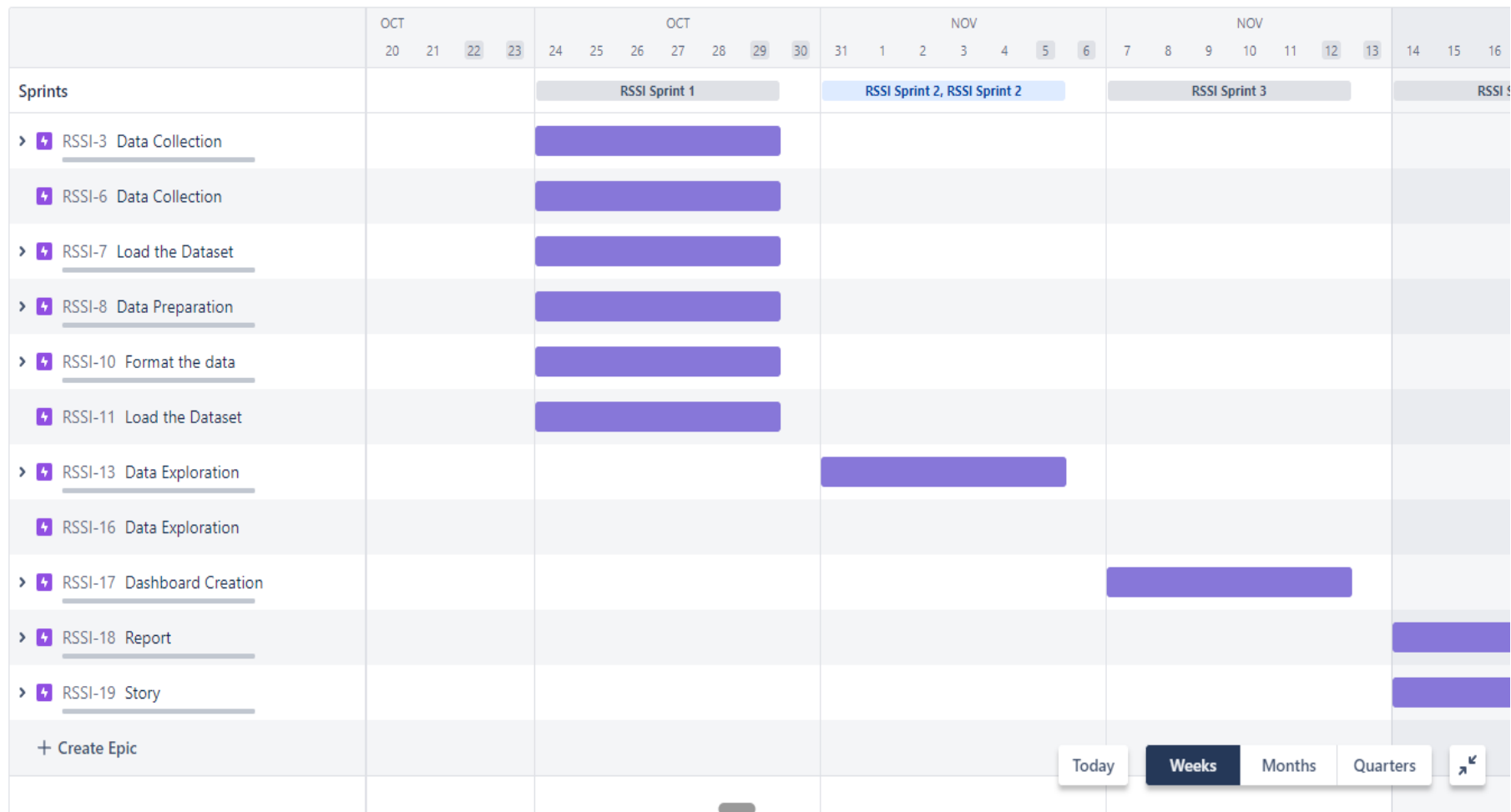
RSSI-15 Report Creation REPORT

5 TO DO

RSSI-20 Story Creation STORY

5 TO DO A

+ Create issue



Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>