BHARATIYA VIDYA BHAVANS
SARDAR PATEL INSTITUTE OF TECHNOLOGY
Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai

Experiment 8

Group Members:

Shreya Shetty 2019140059

Shruti Shetty 2019140060

Project Title: Resort Property Management System

Aim: To explore the project management tool Jira

Problem Statement:

Create a team in JIRA -log issues, mention criticality.
Sort issues in terms of its critically.
List unresolved issues along with a timestamp. Measure cycle time.
Execute both simple and advanced queries. Create reports
Refer to the attached file.
Sample issues: https://www.drupal.org/project/issues

JIRA combines:

- Issue tracking - a software application that allows to record and follow the progress of every problem or "issue" that user identifies until the problem is resolved.
- Agile project management - an iterative approach to planning and guiding project processes.
- Customizable workflow, and a pluggable integration - integrates with Freshdesk, GitHub, Zendesk, Zapbook, Asana and so on.
- The kanban board to increase the velocity - consist of to do/in progress/in review/done divisions

For trial purpose go to https://www.atlassian.com/software/jira and choose a trial version. Create an account with JIRA for trial vesion (with 'Create now' option you can choose a site name and create your own account.)

What Is Agile Methodology in Project Management?

The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating. Continuous collaboration is vital, both with team members and project stakeholders.

Agile methodologies overview

The Agile Manifesto of Software Development put forth a groundbreaking mindset on delivering value and collaborating with customers when it was created in 2001. Agile's four main values are:

- Individuals and interactions over processes and tools
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan

Agile project management

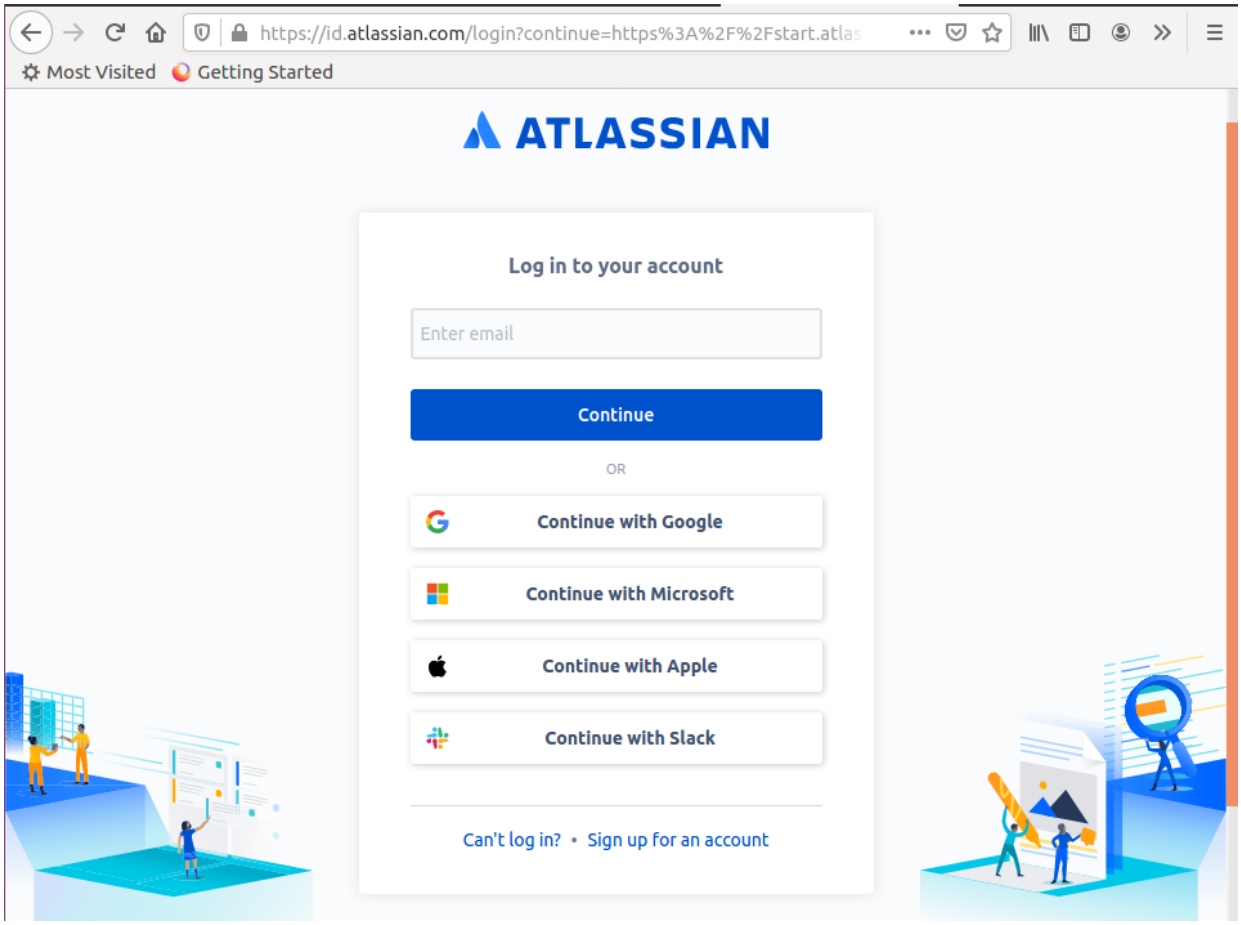
So what is Agile methodology in project management? It’s a process for managing a project that involves constant collaboration and working in iterations. Agile project management works off the basis that a project can be continuously improved upon throughout its life cycle, with changes being made quickly and responsively.

Agile is one of the most popular approaches to project management due to its flexibility, adaptability to change, and high level of customer input.

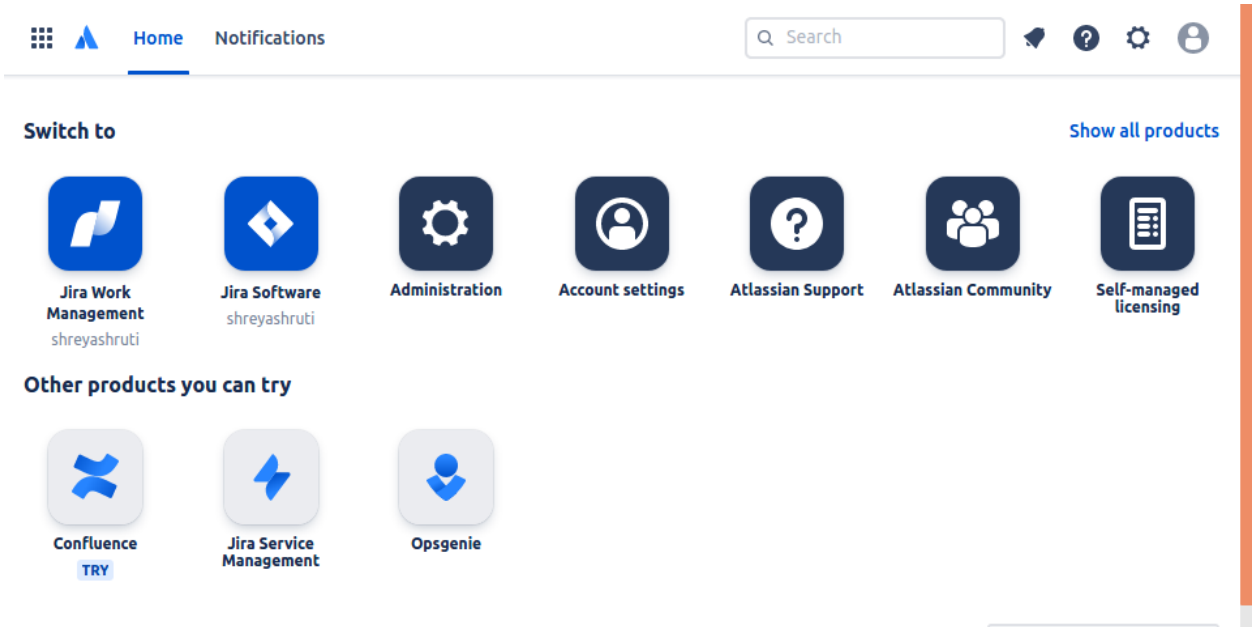
Agile methodologies frameworks

Agile project management is not a singular framework — rather, it can be used as an umbrella term to include many different frameworks. Agile project management can refer to terms including Scrum, Kanban, Extreme Programming (XP), and Adaptive Project Framework (APF).

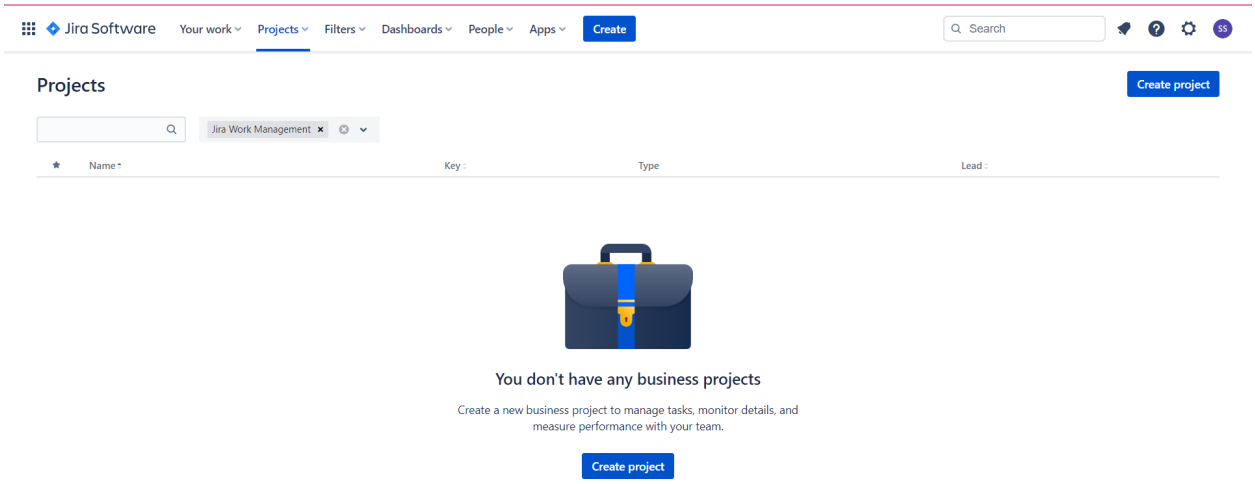
Sign up in Jira:



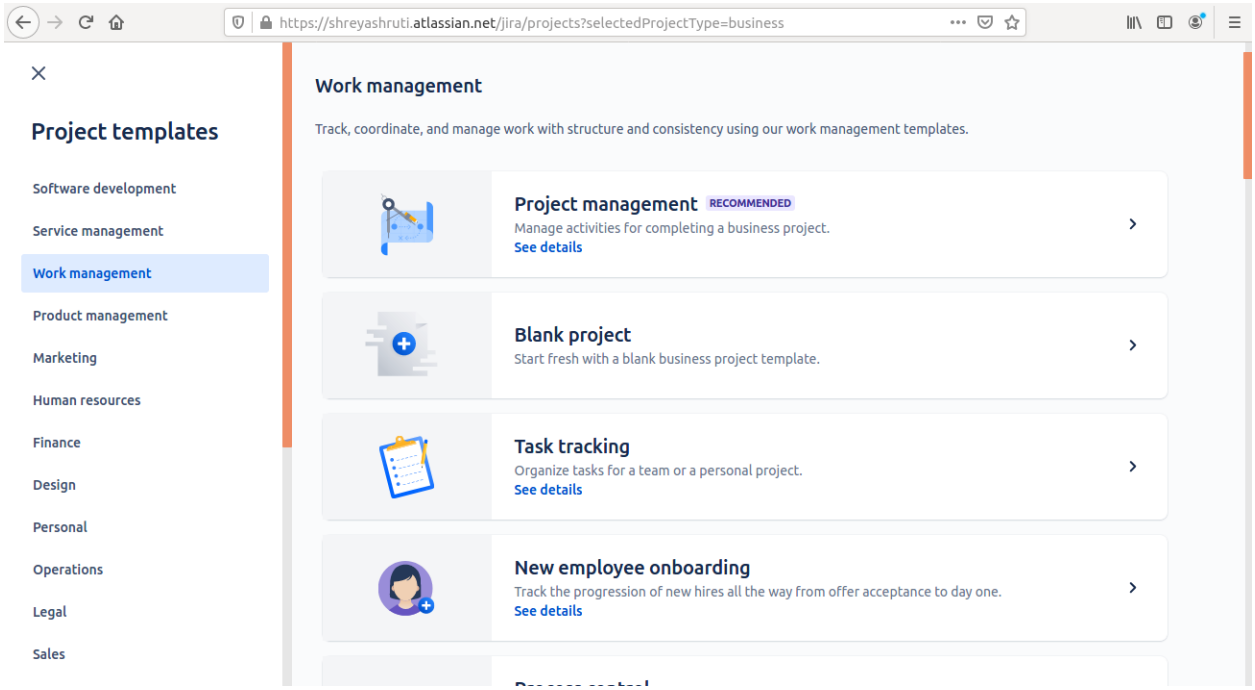
Home Page of Jira:



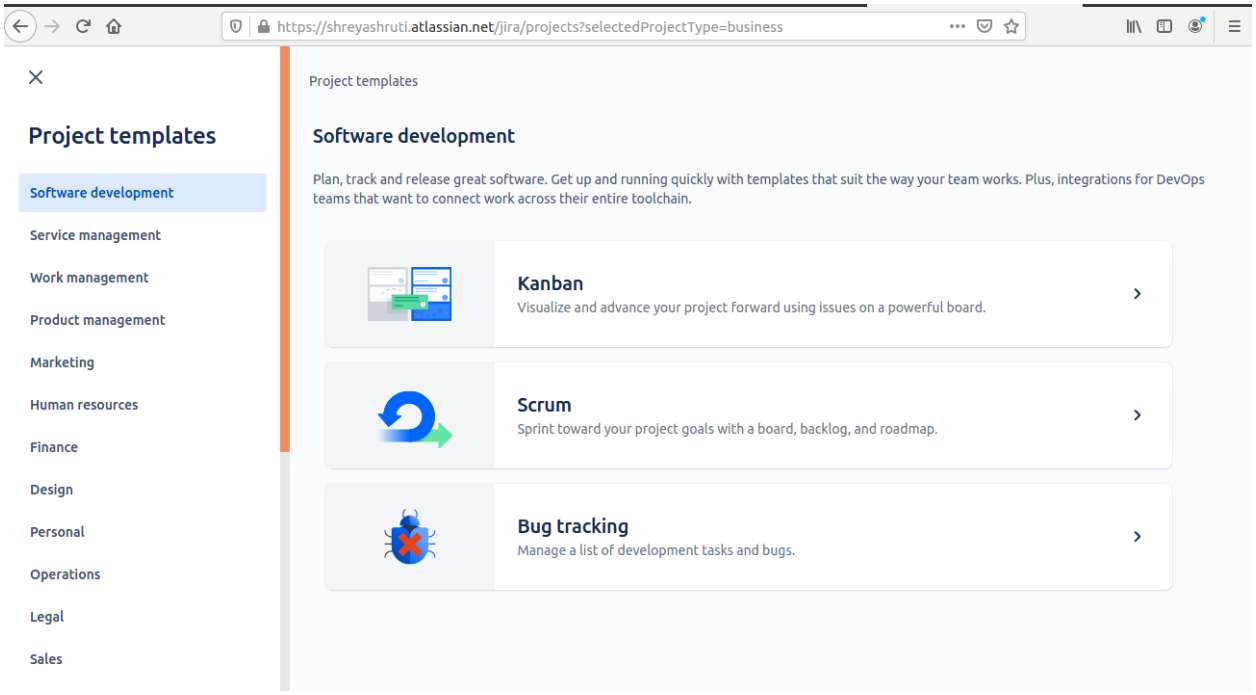
Create a Project:

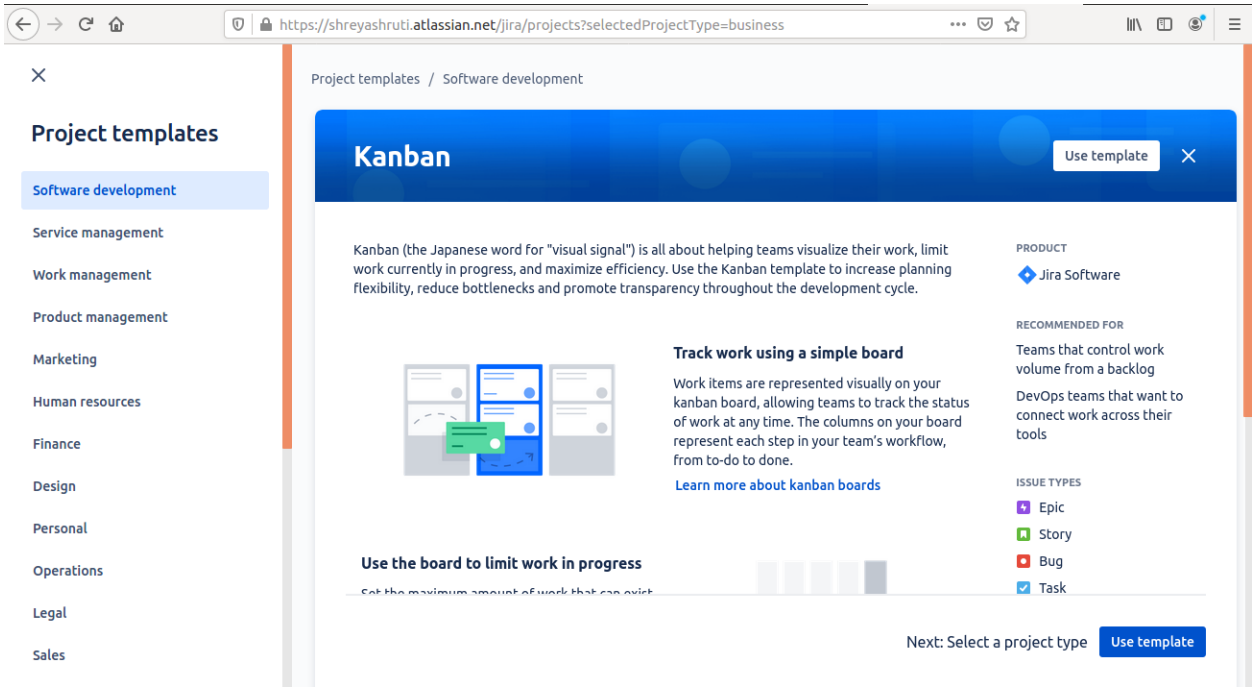


Select Project Template:

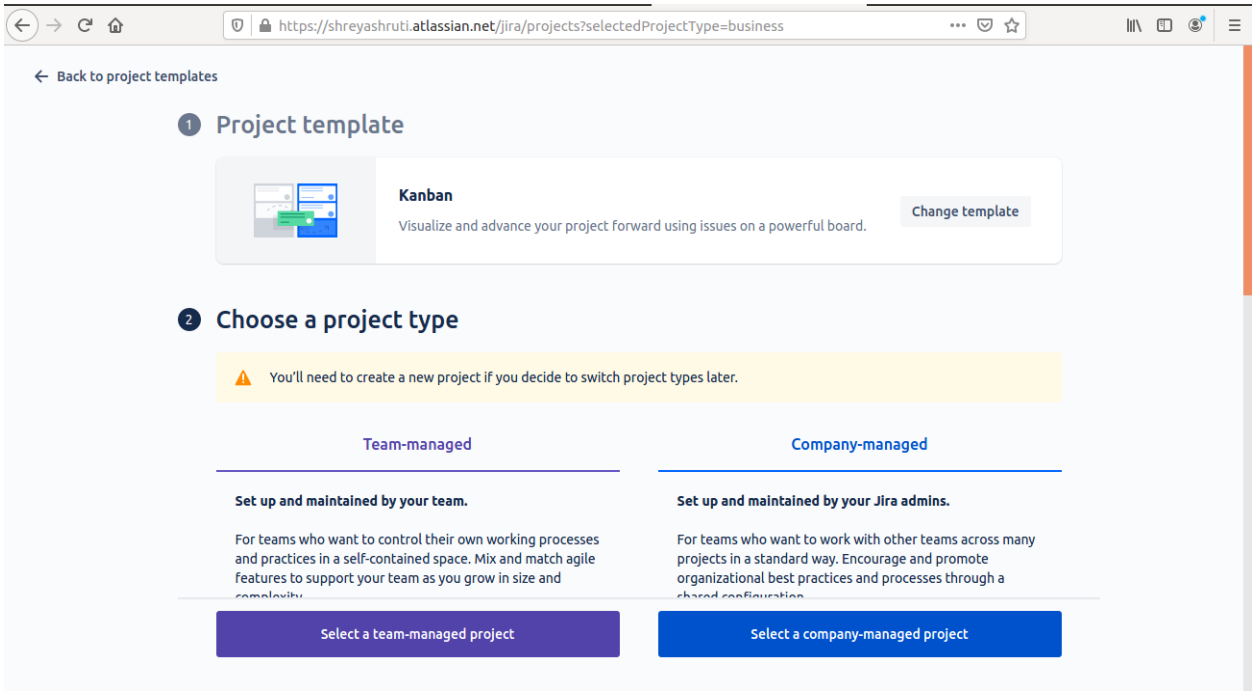


Select Kanban Software Development Template:

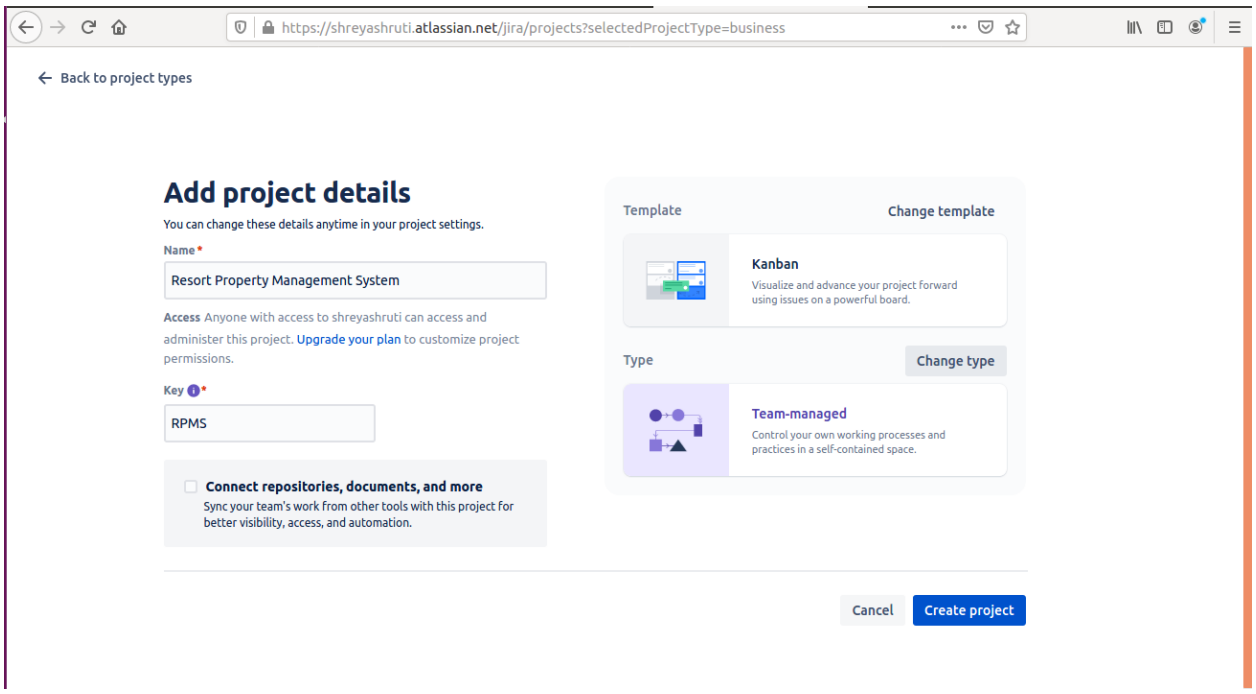




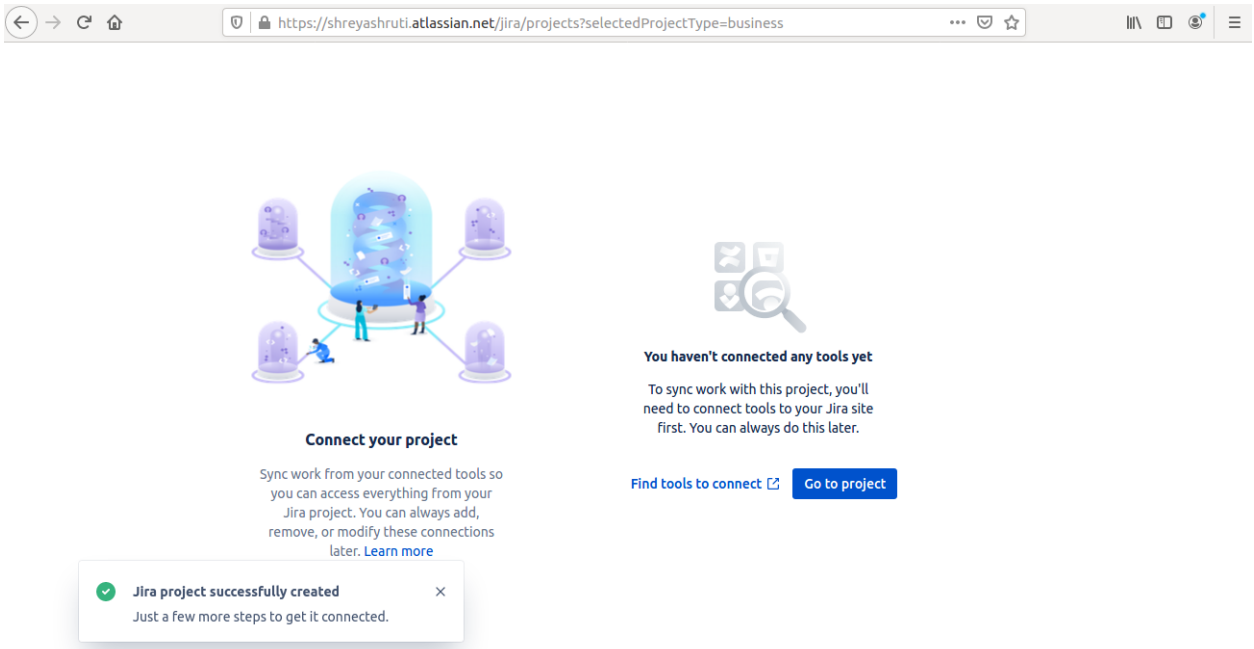
Choosing a project Type:



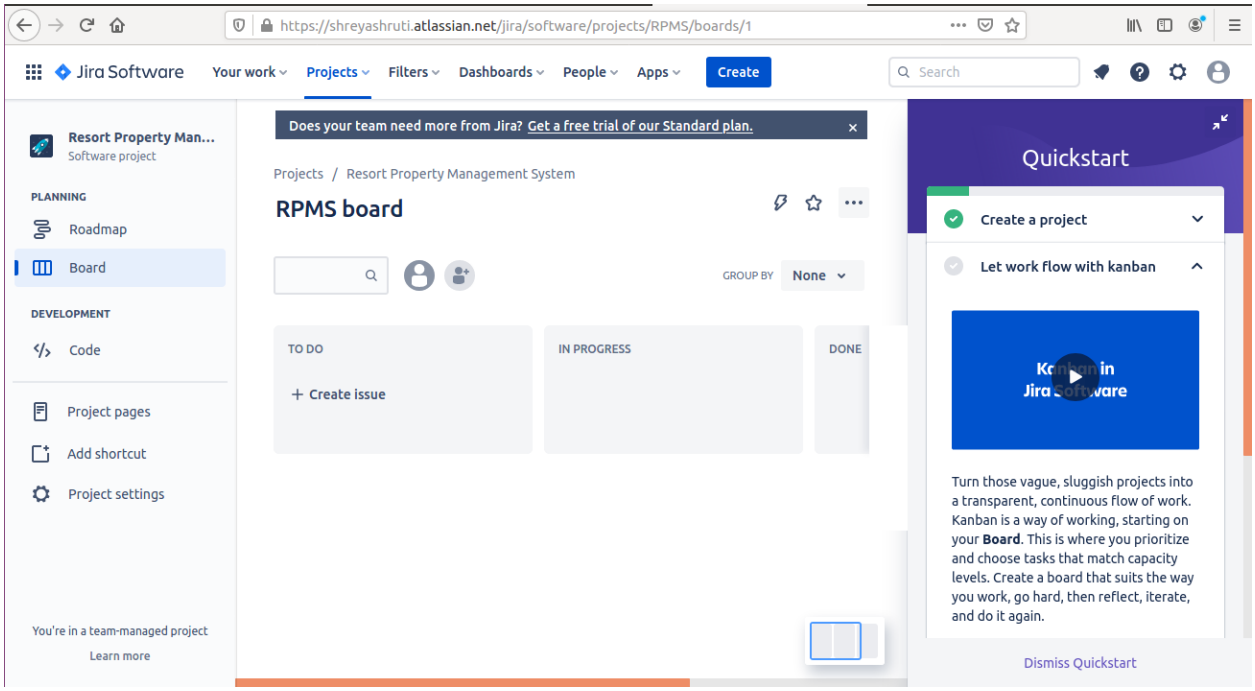
Adding Project Details:



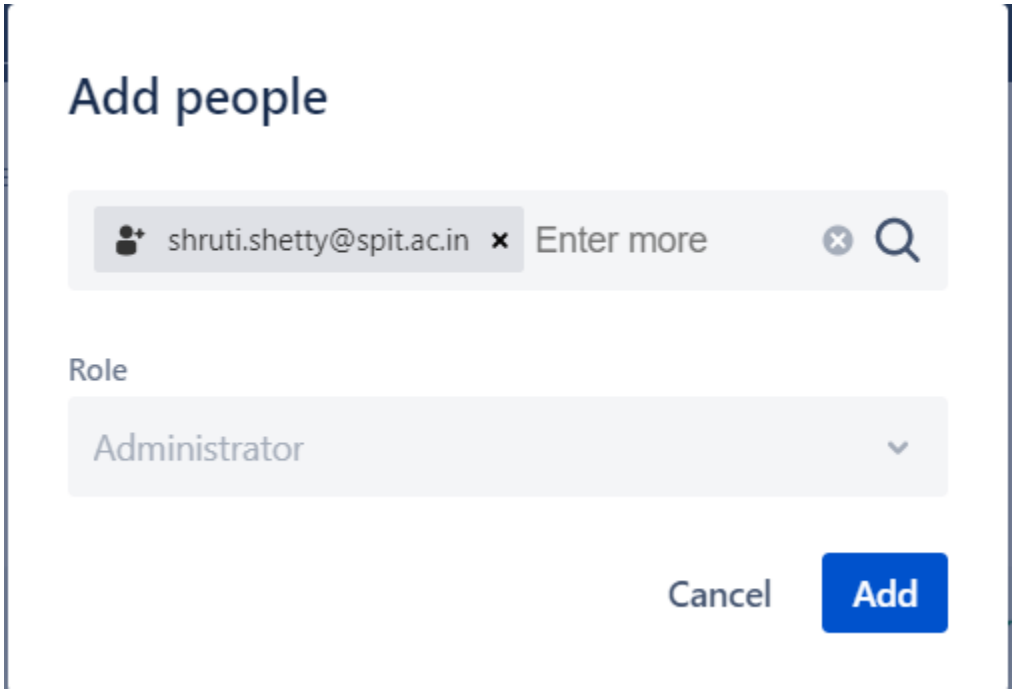
Project Created Successfully:



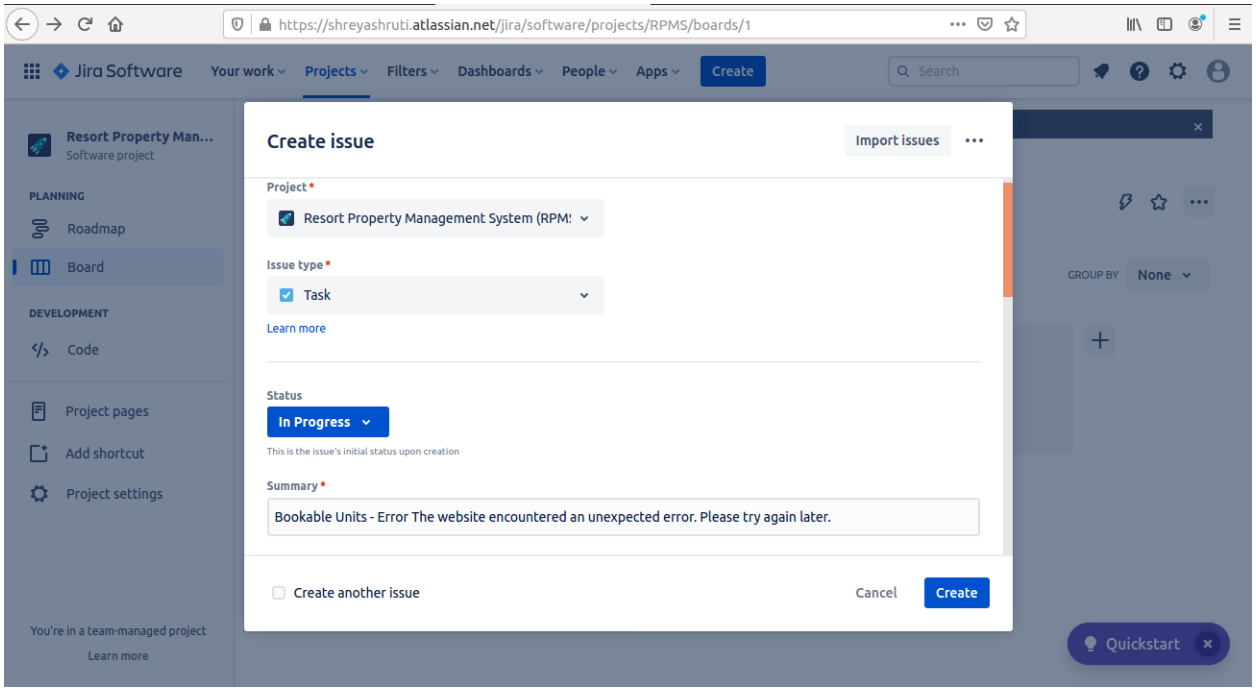
Main Board of Project:

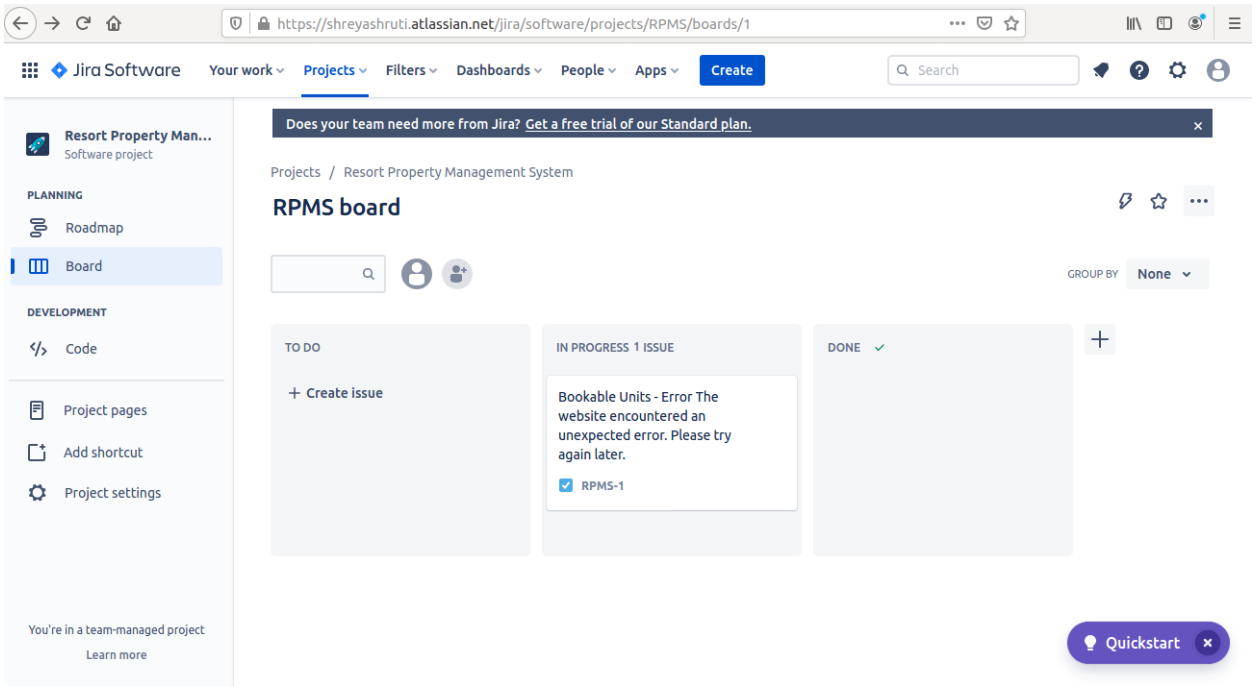


Adding Members:

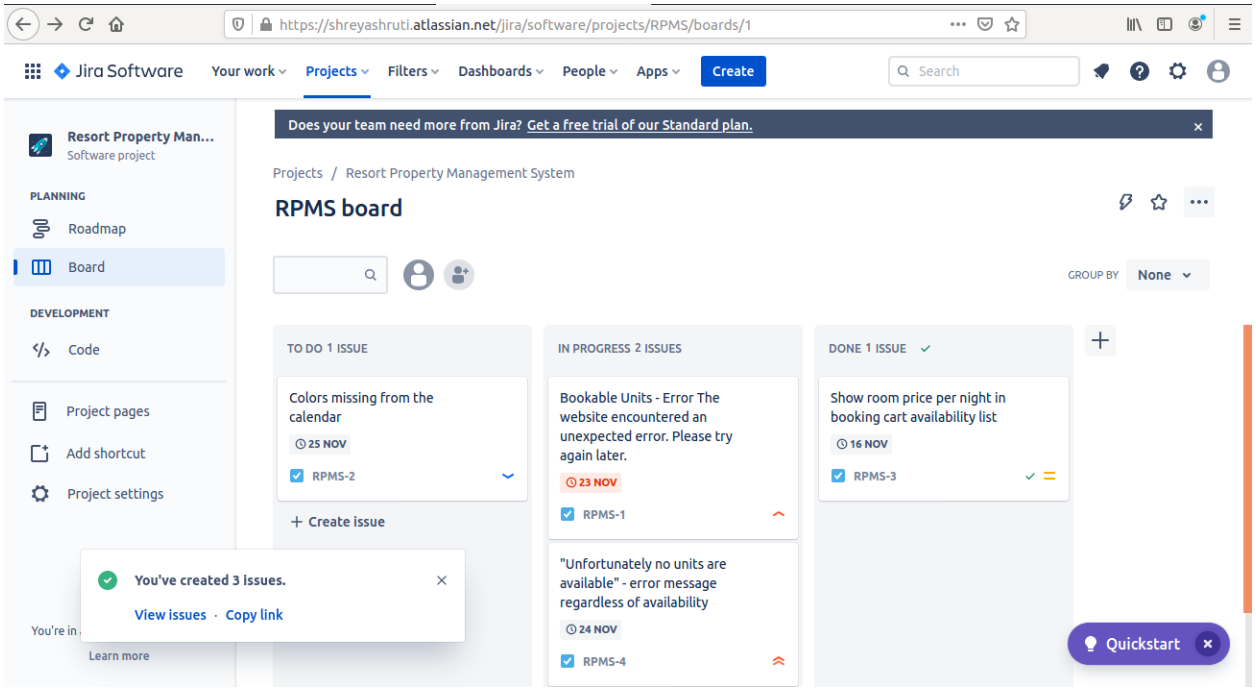


Creating a new issue:

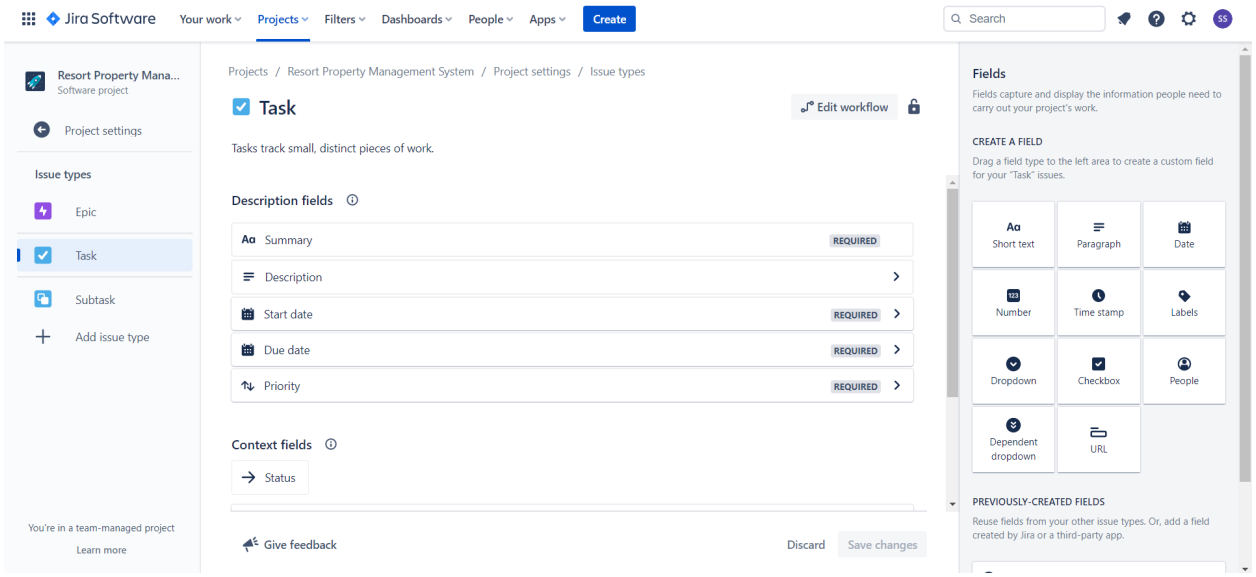


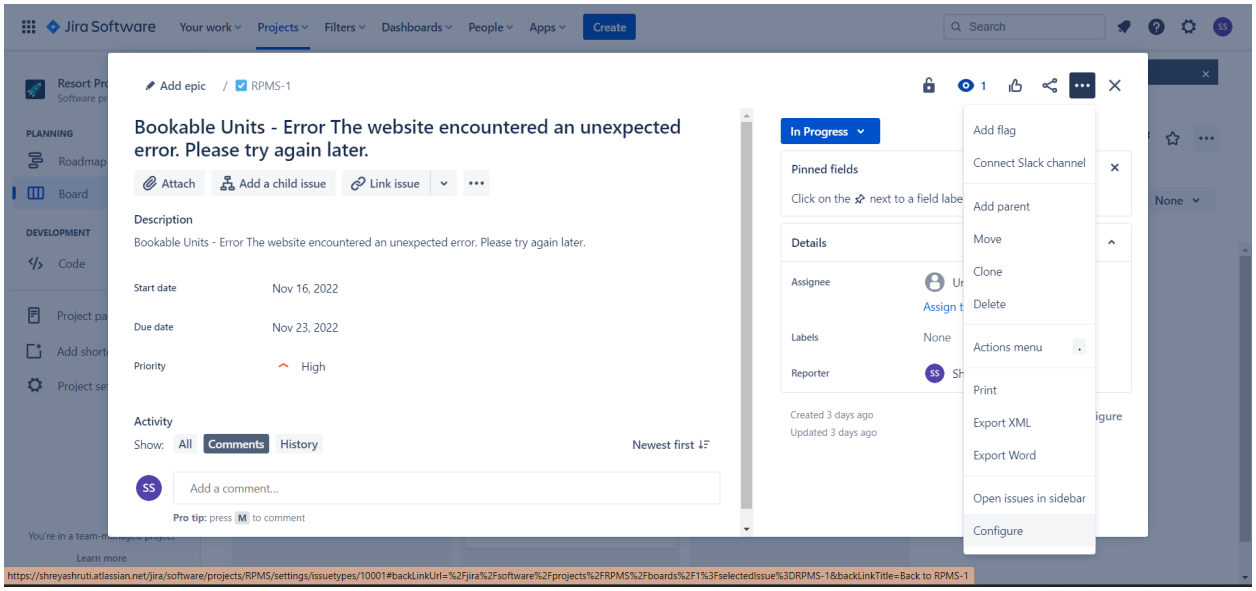


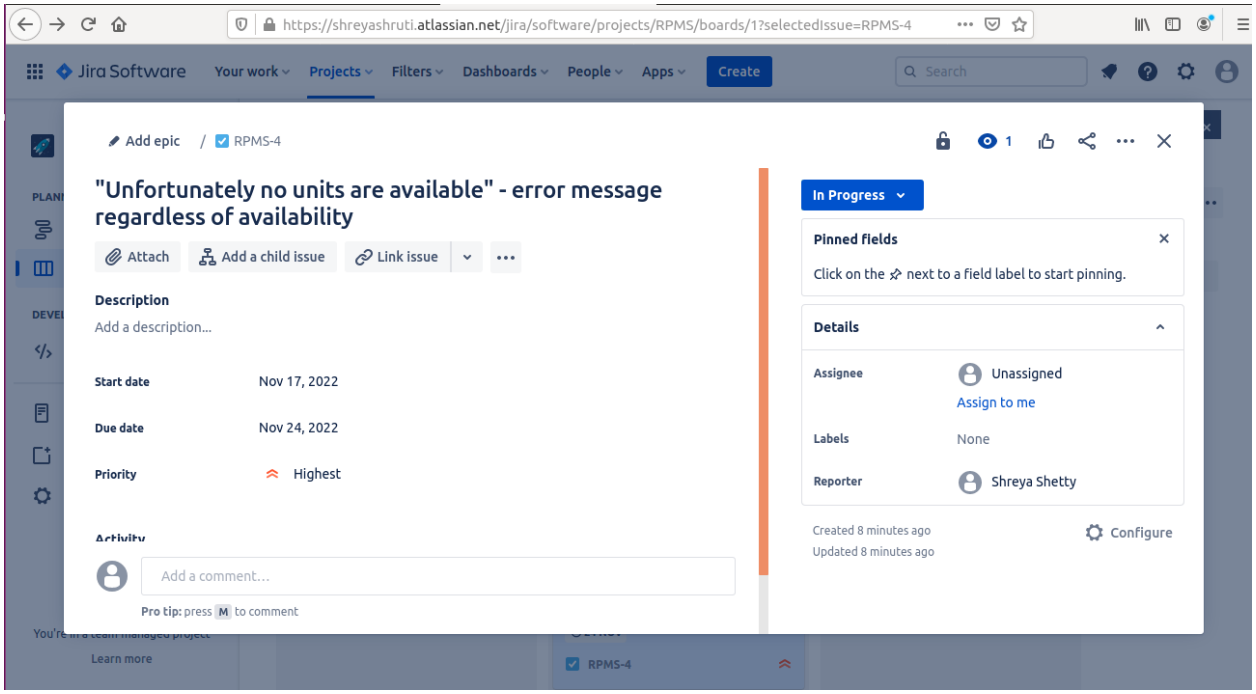
Creating 3 more issues:

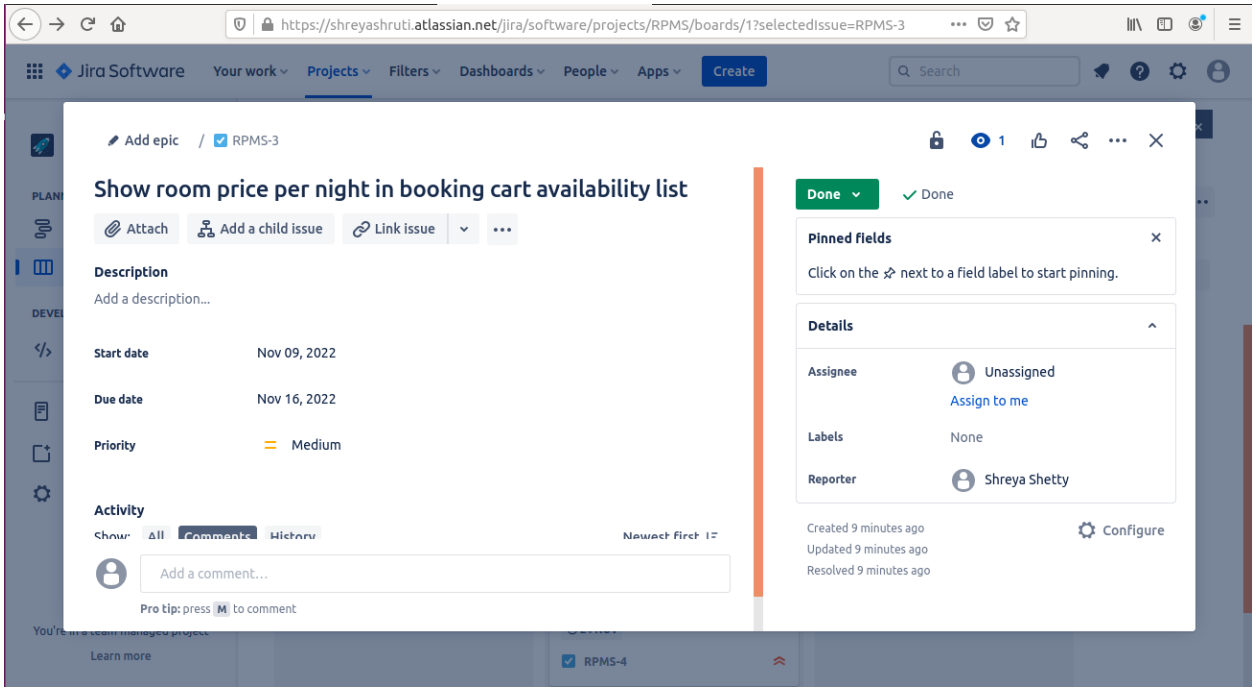


Adding Priority and deadlines to all issues:






https://shreyashruti.atlassian.net/jira/software/projects/RPMS/boards/1?selectedIssue=RPMS-4
Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Add epic
RPMS-4
"Unfortunately no units are available" - error message regardless of availability
Attach
Add a child issue
Link issue
Description
Add a description...
Start date
Nov 17, 2022
Due date
Nov 24, 2022
Priority
Highest
Activity
Add a comment...
Pro tip: press M to comment
In Progress
Pinned fields
Click on the next to a field label to start pinning.
Details
Assignee
Unassigned
Assign to me
Labels
None
Reporter
Shreya Shetty
Created 8 minutes ago
Updated 8 minutes ago
Configure
Learn more
RPMS-4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Dashboards
People
Apps
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Search
Add epic
RPMS-3
Show room price per night in booking cart availability list
Attach
Add a child issue
Link issue
Description
Add a description...
Start date
Nov 09, 2022
Due date
Nov 16, 2022
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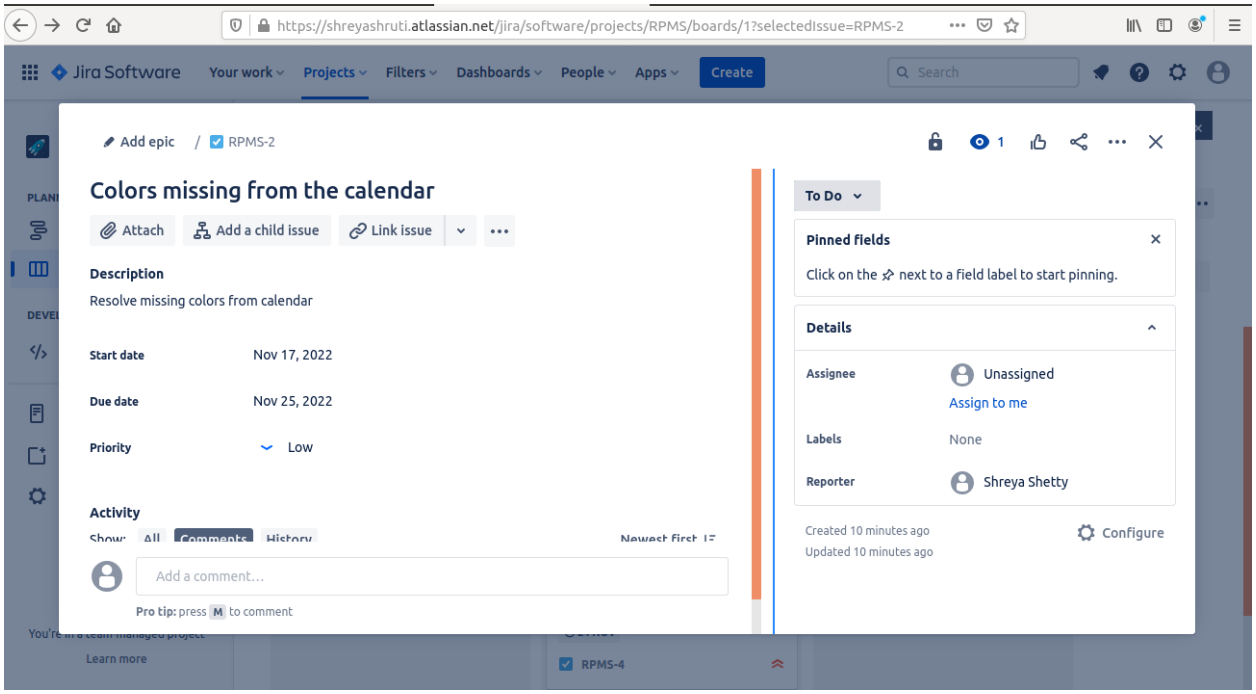
Medium
Activity
Add a comment...
Pro tip: press M to comment
Done
Done
Pinned fields
Click on the next to a field label to start pinning.
Details
Assignee
Unassigned
Assign to me
Labels
None
Reporter
Shreya Shetty
Created 9 minutes ago
Updated 9 minutes ago
Resolved 9 minutes ago
Configure
Learn more
RPMS-4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Dashboards
People
Apps
Create
Search
Add epic
RPMS-2
Colors missing from the calendar
Attach
Add a child issue
Link issue
Description
Resolve missing colors from calendar
Start date
Nov 17, 2022
Due date
Nov 25, 2022
Priority
Low
Activity
Add a comment...
Pro tip: press M to comment
To Do
Pinned fields
Click on the next to a field label to start pinning.
Details
Assignee
Unassigned
Assign to me
Labels
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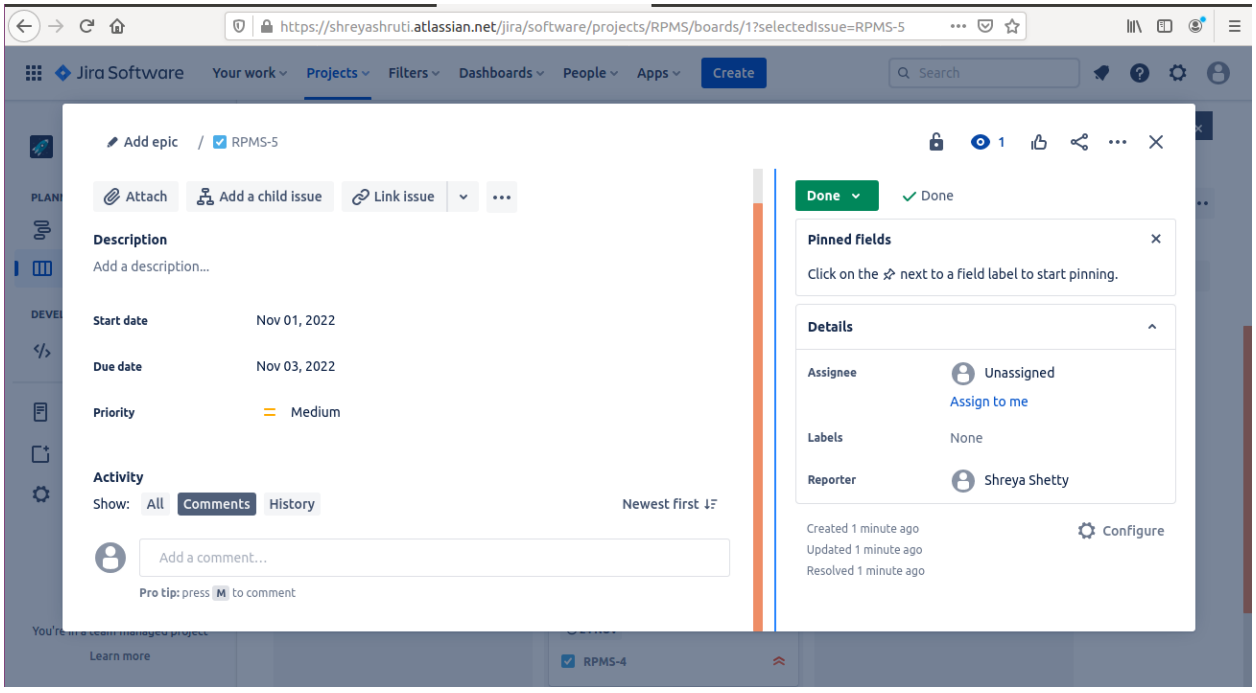
Reporter
Shreya Shetty
Created 10 minutes ago
Updated 10 minutes ago
Configure
RPMS-4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Dashboards
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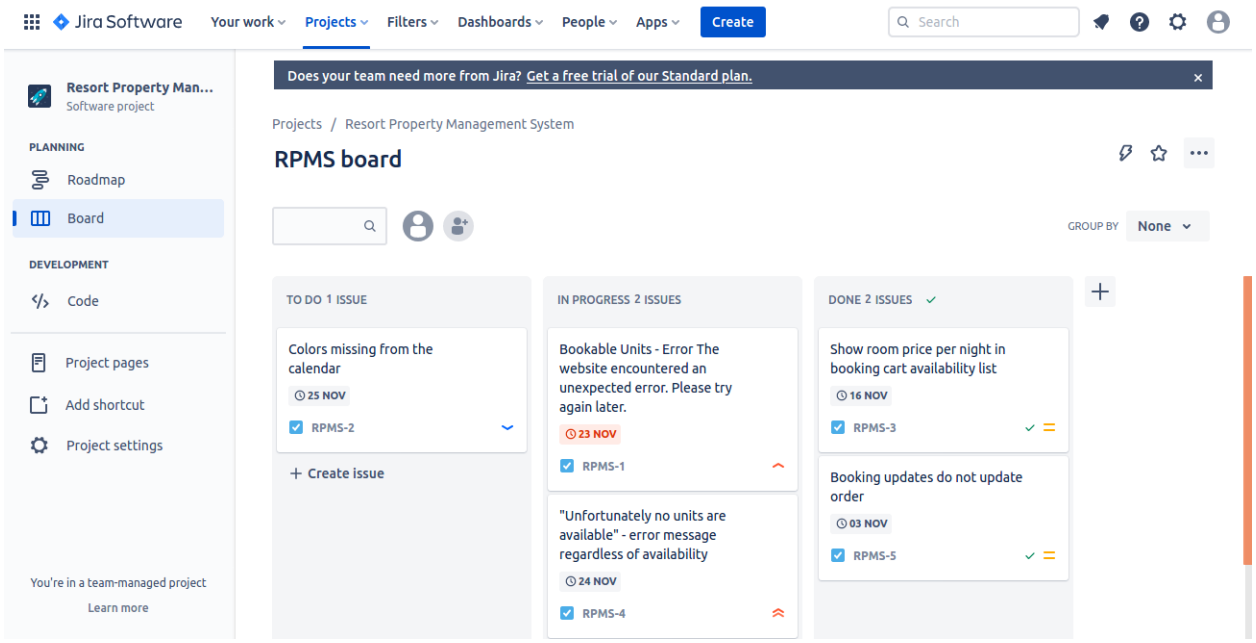
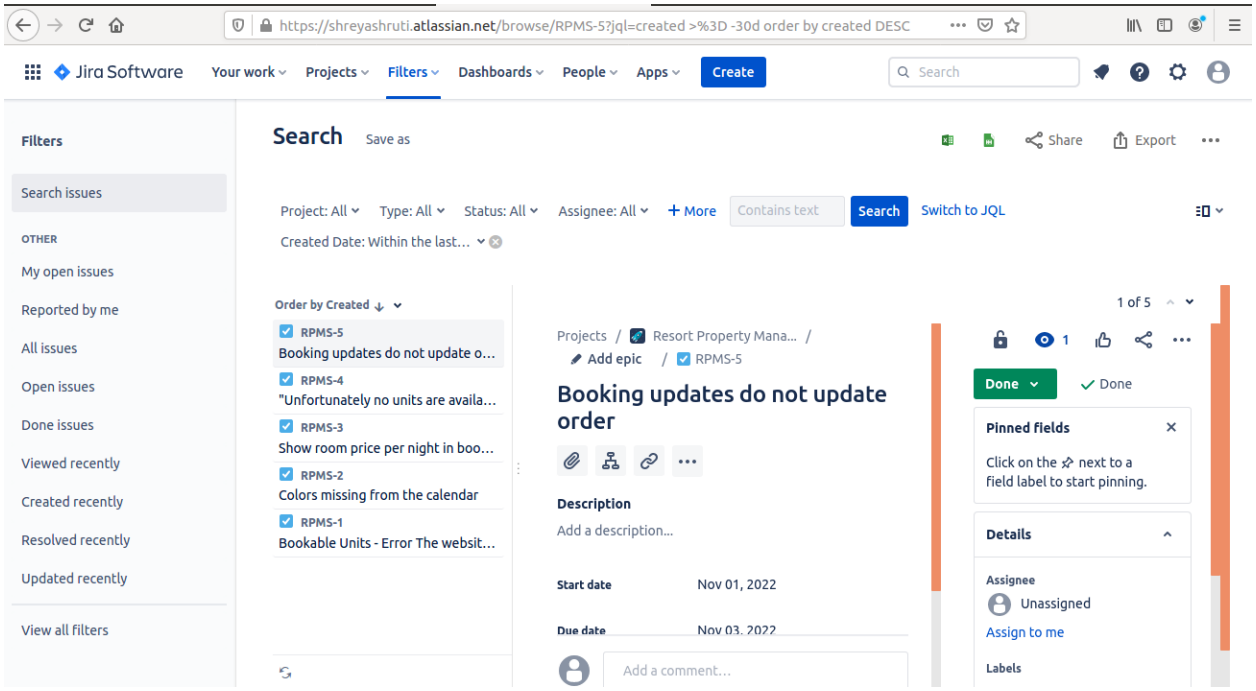
Apps
Create
Search
Add epic
RPMS-5
Attach
Add a child issue
Link issue
Description
Add a description...
Start date
Nov 01, 2022
Due date
Nov 03, 2022
Priority
Medium
Activity
Show:
All
Comments
History
Newest first
Add a comment...
Pro tip: press M to comment
Done
Done
Pinned fields
Click on the next to a field label to start pinning.
Details
Assignee
Unassigned
Assign to me
Labels
None
Reporter
Shreya Shetty
Created 1 minute ago
Updated 1 minute ago
Resolved 1 minute ago
Configure
RPMS-4

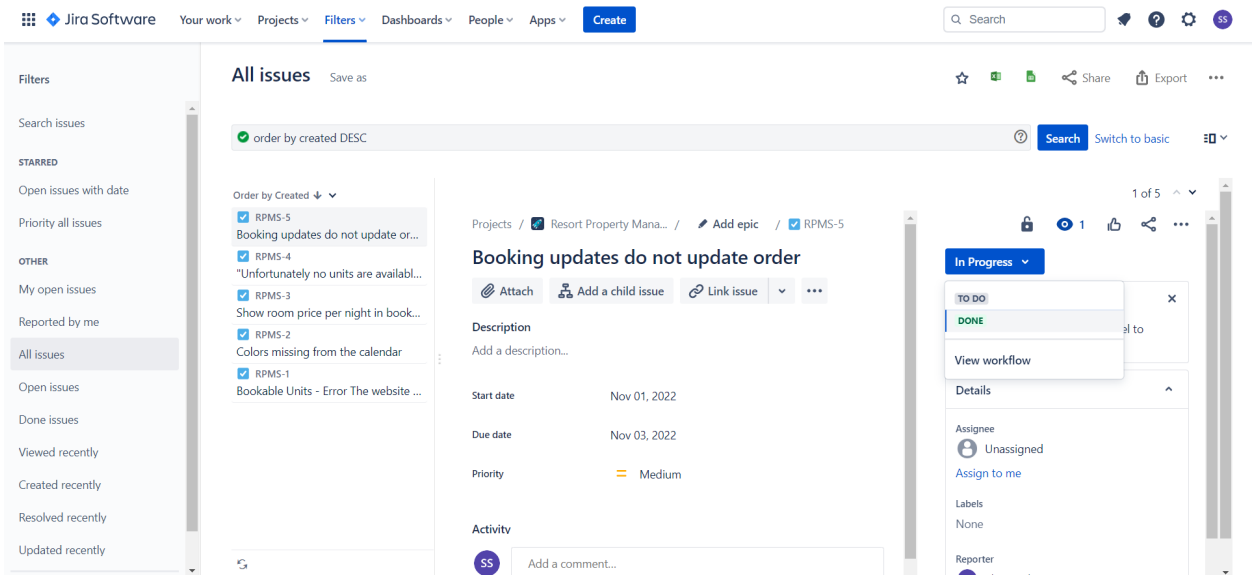
Final Board of with all 5 issues:



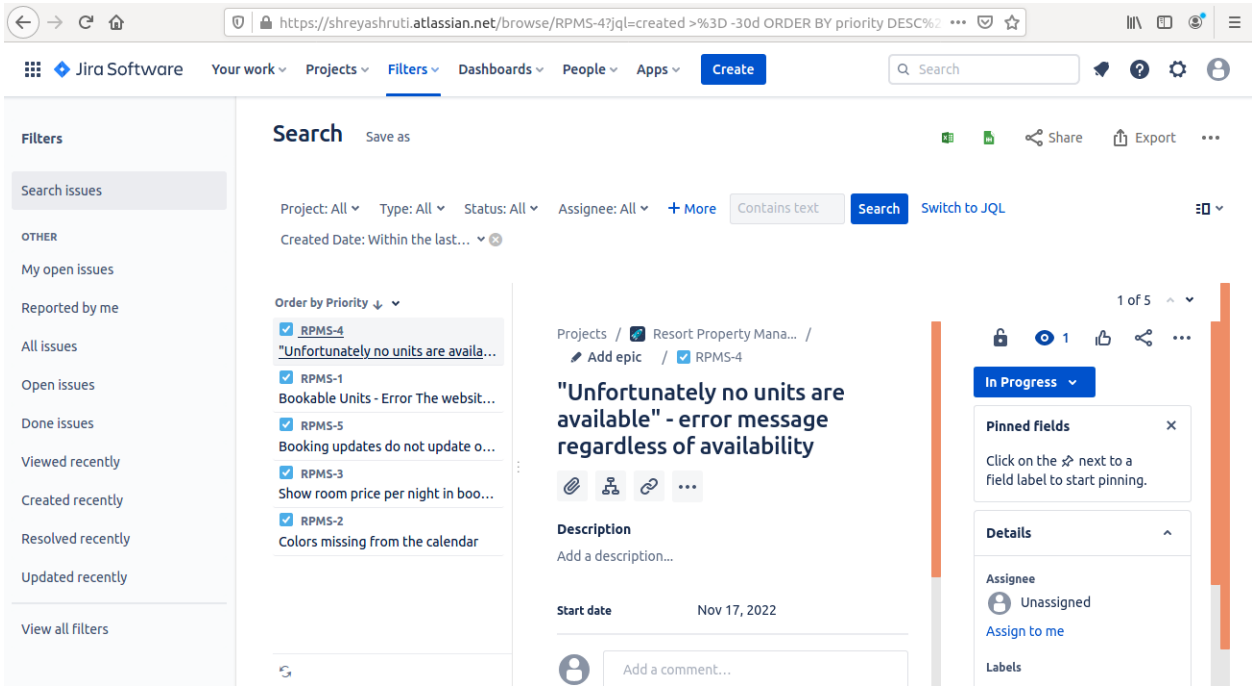
Listing issues by Search:

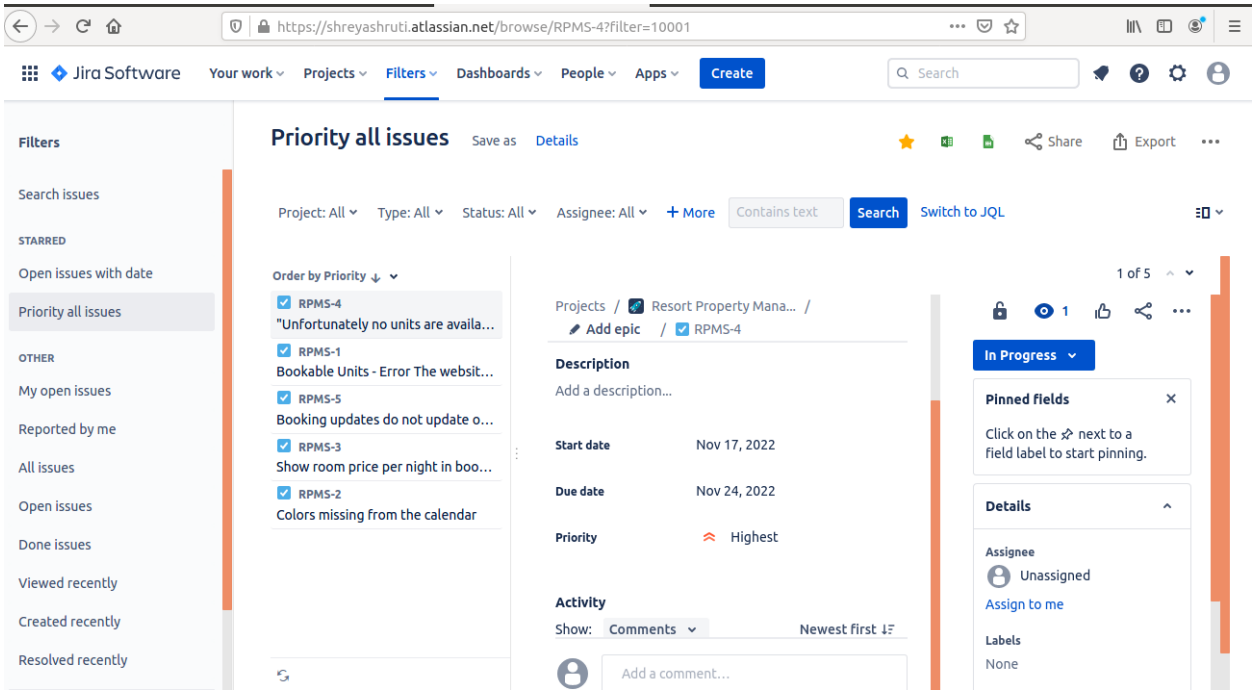


Marking RPMS-5 issue (Booking updates do not update order) as Done:

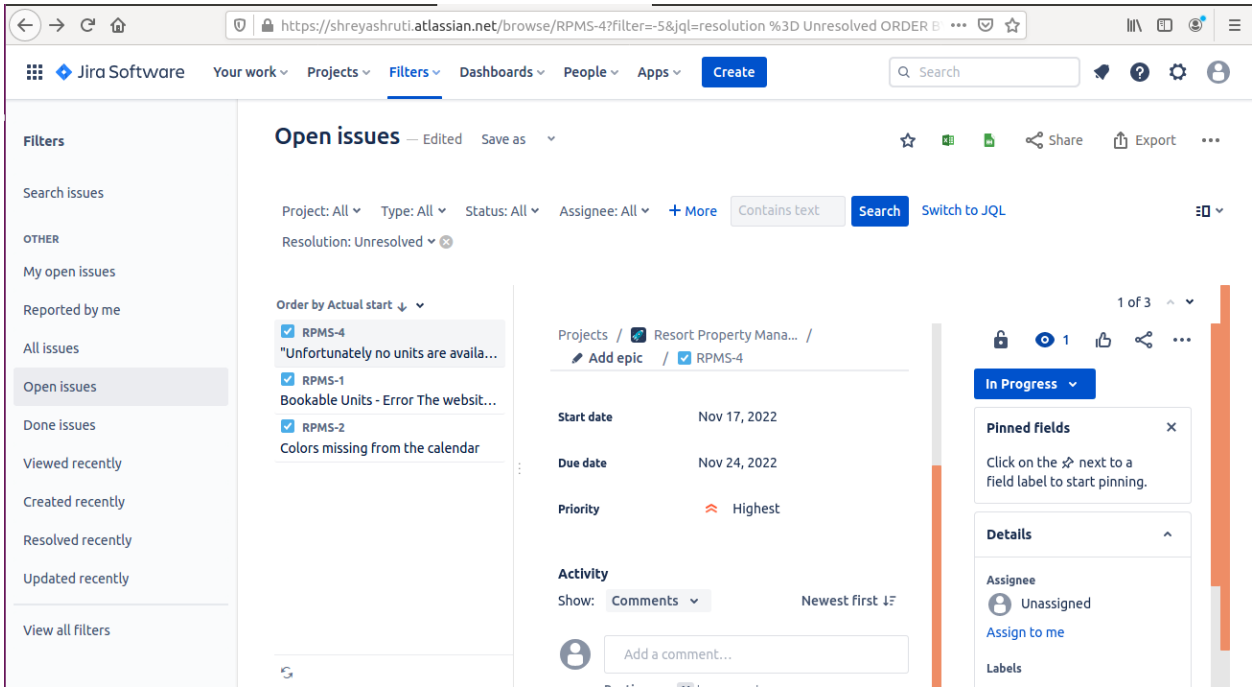


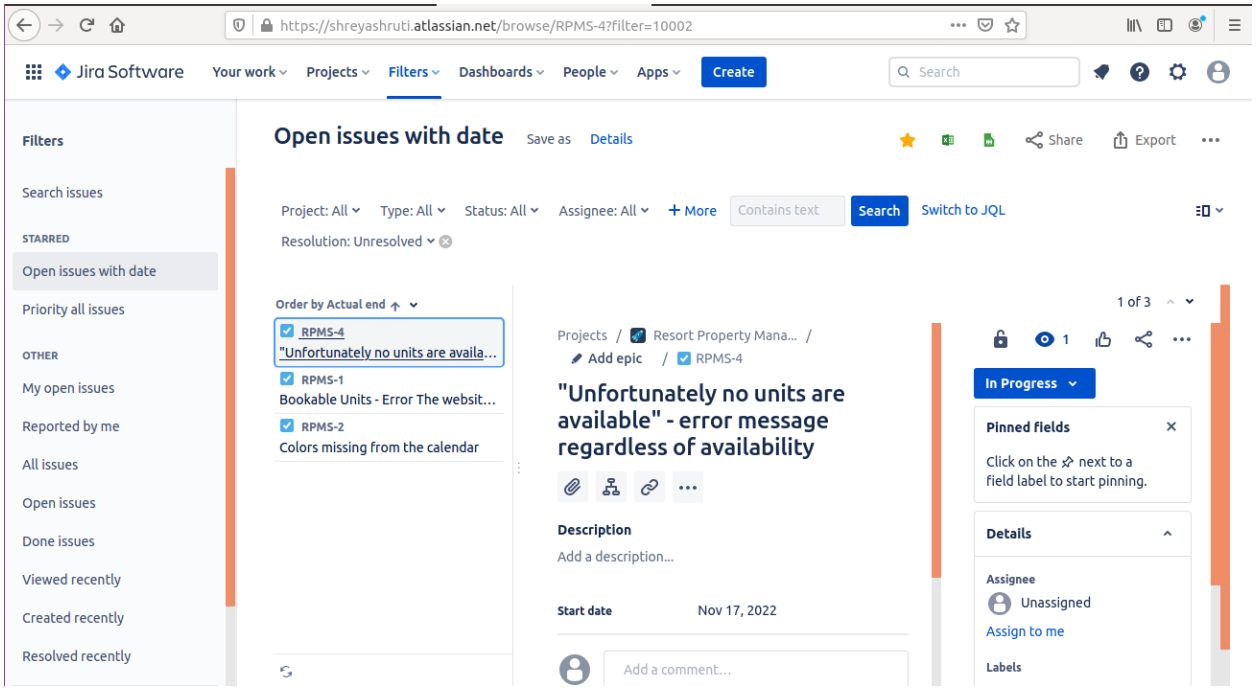
Order by priority:





Sorting all open issues by Date:

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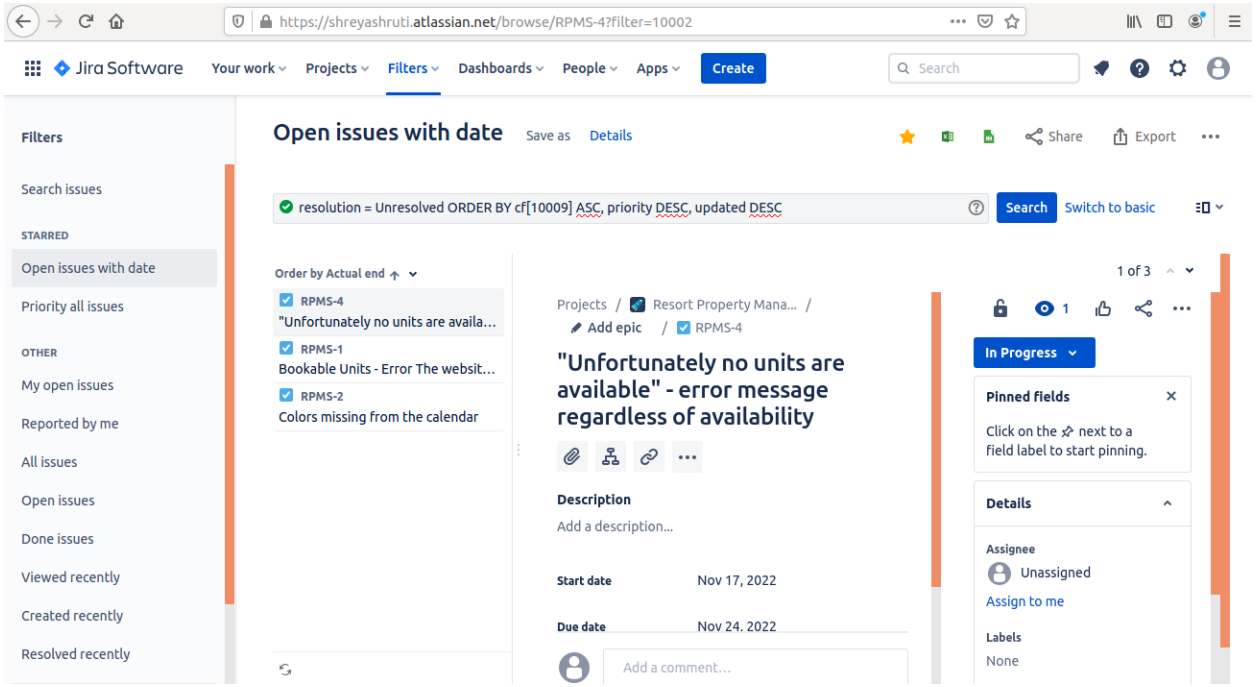
Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Filters
Search issues
STARRED
Open issues with date
Priority all issues
OTHER
My open issues
Reported by me
All issues
Open issues
Done issues
Viewed recently
Created recently
Resolved recently
Open issues with date
Save as
Details
Share
Export
Project: All
Type: All
Status: All
Assignee: All
+ More
Contains text
Search
Switch to JQL
Resolution: Unresolved
Order by Actual end
RPMS-4
"Unfortunately no units are availa...
RPMS-1
Bookable Units - Error The websit...
RPMS-2
Colors missing from the calendar
Projects / Resort Property Mana... /
Add epic / RPMS-4
"Unfortunately no units are available" - error message regardless of availability
Description
Add a description...
Start date
Nov 17, 2022
Add a comment...
1 of 3
1
In Progress
Pinned fields
Click on the next to a field label to start pinning.
Details
Assignee
Unassigned
Assign to me
Labels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Jira Software
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Projects
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People
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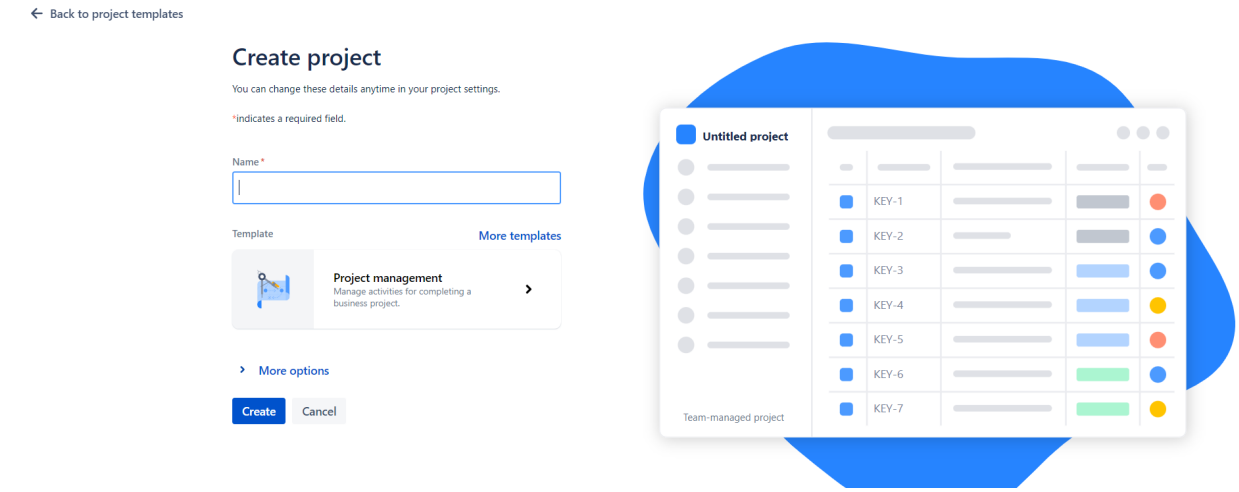
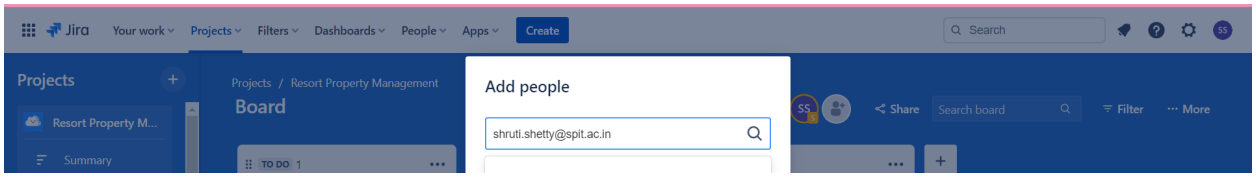
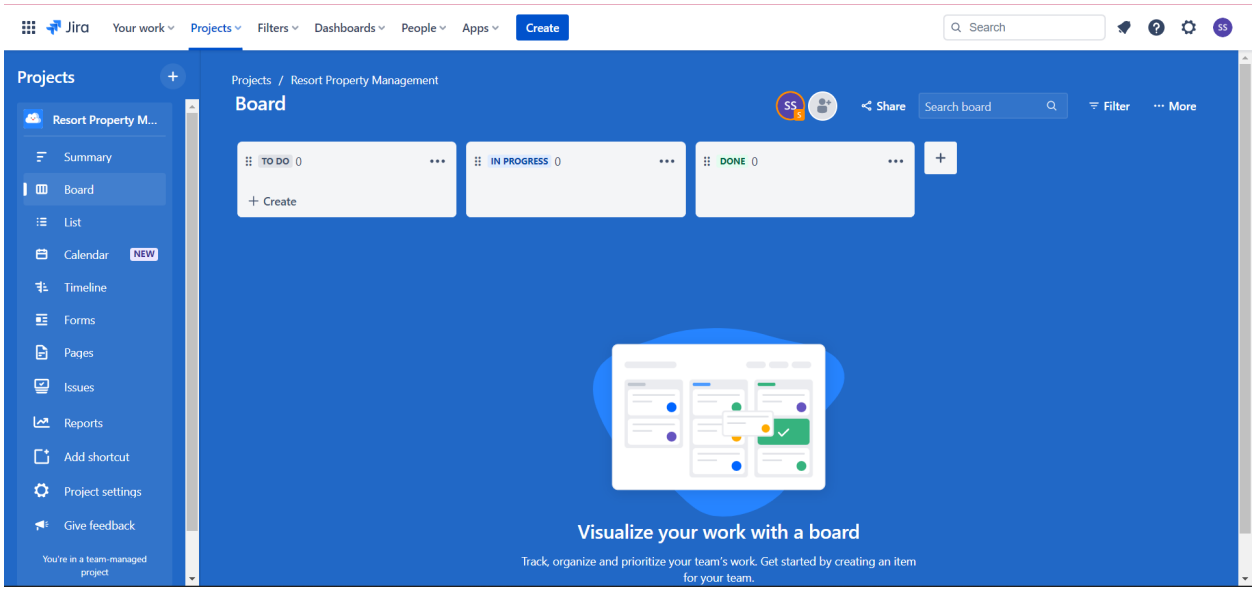
Create
Search
Filters
Search issues
STARRED
Open issues with date
Priority all issues
OTHER
My open issues
Reported by me
All issues
Open issues
Done issues
Viewed recently
Created recently
Resolved recently
Open issues with date
Save as
Details
Share
Export
resolution = Unresolved ORDER BY cf[10009] ASC, priority DESC, updated DESC
Search
Switch to basic
Order by Actual end
RPMS-4
"Unfortunately no units are availa...
RPMS-1
Bookable Units - Error The websit...
RPMS-2
Colors missing from the calendar
Projects / Resort Property Mana... /
Add epic / RPMS-4
"Unfortunately no units are available" - error message regardless of availability
Description
Add a description...
Start date
Nov 17, 2022
Due date
Nov 24, 2022
Add a comment...
1 of 3
1
In Progress
Pinned fields
Click on the next to a field label to start pinning.
Details
Assignee
Unassigned
Assign to me
Labels
None

Creating a new work management project & adding team members:

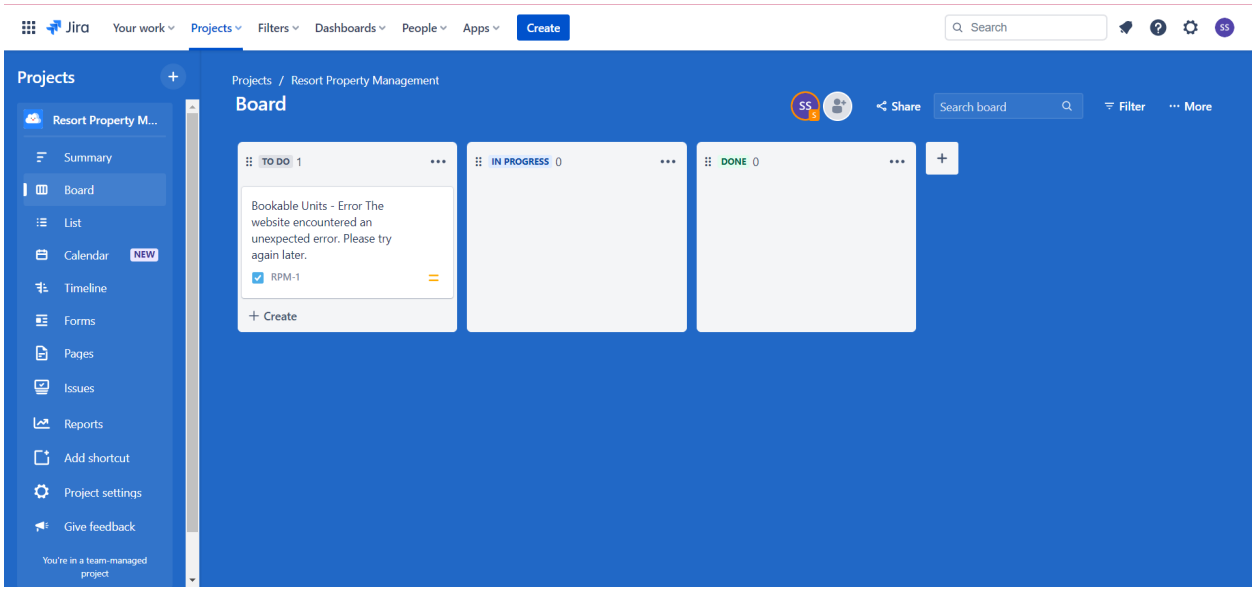




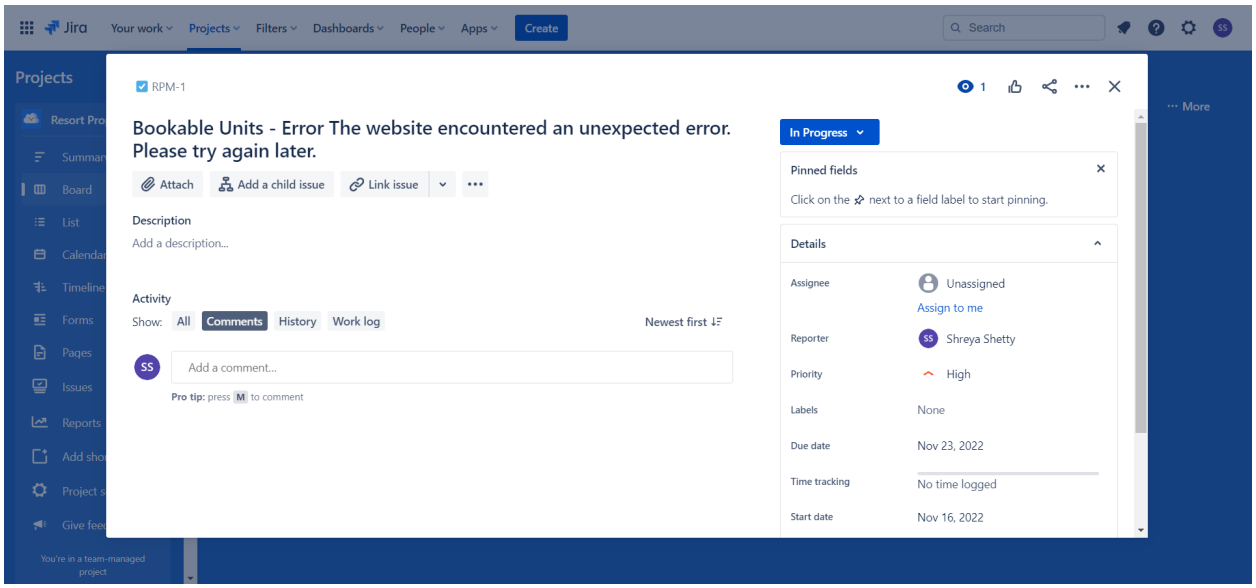
Board Page of New Resort Property Management Project:



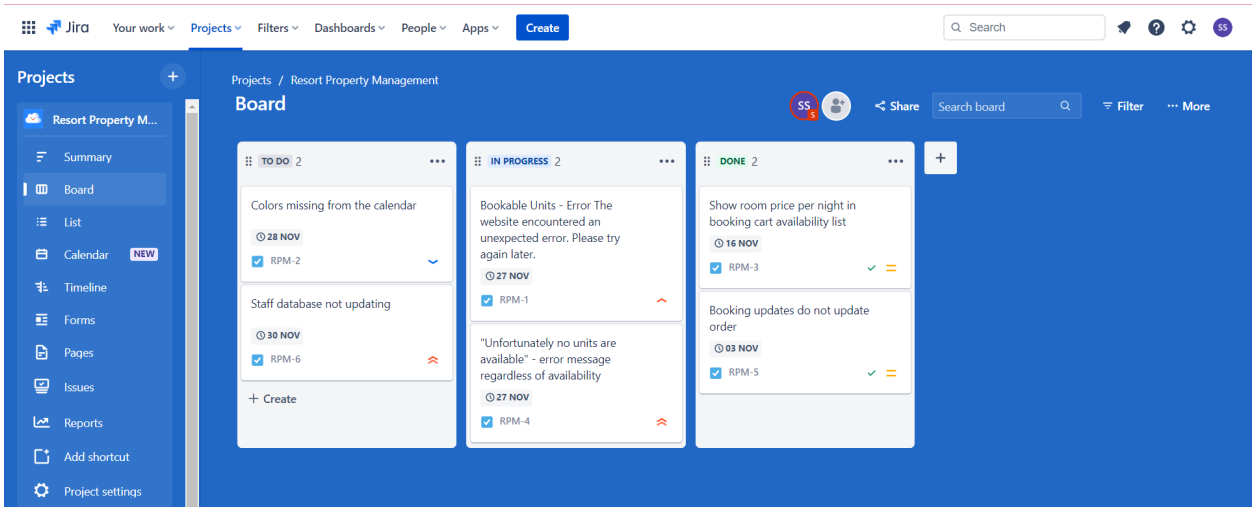
Adding New Issue as previously done:



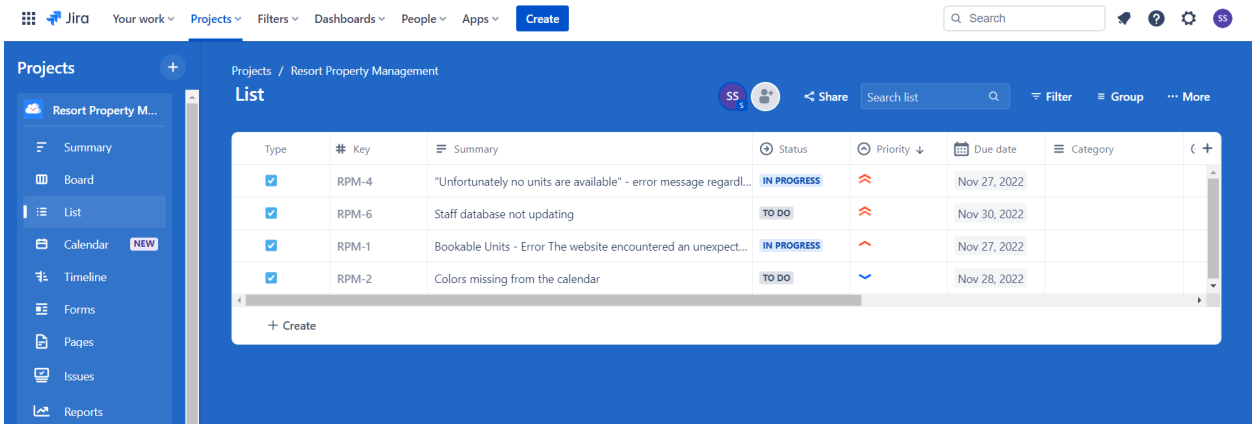
Changing status to In Progress and changing the priority and adding start and due date:



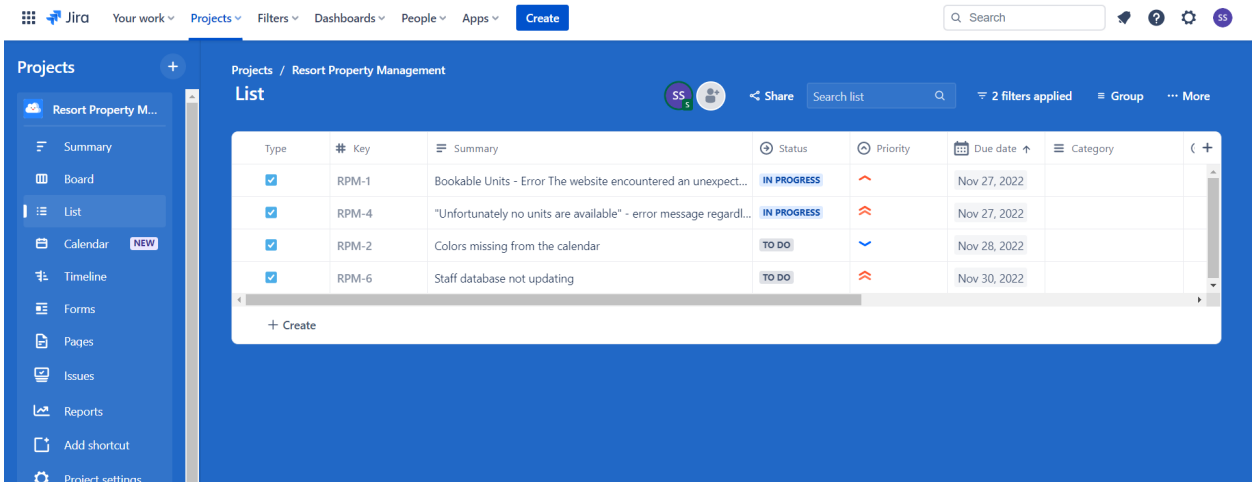
Adding 5 more issues:



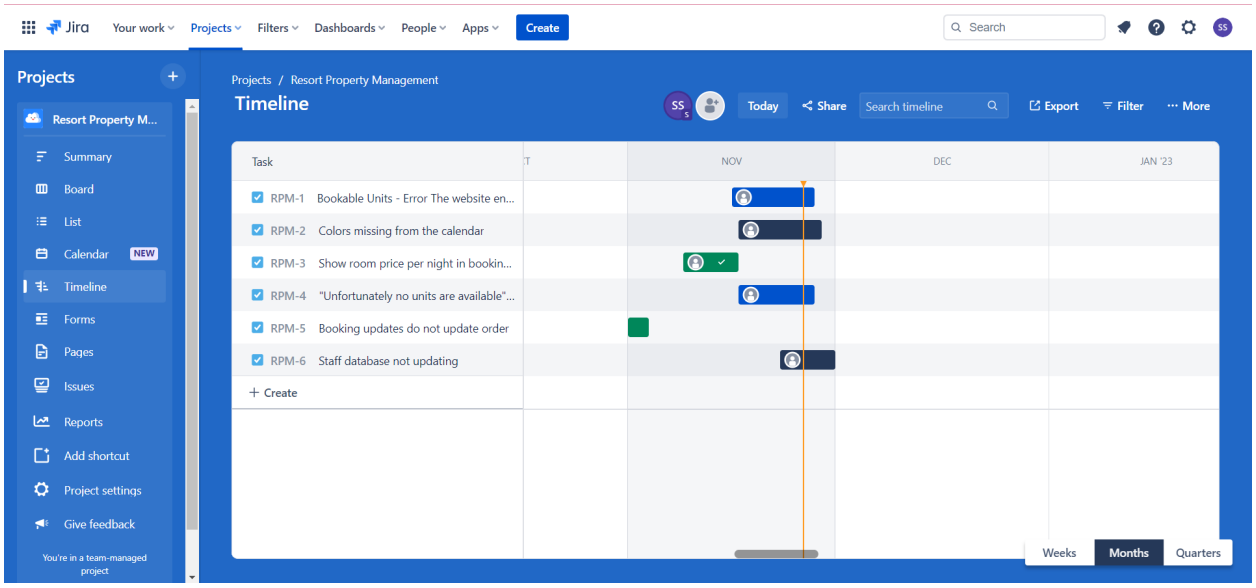
Sorting the issues from most to least critical based on the priority column:



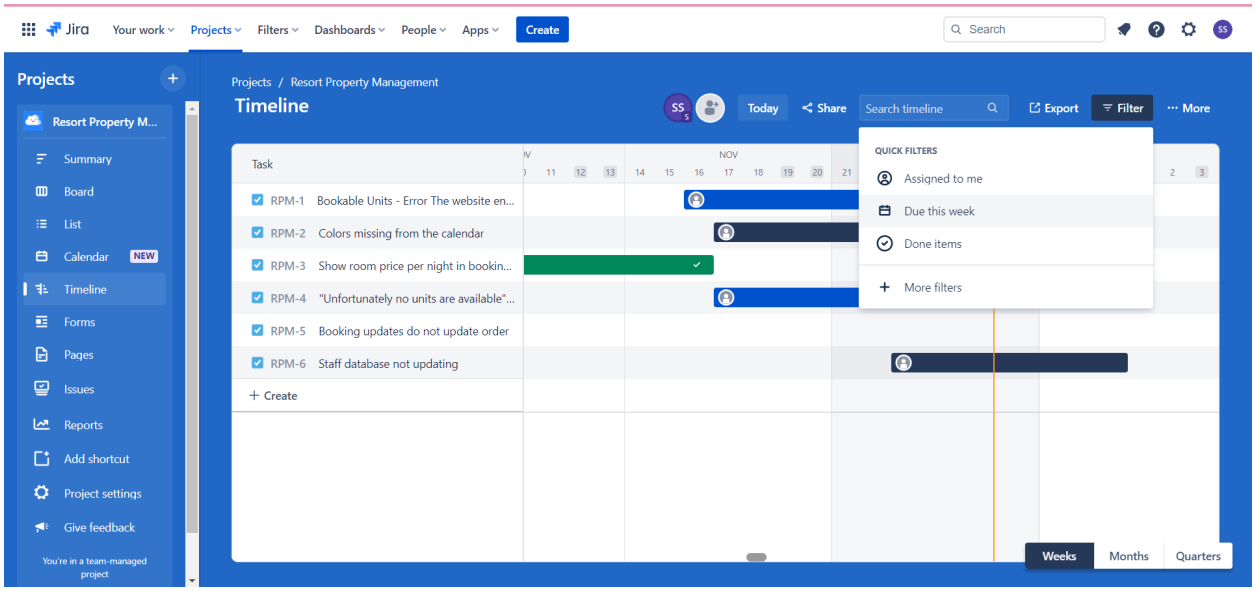
Sorting all unresolved issues based on due date timestamp:

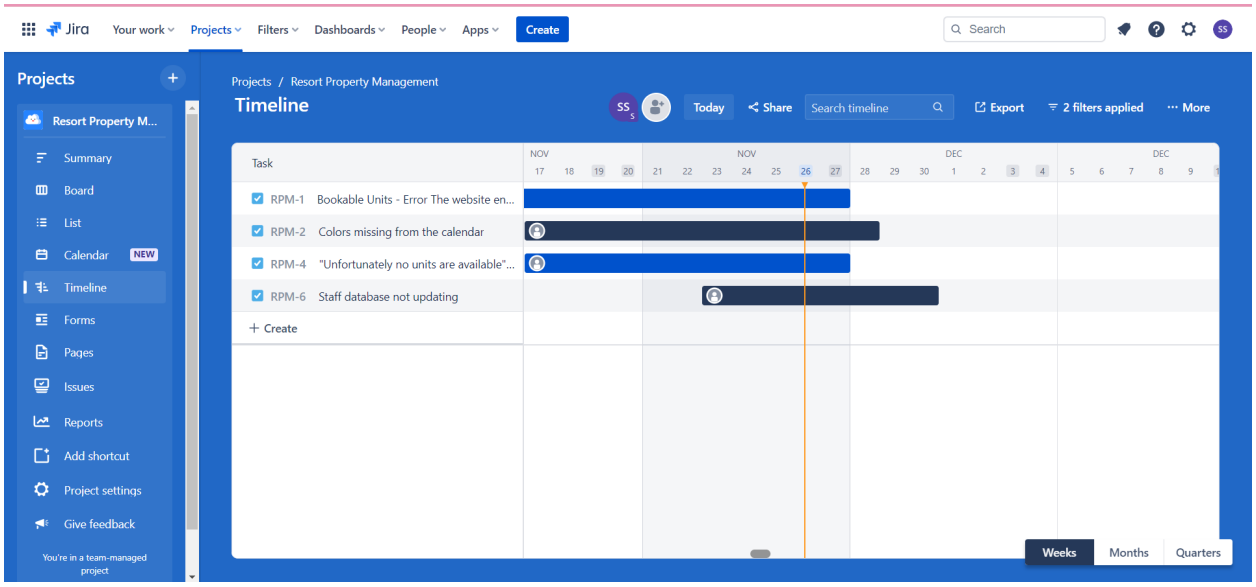


Timeline for all issues:



Timeline with filters(all unresolved issues):

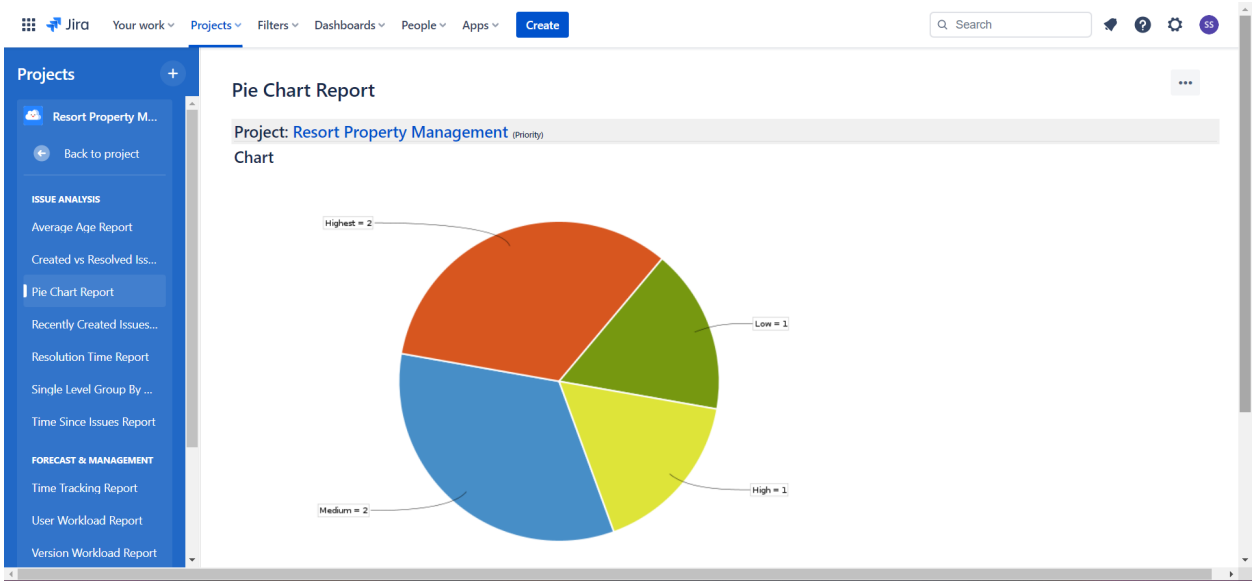




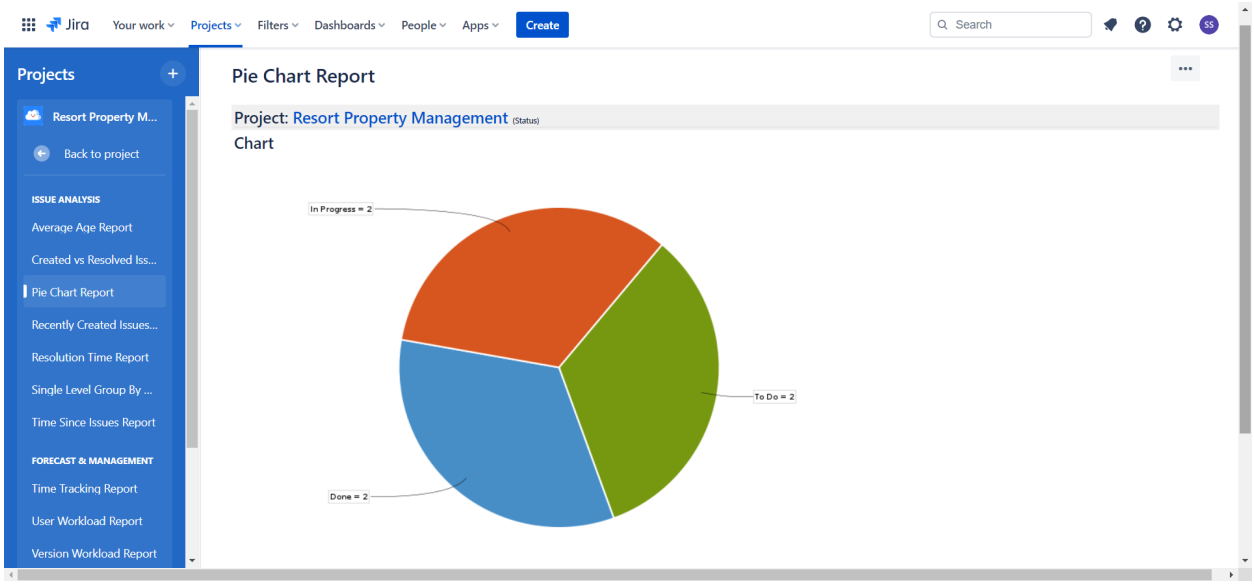
Adding Reports:

- **Created vs. Resolved Issues Report**

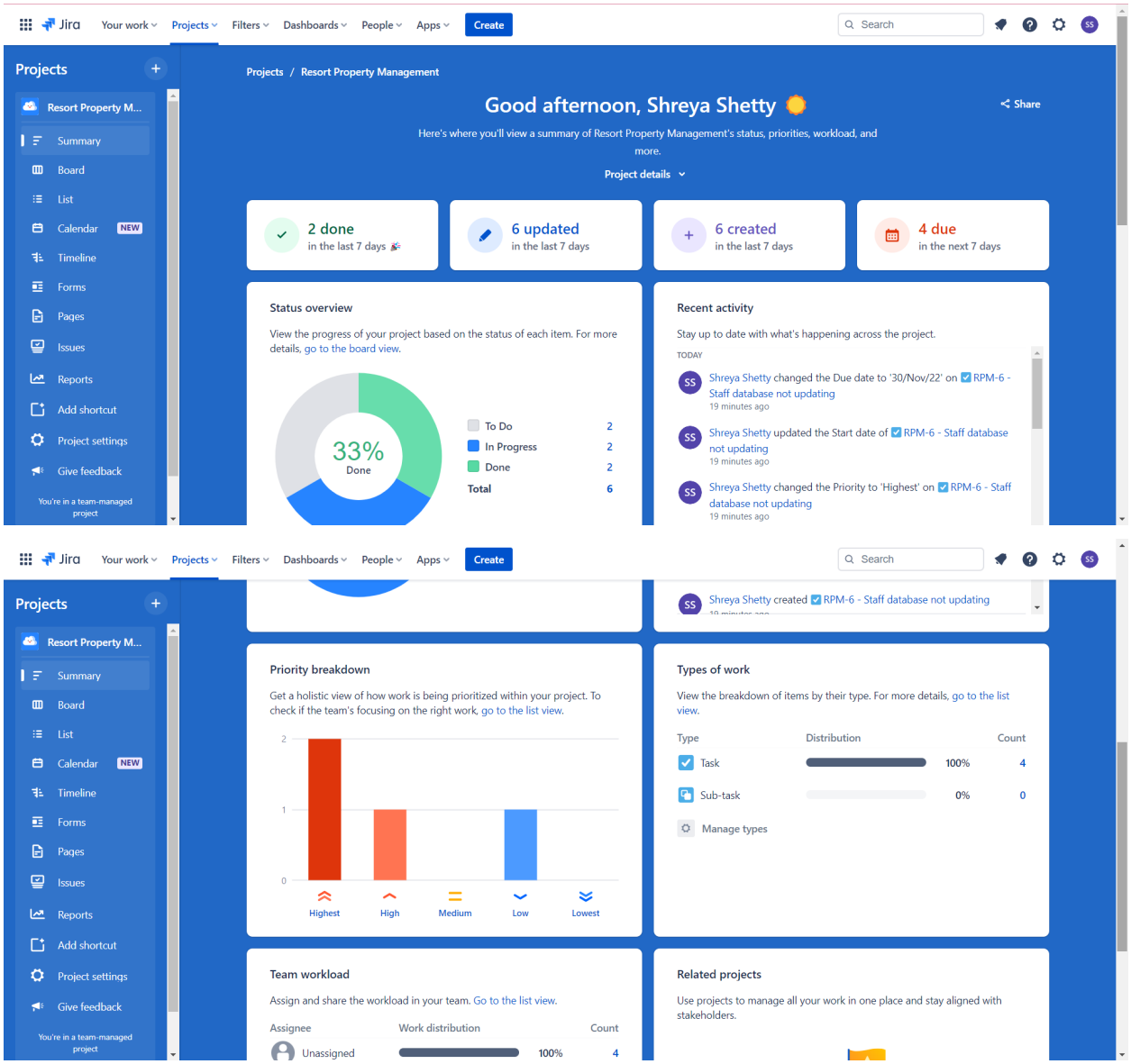
- **Pie Chart report based on Priority of issue**



- **Pie Chart report based on Status of issue**



Project Dashboard Summary:



Conclusion:

Hence in this experiment, we configured project management tool Jira by creating project followed by creating issues, adding filters, generating timeline and reports for the project.

References:

- https://www.wrike.com/project-management-guide/faq/what-is-agile-methodology-in-project-management/
- https://www.drupal.org/project/issues