# Project Planning Phase

## Project Planning (Product Backlog, Sprint Planning, Stories, Story points)

| | |
|---|---|
| Date | 24 October 2022 |
| Team ID | PNT2022TMID04671 |
| Project Name | Personal Expense Tracker |
| 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 | Registration | USN-1 | • User have to Create Account<br>• User Verification Using Mail | 3 | High | Riyazur Razak N<br>Ragul R |
| Sprint -1 | Login | USN-2 | • User Login<br>• Hold the User Logged Status | 2 | Low | Saran VT<br>Saran Kumar N |
| Sprint-2 | Add Income | USN-3 | • Add User Details | 5 | High | Saran VT<br>Ragul R |
| Sprint-2 | Add Expense | USN-4 | • Add User day-to-day Expense | 1 | High | Riyazur Razak N<br>Saran Kumar N |
| Sprint-3 | Display Expense | USN-4 | • Display the Expense Data | 3 | Mediu m | Ragul R<br>Saran Kumar N |
| Sprint-3 | Budgeting | USN-5 | • Provide weekly and monthly Budgets & currency conversion | 5 | High | Riyazur Razak N<br>Saran VT |
| Sprint-4 | Show Charts | USN-6 | • Display Charts | 2 | Low | Saran Kumar N |
| Sprint-4 | Show Alerts | USN-7 | • Notify Alerts if they reached the limit | 2 | Low | Ragul R<br>Riyazur Razak N<br>Saran VT |
| Sprint-4 | Deployment | USN-8 | • Deploy the application<br>• Test the deployed application | 8 | High | Riyazur Razak N<br>Ragul R<br>Saran VT<br>SaranKumar N |

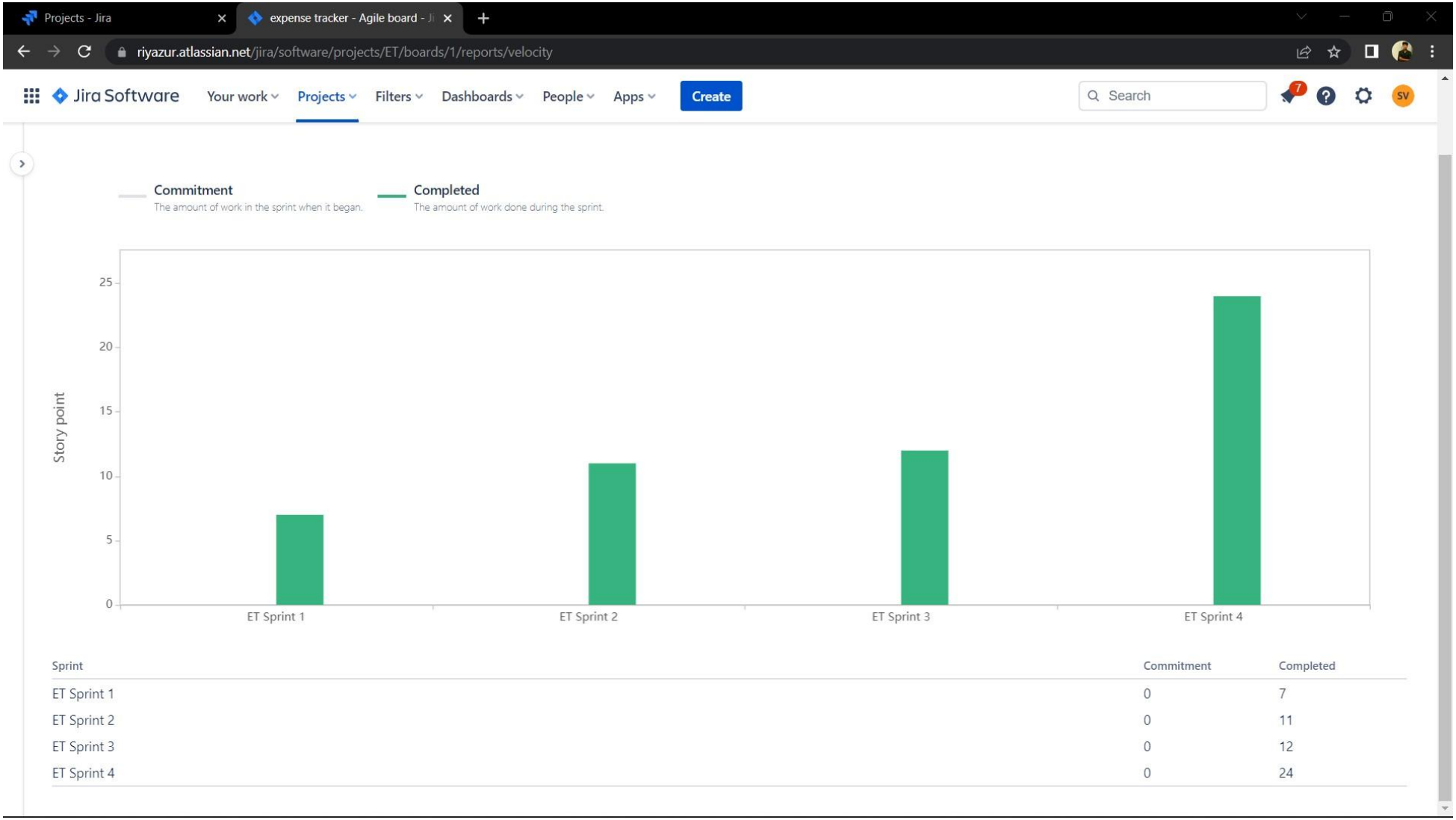
**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| 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 | 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 | 15 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)

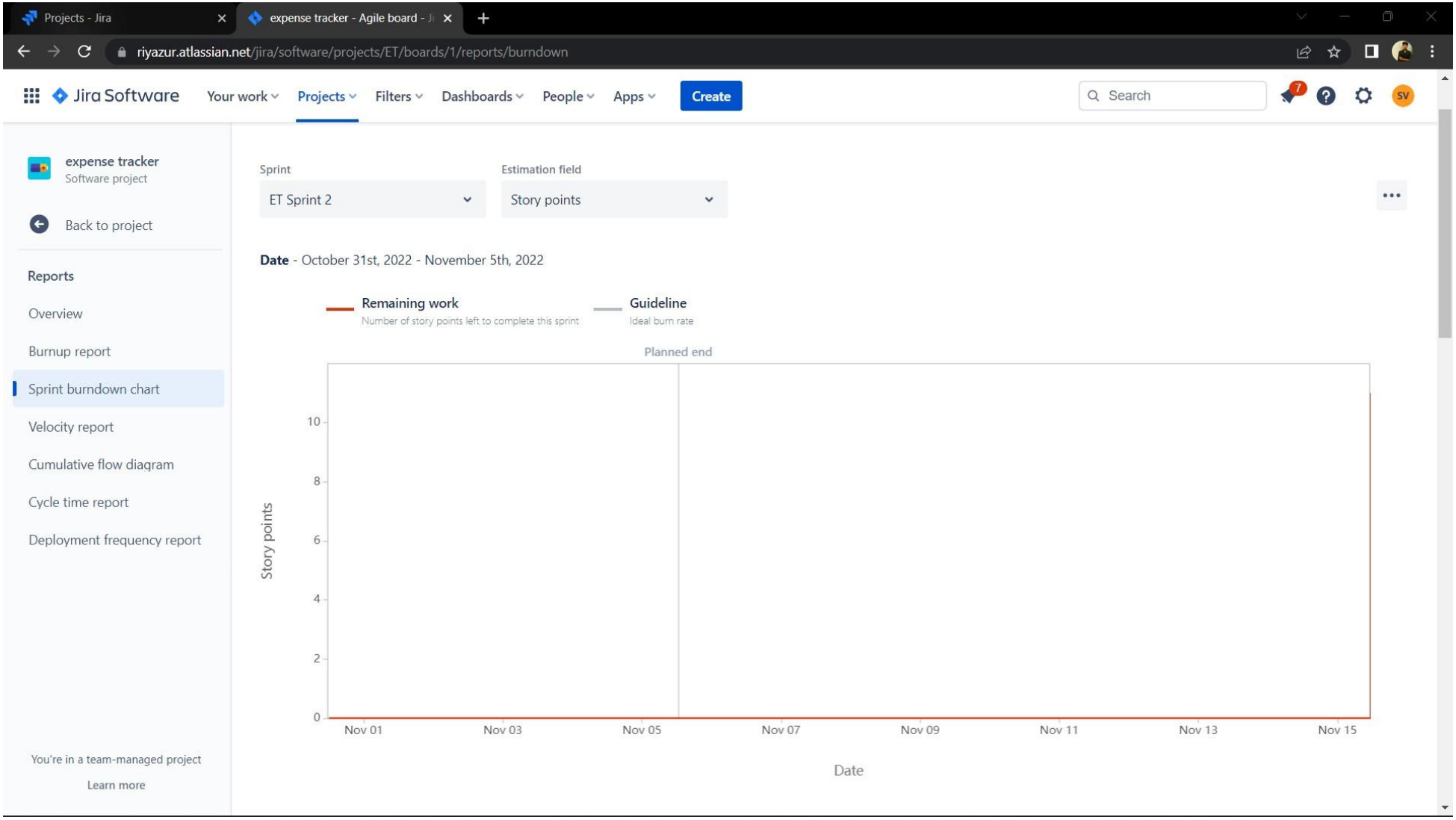
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$




| Sprint | Commitment | Completed |
|---|---|---|
| ET Sprint 1 | 0 | 7 |
| ET Sprint 2 | 0 | 11 |
| ET Sprint 3 | 0 | 12 |
| ET Sprint 4 | 0 | 24 |

**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, burn down charts can be applied to any project containing measurable progress over time.


Projects - Jira
expense tracker - Agile board - Ji
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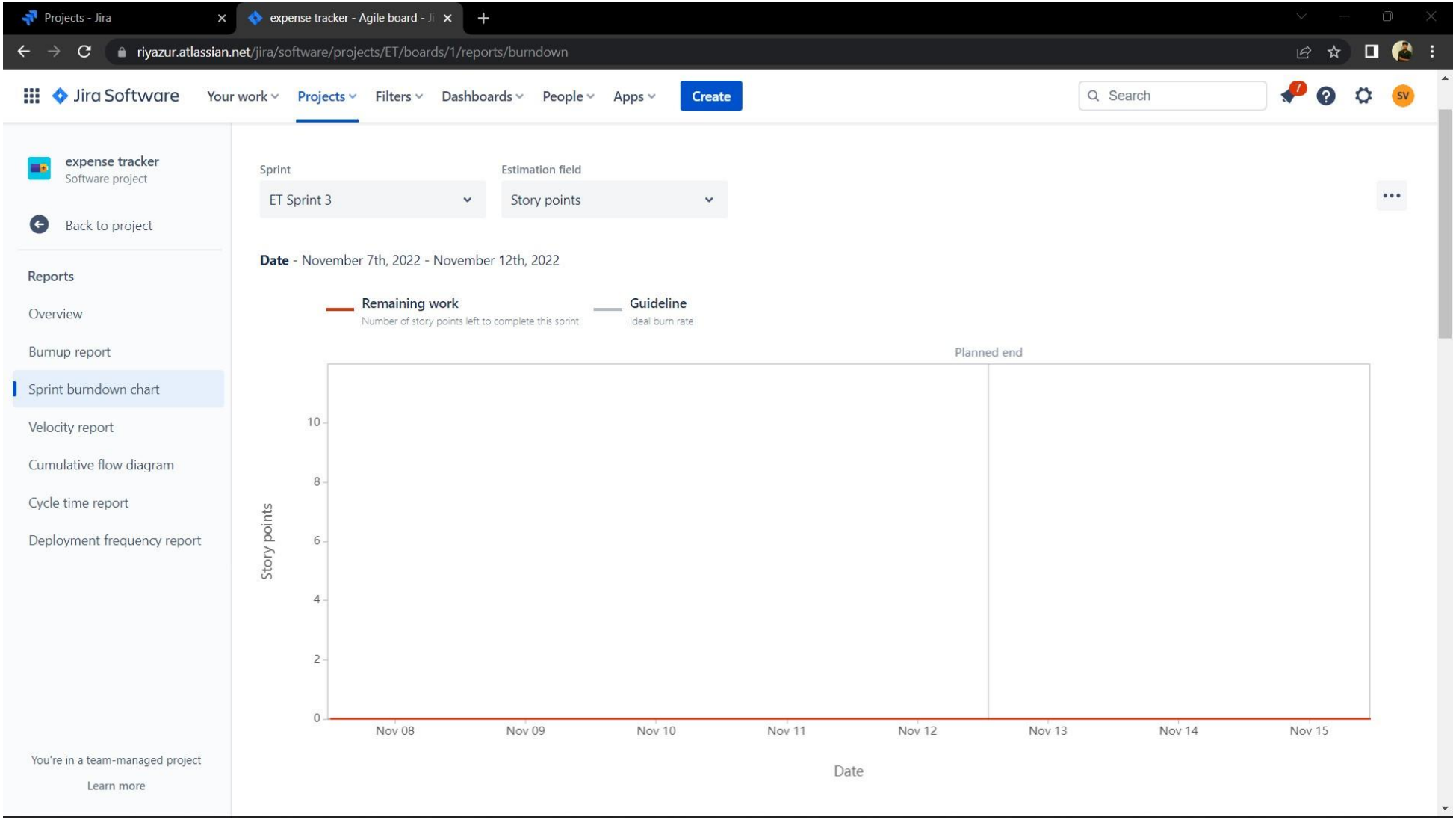
Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
expense tracker
Software project
Back to project
Reports
Overview
Burnup report
Sprint burndown chart
Velocity report
Cumulative flow diagram
Cycle time report
Deployment frequency report
You're in a team-managed project
Learn more
Sprint
ET Sprint 2
Estimation field
Story points
Date - October 31st, 2022 - November 5th, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Planned end
Story points
10
8
6
4
2
0
Nov 01
Nov 03
Nov 05
Nov 07
Nov 09
Nov 11
Nov 13
Nov 15
Date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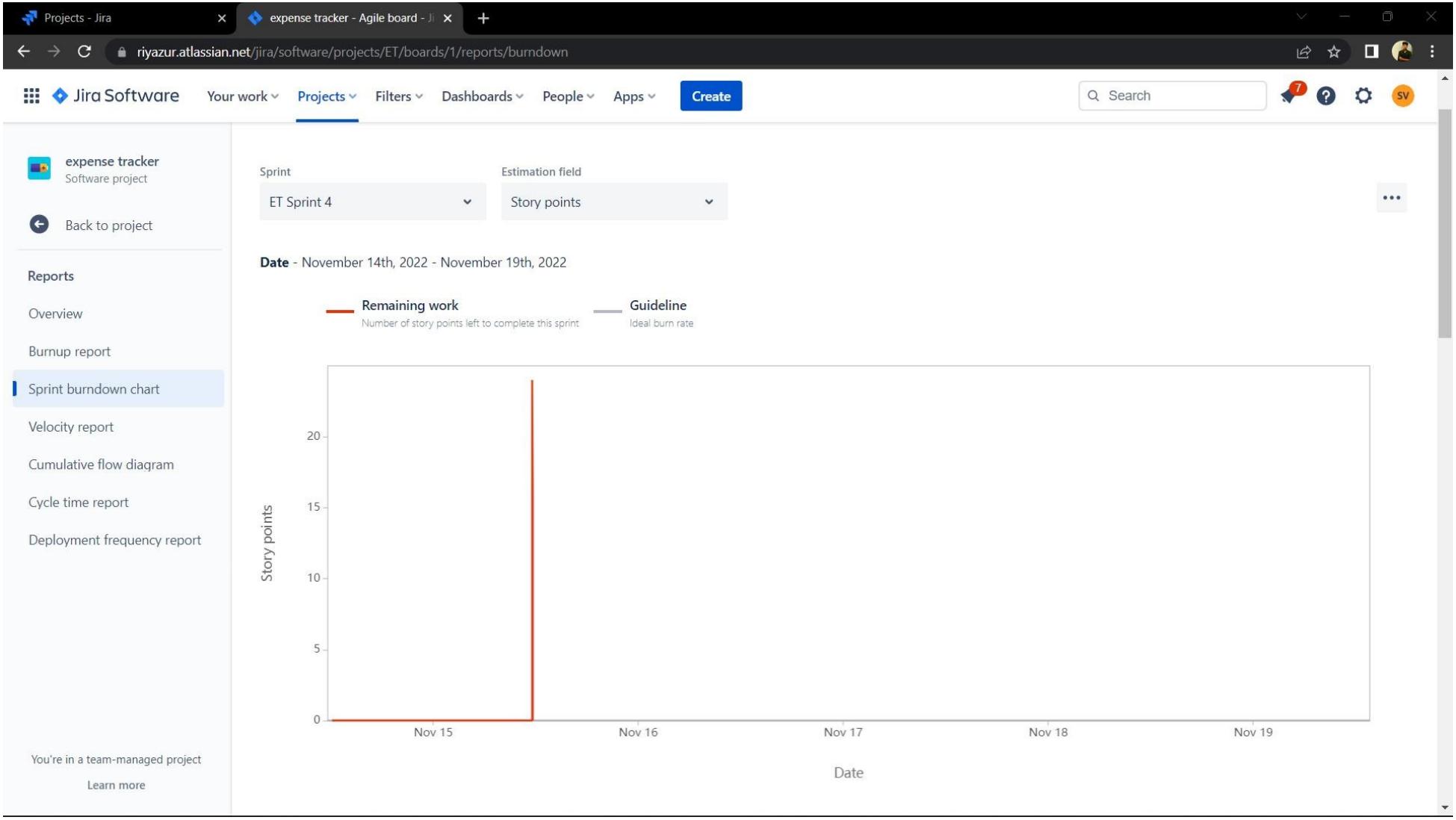
Sprint
ET Sprint 3
Estimation field
Story points
Date - November 7th, 2022 - November 12th, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Planned end
Story points
10
8
6
4
2
0
Nov 08
Nov 09
Nov 10
Nov 11
Nov 12
Nov 13
Nov 14
Nov 15
Date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Cycle time report
Deployment frequency report
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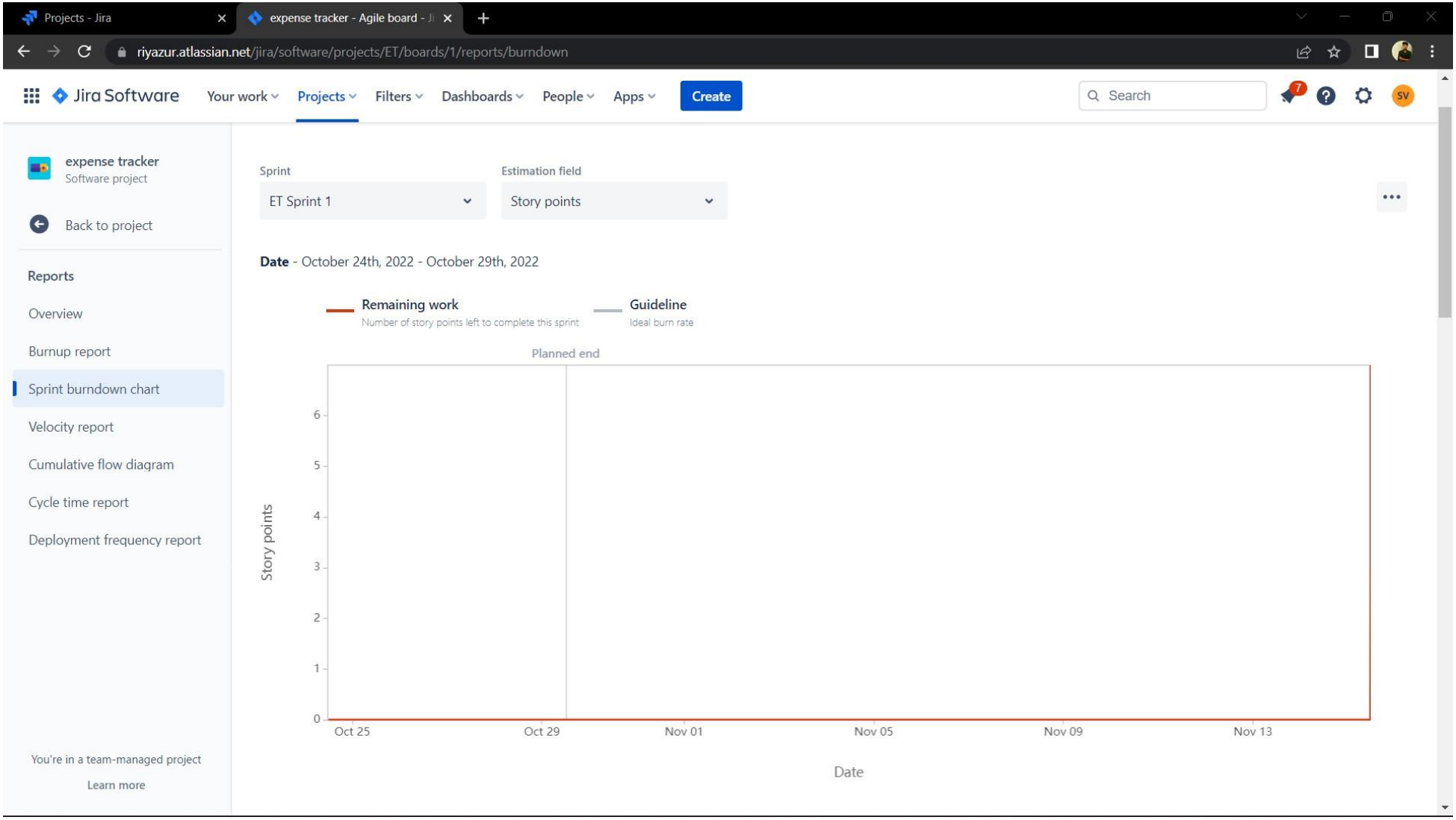
Sprint
ET Sprint 4
Estimation field
Story points
Date - November 14th, 2022 - November 19th, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
20
15
10
5
0
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19
Date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ET Sprint 1
Estimation field
Story points
Date - October 24th, 2022 - October 29th, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Planned end
Story points
0
1
2
3
4
5
6
Oct 25
Oct 29
Nov 01
Nov 05
Nov 09
Nov 13
Date