



JIRA Agile Fundamentals Course

Objectives

- By the end of this course, you should be able to
 - Use JIRA Agile to support an Agile team
 - Understand the differences between a Scrum and Kanban Board
 - Plan, start, and finish Sprints on a Scrum Board
 - See how to estimate and rank your backlog
 - Learn how to assign Issues to a Version and Epic
 - Manage work through the Workflow
 - View available JIRA Agile reports

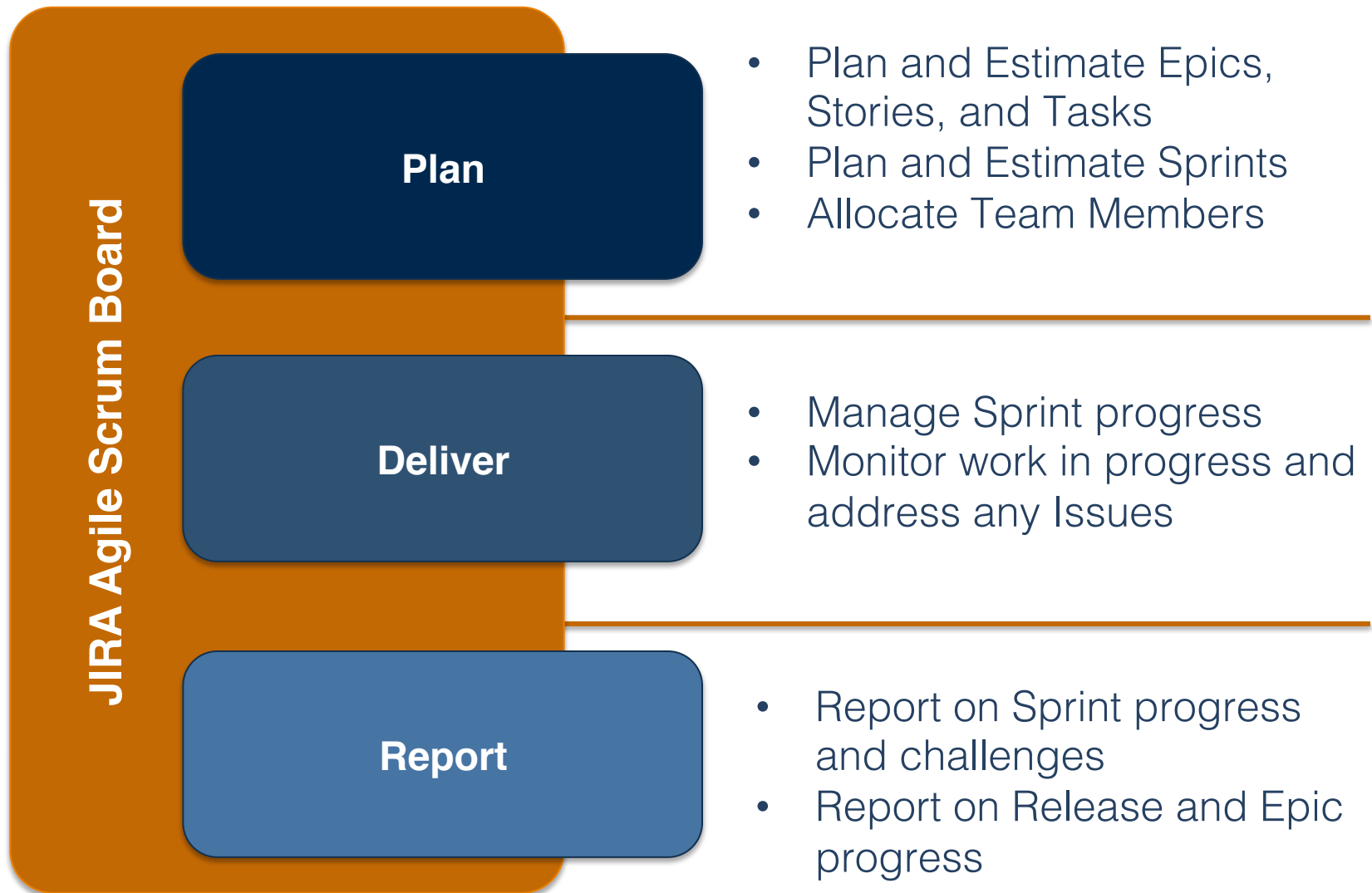
How does JIRA Agile work?

- JIRA Agile is a JIRA add-on that leverages your JIRA configuration
 - Uses your permissions, workflows, issue types, etc
- JIRA Agile helps you manage your Agile projects
 - Provide a virtual Scrum or Kanban Boards
 - Allow Epic, Story, and Sub-Task Planning and Estimation
 - Support Sprint Planning and resource assignments
 - Provide Sprint, Epic, and Release reporting

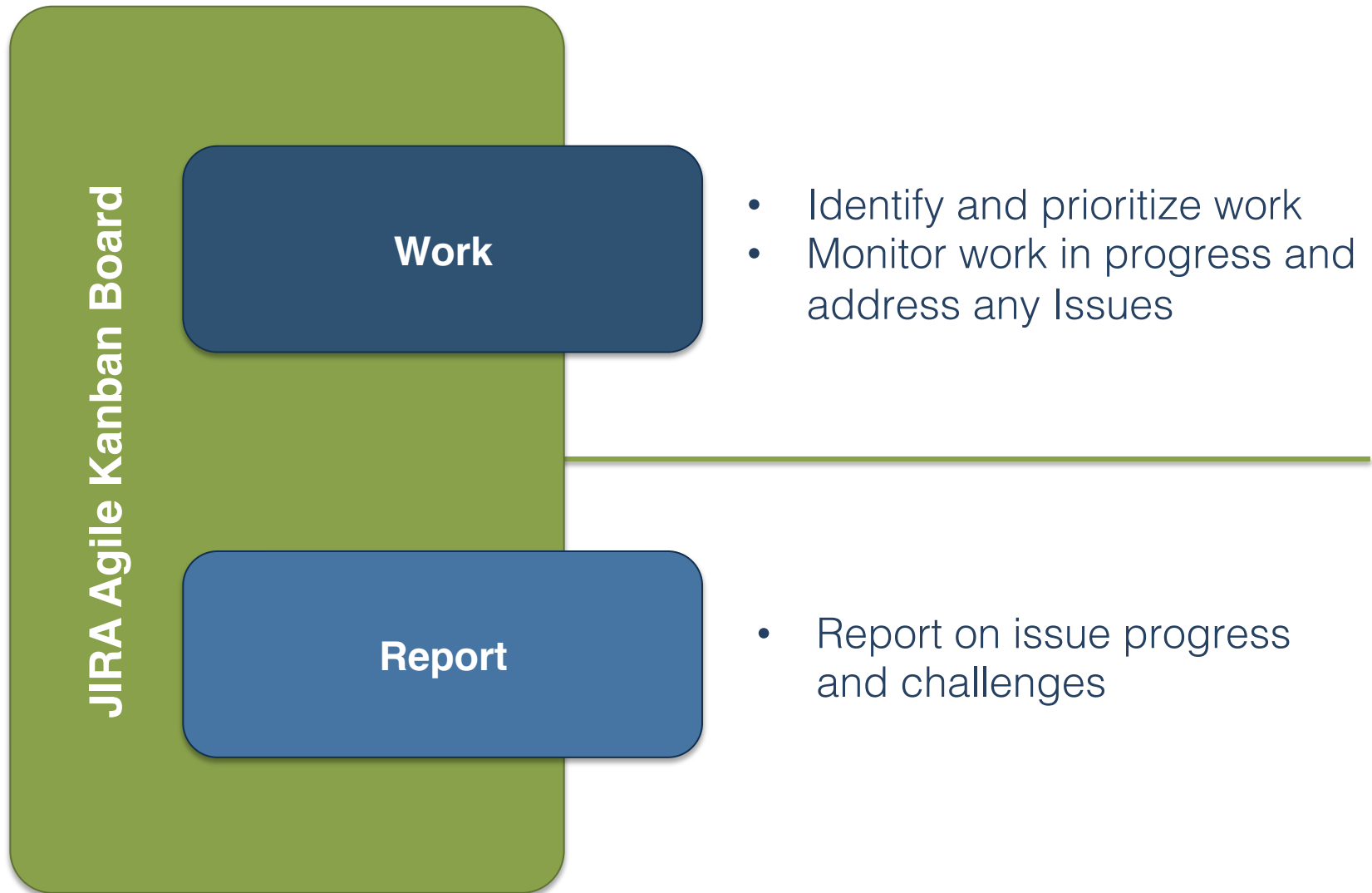
JIRA Agile Boards

- JIRA Agile Boards are used to help facilitate planning, delivery, and reporting
- Two types of JIRA Agile Boards:
 - Scrum Board – Sprint based
 - Kanban Board – Continuous delivery (no planning section)
- Boards often align with team needs
 - Scrum - Product based and Software projects
 - Kanban - Operations and Support projects
- Each board can be customized to suit your team needs

What do Scrum Boards help us do?



What do Kanban Boards help us do?



Scrum Board Backlog

TIS Scrum Board

Backlog Active sprints Reports Board

QUICK FILTERS: Emmet Jennifer Max Ryan Only My Issues Recently Updated

VERSIONS

- All issues
- 2.0
- 2.1
- 2.2
- 3.0
- Issues without versions

EPICS

- All issues
- SeeSpaceEZ Plus
- Space Travel Partners
- Summer Saturn Sale
- Large Team Support
- Issues without epics

TIS - Sprint 1 4 issues

16/Jan/14 1:45 PM • 16/Jan/14 2:00 PM

Linked pages

- TIS-8 Requesting available flights is now taking > 5 seconds 2.0 SeeSpaceEZ Plus 1
- TIS-37 When requesting user details the service should return prior trip info 2.1 SeeSpaceEZ Plus 2
- TIS-7 500 Error when requesting a reservation 2.0 SeeSpaceEZ Plus 1
- TIS-36 Line up panel of former travelers to Saturn for interview content 2.2 Summer Saturn Sale 6

Backlog 30 issues

Create Sprint

- TIS-10 Bad JSON data coming back from hotel API 2.0 SeeSpaceEZ Plus 1
- TIS-18 Enable Speedy SpaceCraft as the preferred individual transit provider 2.1 Space Travel Partners 5

Plan and Assign work in Backlog

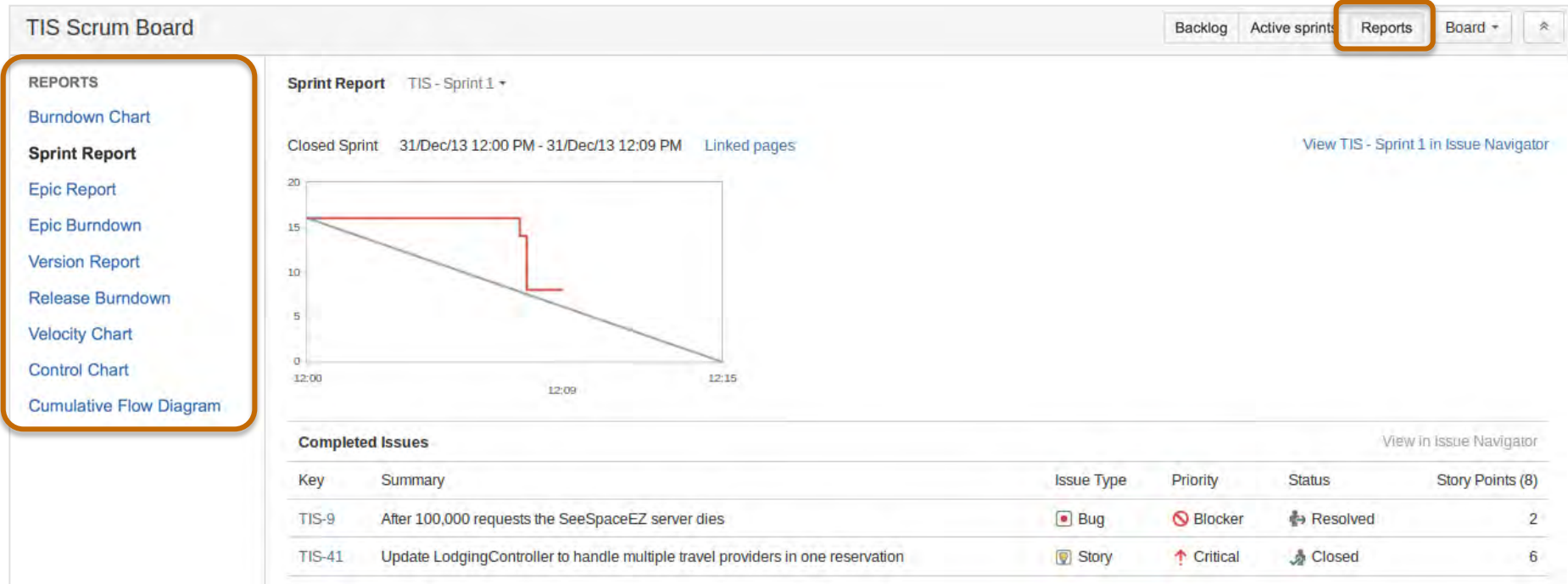
Scrum Board Active Sprints

The screenshot displays the 'TIS Scrum Board' interface. At the top, the 'Active sprints' tab is selected and highlighted with an orange box. Below the tab, a 'QUICK FILTERS' section is also highlighted with an orange box, containing links for 'Emmet', 'Jennifer', 'Max', 'Ryan', 'Only My Issues', and 'Recently Updated'. The main board is divided into three columns: 'To Do', 'In Progress', and 'Done'. The 'To Do' column contains four tasks, each with a status icon, a title, a description, a user profile picture, and a count in a small circle. The 'In Progress' and 'Done' columns are currently empty.

Task ID	Status	Description	Assignee	Count
TIS-8	Blocked	Requesting available flights is now taking > 5 seconds	[User Profile]	1
TIS-37	Open	When requesting user details the service should return prior trip info	[User Profile]	2
TIS-7	Open	500 Error when requesting a reservation	[User Profile]	1
TIS-36	Open	Line up panel of former travelers to Saturn for interview content	[User Profile]	6

Manage your work in Active Sprints

Scrum Board Reports



View your work progress in Reports

Filter your board by Version & Epic

VERSIONS

- All issues
- 2.0
- 2.1
- 2.2
- 3.0**
- Issues without versions

EPICS

- All issues
- Large Team Support
- SeeSpaceEZ Plus
- Summer Saturn Sale
- Space Travel Partners
- Issues without epics

Backlog 16 of 38 issues visible [Clear all filters](#)

[Create Sprint](#)

Issue ID	Summary	Version	Epic	Assignee	Count
TIS-25	Engage Jupiter Express for outer solar sys	3.0	Space Travel Partners	[Avatar]	5
TIS-27	Add Phobos and Deimos Tours as a Prefe	3.0	Space Travel Partners	[Avatar]	5
TIS-20	Engage Saturn Shuttle Lines for group tou	3.0	Space Travel Partners	[Avatar]	3
TIS-23	Engage JetShuttle SpaceWays for short dis	3.0	Space Travel Partners	[Avatar]	4
TIS-24	Sign Contract for SunSpot Tours	3.0	Space Travel Partners	[Avatar]	2
TIS-28	Research options to travel to Pluto	3.0	Space Travel Partners	[Avatar]	7
TIS-46	Update LocalTransportController to handle m	3.0	Large Team Support	[Avatar]	6

VERSIONS

- All issues
- 2.0
- 2.1
- 2.2
- 3.0
- Issues without versions

EPICS [Create epic](#) [×](#)

- All issues
- Large Team Support
- > SeeSpaceEZ Plus**
- Summer Saturn Sale
- Space Travel Partners
- Issues without epics

Backlog 6 of 38 issues visible [Clear all filters](#)

[Create Sprint](#)

Issue ID	Summary	Version	Epic	Assignee	Count
TIS-9	After 100,000 requests the SeeSpaceEZ server die	2.0	SeeSpaceEZ Plus	[Avatar]	2
TIS-8	Requesting available flights is now taking > 5 seco	2.0	SeeSpaceEZ Plus	[Avatar]	1
TIS-7	500 Error when requesting a reservation	2.0	SeeSpaceEZ Plus	[Avatar]	1
TIS-10	Bad JSON data coming back from hotel API	2.0	SeeSpaceEZ Plus	[Avatar]	1
TIS-37	When requesting user details the service should r	2.1	SeeSpaceEZ Plus	[Avatar]	2
TIS-38	Suggested Destinations	2.1	SeeSpaceEZ Plus	[Avatar]	5

+ Create issue

Version and Epic Progress

Backlog

Q QUICK FILTERS: Only My Issues Recently Updated

VERSIONS	EPICS	
All issues	All issues	
2.0	Large Team Support	
2.1	SeeSpaceEZ Plus	
2.2	Summer Saturn Sale	
3.0	Space Travel Partners	
Issues without versions	Issues without epics	

Backlog 38 issues

- TIS-9 After 100
- TIS-8 Requesti
- TIS-7 500 Error
- TIS-10 Bad JSC
- TIS-18 Enable S
- TIS-26 Engage
- TIS-17 Engage

Quickly view Version and Epic Progress

Creating Sprints

▼ TIS - Sprint 1 0 issues

Name your Sprints clearly

Start Sprint

Linked pages

PLAN YOUR SPRINT
This is a sprint. Plan a sprint by dragging issues here.

+ Create issue

0 issues Estimate 0

Backlog 38 issues

Create Sprint

🚫	🔴 TIS-9	After 100,000 requests the SeeSpaceEZ server dies	2.0	SeeSpaceEZ Plus	2
🔔	🔴 TIS-41	Update LodgingController to handle multiple travel providers in one reservation	3.0	Large Team Support	6
🔔	🔴 TIS-37	When requesting user details the service should return prior trip info	2.1	SeeSpaceEZ Plus	2
🔔	🔴 TIS-36	Line up panel of former travelers to Saturn for interview content	2.2	Summer Saturn Sale	6
🚫	🔴 TIS-8	Requesting available flights is now taking > 5 seconds	2.0	SeeSpaceEZ Plus	1

Create a Sprint so you can
plan your next Sprint

Planning Sprints

▼ TIS - Sprint 1 4 issues

Start Sprint

Linked pages

Drag and drop Stories to a Sprint

📍	↓ TIS-36	Line up panel of former travelers to Saturn for interview content	2.2	Summer Saturn Sale	6
📍	↑ TIS-37	When requesting user details the service should return prior trip info	2.1	SeeSpaceEZ Plus	2
📍	🚫 TIS-9	After 100,000 requests the SeeSpaceEZ server dies	2.0	SeeSpaceEZ Plus	2
📍	↑ TIS-41	Update LodgingController to handle multiple travel providers in one reservation	3.0	Large Team Support	6

▼ TIS - Sprint 1 4 issues

Start Sprint

Linked pages

Drag and drop Stories to Rank

📍	🚫 TIS-9	After 100,000 requests the SeeSpaceEZ server dies	2.0	SeeSpaceEZ Plus	2
📍	↑ TIS-41	Update LodgingController to handle multiple travel providers in one reservation	3.0	Large Team Support	6
📍	↑ TIS-37	When requesting user details the service should return prior trip info	2.1	SeeSpaceEZ Plus	2
📍	↓ TIS-36	Line up panel of former travelers to Saturn for interview content	2.2	Summer Saturn Sale	6

Prioritizing by Issue Priority

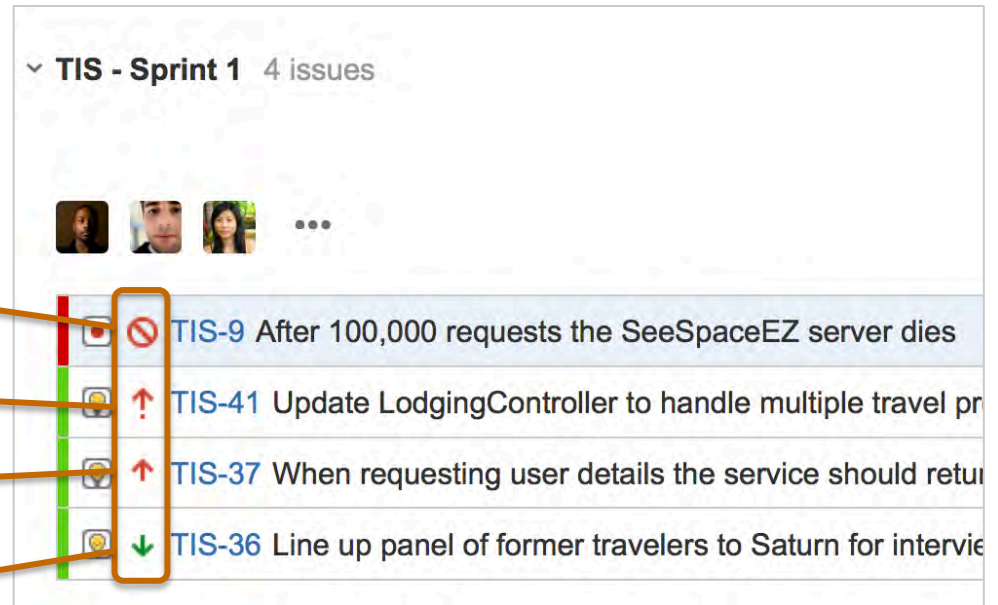
Priority 1 - “Blocker”

Priority 2 – “Critical”

Priority 3 – “Major”

Priority 4 - “Minor”

Priority 5 – “Trivial” (not shown)



Summary: Board Creation and Usage

- Scrum Boards supports Sprint planning in Backlog mode
- View total issues, estimates, assignments, and assignees
- Backlogs are filterable by Version, Epic and more
- Drag and drop issues

- Agile Board Navigation
 - Scrum and Kanban Boards
- Using Backlog mode
- Filtering the Backlog
- Planning a Sprint



Starting a Sprint

The screenshot shows the Jira interface for starting a sprint. The main sprint card is titled "TIS - Sprint 1" and shows "4 issues". A "Start Sprint" button is located in the top right corner of the sprint card. An orange line connects this button to the "Start" button in the "Start Sprint" dialog box. The dialog box is open, showing the following fields:

- Sprint Name: TIS - Sprint 1
- Duration: Custom
- Start Date: 10/May/15 7:03 PM
- End Date: 24/May/15 07:03 PM

The "Start" button is highlighted with an orange box. Below the date fields, it says "There are 10 working days in this sprint" with a link to "More about working days". At the bottom of the dialog box, there are "Start" and "Cancel" buttons. The "Start" button is highlighted with an orange box.

Linked pages

Version	Feature	Assignee	Count
2.0	SeeSpaceEZ Plus	[Avatar]	2
3.0	Large Team Support	[Avatar]	6
2.1	SeeSpaceEZ Plus	[Avatar]	2
2.2	Summer Saturn Sale	[Avatar]	6

4 issues Estimate 16

Select your Sprint start and end dates and times to define your reporting window and start your Active Sprint

Active Sprint Mode

Active sprints: TIS - Sprint 1 0 days remaining [Complete Sprint](#) Board

QUICK FILTERS: [Only My Issues](#) [Recently Updated](#)

To Do

- TIS-9
After 100,000 requests the SeeSpaceEZ server dies
[SeeSpaceEZ Plus](#) 2
- TIS-41
Update LodgingController to handle multiple travel providers in one reservation
[Large Team Support](#) 6
- TIS-37
When requesting user details the service should return prior trip info
[SeeSpaceEZ Plus](#) 2
- TIS-36
Line up panel of former travelers to Saturn for interview content
[Summer Saturn Sale](#) 6

In Progress

Done

TO DO

IN PROGRESS

DONE

Workflow states map to columns

Work Mode

Active sprints: TIS - Sprint 1

0 days remaining [Complete Sprint](#) Board

QUICK FILTERS: [Only My Issues](#) [Recently Updated](#)

To Do In Progress Done

To Do

- TIS-41**
Update LodgingController to handle multiple travel providers in one reservation
Large Team Support 6
- TIS-37**
When requesting user details the service should return prior trip info
SeeSpaceEZ Plus 2
- TIS-36**
Line up panel of former travelers to Saturn for interview content
Summer Saturn Sale 6

In Progress

- TIS-9**
After 100,000 requests the SeeSpaceEZ server dies
SeeSpaceEZ Plus 2

Done

- Resolve Issue

Individuals can move
Stories to In Progress

And then move them to
Close

Managing Work - Quick Filters

The screenshot displays the 'TIS Scrum Board' interface. At the top, there are tabs for 'Plan', 'Work', 'Report', and 'Board'. Below these, the 'SPRINT: TIS - Sprint 1' is selected. The 'QUICK FILTERS' section includes 'Emmet', 'Jennifer', 'Max' (highlighted with an orange box), 'Ryan', 'Only My Issues', and 'Recently Updated'. The board is divided into three columns: 'To Do', 'In Progress', and 'Done'. The 'To Do' column contains four issues: TIS-8, TIS-37, TIS-7, and TIS-36. An orange arrow points from the 'Max' quick filter to a zoomed-in view of the 'Teams In Space Scrum Board'. In this zoomed view, the 'Max' quick filter is again highlighted with an orange box.

TIS Scrum Board

SPRINT: TIS - Sprint 1

QUICK FILTERS: Emmet Jennifer **Max** Ryan Only My Issues Recently Updated

To Do

- TIS-8
Requesting available flights is now taking > 5 seconds
- TIS-37
When requesting user details the service should return prior trip info
- TIS-7
500 Error when requesting a reservation
- TIS-36
Line up panel of former travelers to Saturn for interview content

Teams In Space Scrum Board

SPRINT: TIS - Sprint 1

QUICK FILTERS: Ryan Mitch **Max** Kevin

Backlog

- TIS-41
Update LodgingController to handle multiple travel providers in one reservation

Quick Filters can help narrow down the Issues show

Quick Filter by almost anything!

Managing Work – Swimlane

The screenshot displays a 'TIS Scrum Board' with a header section containing 'SPRINT: TIS - Sprint 1' and 'QUICK FILTERS: Emmet Jennifer Max Ryan Only My Issues Recently Updated'. Below the header, the board is organized into three columns: 'To Do', 'In Progress', and 'Done'. The issues are grouped into swimlanes based on assignees. The swimlane for 'Jennifer Evans' is highlighted with an orange border and contains one issue, 'TIS-37', which is in the 'To Do' column. The swimlane for 'Max Taylor' contains one issue, 'TIS-8', also in the 'To Do' column. The swimlane for 'Ryan Lee' contains one issue, 'TIS-36', in the 'To Do' column. Each issue card includes a title, a description, a priority indicator (up or down arrow), a user profile picture, and a count of related items.

TIS Scrum Board

SPRINT: TIS - Sprint 1 QUICK FILTERS: Emmet Jennifer Max Ryan Only My Issues Recently Updated

To Do In Progress Done

Emmet Paris 1 issue

Jennifer Evans 1 issue

TIS-37
↑ When requesting user details the service should return prior trip info

Max Taylor 1 issue

TIS-8
↑ Requesting available flights is now taking > 5 seconds

Ryan Lee 1 issue

TIS-36
↓ Line up panel of former travelers to Saturn for interview content

Swimlanes can be based on Queries (JQL), Assignees, Stories, Epics, or None at all

Closing a Sprint

Active sprints: TIS - Sprint 1

0 days remaining **Complete Sprint** Board

QUICK FILTERS: Only My Issues Recently Updated

To Do In Progress Done

TIS-9
After 100,000 requests the SeeSpaceEZ server dies
SeeSpaceEZ Plus 2

TIS-41
Update LodgingController to handle multiple providers in one reservation
Large Team Support

TIS-37
When requesting user details the service should return prior trip info
SeeSpaceEZ Plus

TIS-36
Line up panel of former travelers to Saturn for interview content
Summer Saturn Sale

Complete Sprint

TIS - Sprint 1

2 issues were Done.
2 incomplete issues will be returned to the top of the backlog.

Sub-tasks are not included in the total(s) above, and are always included in the same sprint as their parent issue.

Complete Cancel

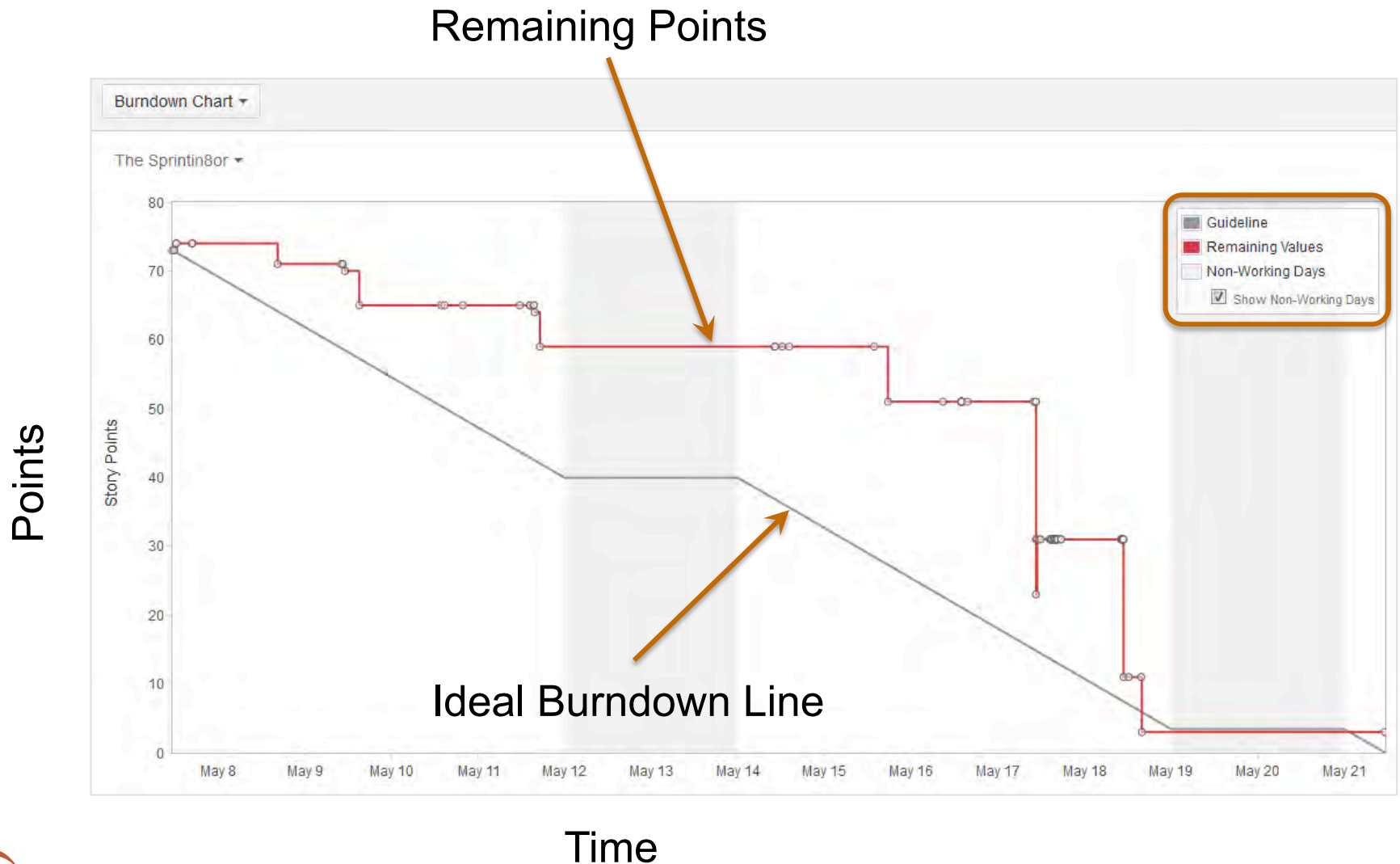
JIRA Agile Scrum Board Reports

- Available JIRA Agile Scrum Board reports
 - Burndown Chart
 - Sprint Report
 - Epic Burndown
 - Release Burndown
 - Velocity Chart
 - Control Chart
 - Cumulative Flow Diagram
- Available JIRA Agile Kanban Board reports
 - Control Chart
 - Cumulative Flow Diagram

Burndown Chart

What it is	What it tells us	Why use it
A diagram of the actual and estimated amount of work to be done in a sprint. Also shows an activity list for all issues in a sprint (added, completed, changed, etc)	<p>How the team is delivering work during a sprint</p> <p>The likelihood of achieving the sprint goal</p>	To track sprint progress and identify issues

Burndown Chart



Burndown Chart

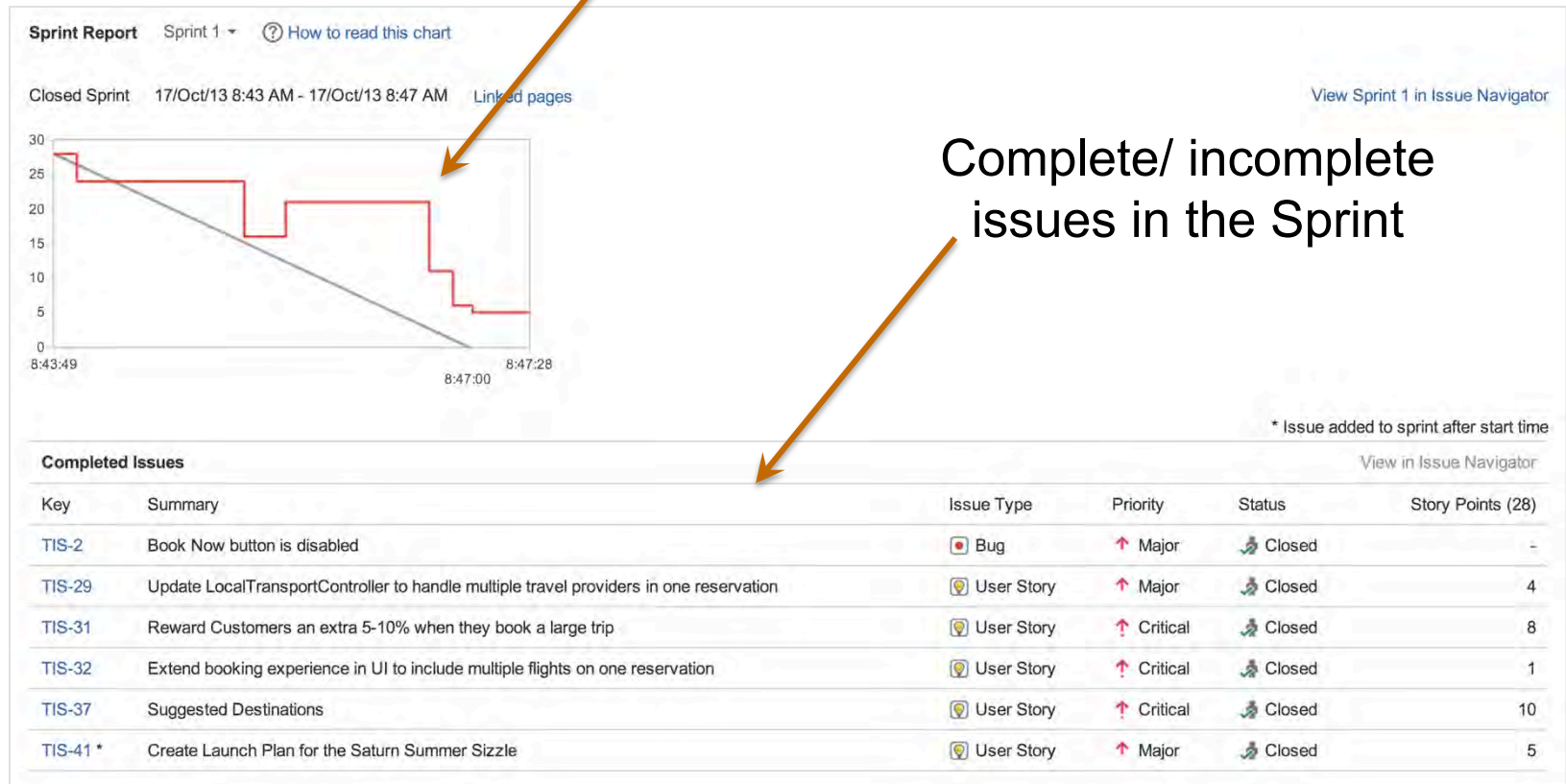
Date	Issue	Event Type	Event Detail	Story Points		
				Inc.	Dec.	Remaining
07/05/2012 11:22	GHS-4767 GHS-4862 GHS-4910 GHS-4913 GHS-4920 GHS-4970 GHS-4972 GHS-5024 GHS-5025 GHS-5039 GHS-5084 GHS-5106	Sprint start		8 5 8 20 5 3 20 - - 1 - 3		73
07/05/2012 11:55	GHS-5103	Scope change	Issue added to sprint	0		73
07/05/2012 12:25	GHS-4750	Scope change	Issue added to sprint	1		74
	GHS-4129	Scope change	Issue added to sprint	0		74
07/05/2012 16:46	GHS-5108	Scope change	Issue added to sprint	0		74
07/05/2012 16:52	GHS-5110	Scope change	Issue added to sprint	0		74
08/05/2012 16:31	GHS-4970	Burndown	Issue completed		3	71

Sprint Report

What it is	What it tells us	Why use it
A summary of the sprint progress to date including a small burndown chart and complete/incomplete issues	What the team delivered (and didn't deliver) for a specified sprint	To view a summary of a sprint

Sprint Report

Sprint Burndown Summary Chart



Epic Burndown

What it is	What it tells us	Why use it
A diagram of the team's progress against planned and completed work in a Epic. Also shows a forecast of the sprint in which an Epic will be completed.	What was delivered against an Epic for every completed sprint	To track Epic progress each sprint Forecast when an Epic will be complete

Epic Burndown



Release Burndown

What it is	What it tells us	Why use it
A diagram of the team's progress against planned and completed work in a Release (Version). Also shows a forecast of the sprint in which a Release (Version) will be completed.	What was delivered against a Version for every completed sprint	To track Release progress each sprint Forecast when a Release will be complete

Release Burndown



Work Completed (-)

Work Remaining

Work Forecast

Work Added (+) – not shown

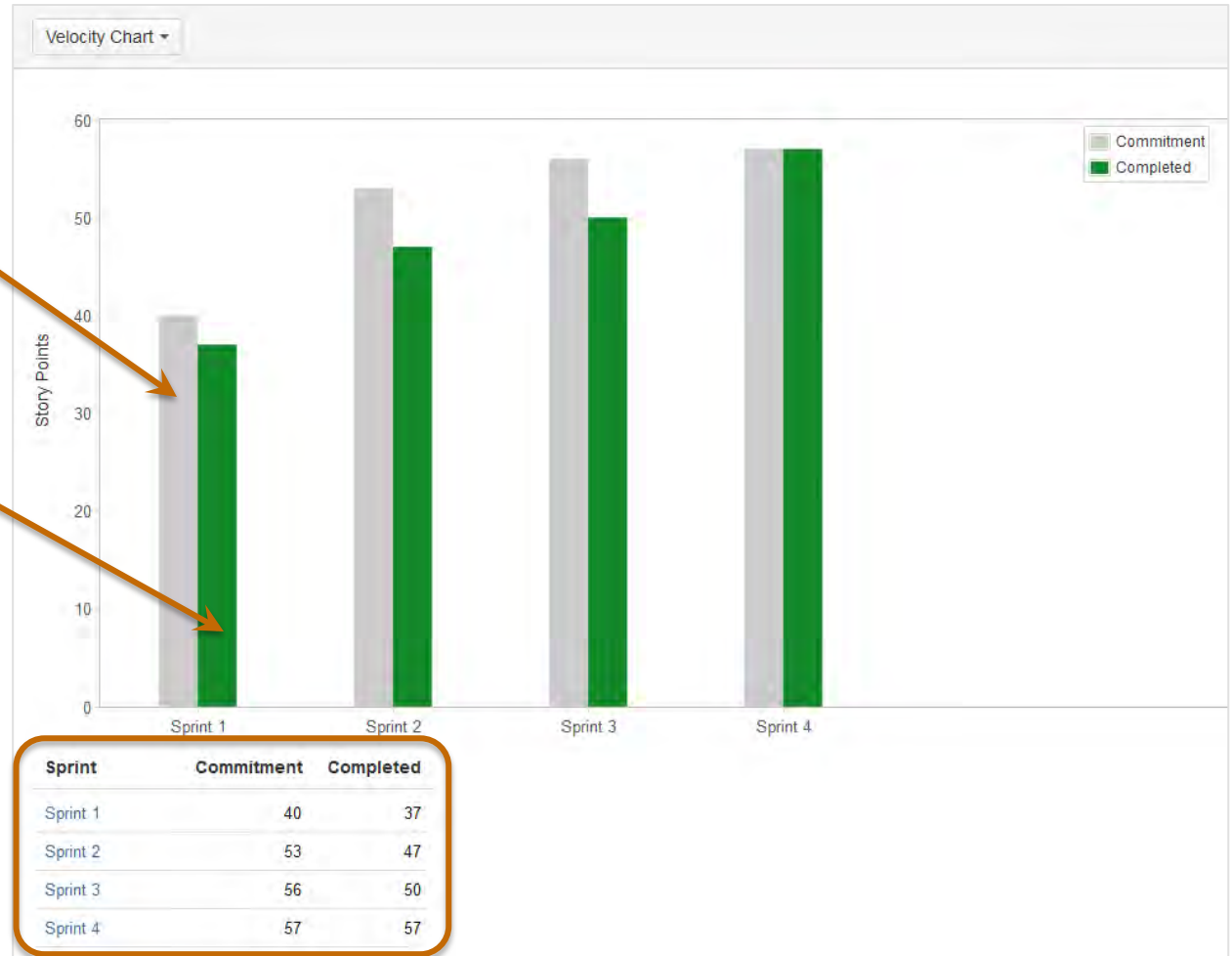
Velocity Chart

What it is	What it tells us	Why use it
A chart of the planned work vs completed work in a sprint to identify trends in team delivery. Shows historical data over multiple sprints.	What the team commits to and delivers each sprint	To identify and address trends in team commitment and delivery

Velocity Chart

Work
Commitment

Work
Completed



Sprint Delivery
History

Control Chart

What it is	What it tells us	Why use it
A diagram of the cycle time (time spent) in each workflow state for your project. Also shows a rolling average and standard deviation on the diagram.	Where bottlenecks and slow downs occur in your workflow	To identify and address workflow design problems

Control Chart

Elapsed issue is workflow state



Average
Completion Time

Rolling Average
Completion Time

Summary: Managing Work & Reporting

- Scrum Boards supports Sprint planning by allowing drag and drop Issue ranking, showing backlog/Sprint estimates, and associated Versions/Epics
- The Scrum Board helps manage Sprint start and stop dates/times and provides reporting based on team delivery in each Sprint

- Starting a Sprint
- Managing Work in an Active Sprint
- Scrum and Kanban Board Reports



Online Resources

Resource	Location
JIRA User's Guide	https://confluence.atlassian.com/display/JIRA/JIRA+User's+Guide
JIRA Agile User's Guide	https://confluence.atlassian.com/display/AGILE/JIRA+Agile+User%27s+Guide

Thank you!