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?

**Plan**
- Plan and Estimate Epics, Stories, and Tasks
- Plan and Estimate Sprints
- Allocate Team Members

**Deliver**
- Manage Sprint progress
- Monitor work in progress and address any issues

**Report**
- Report on Sprint progress and challenges
- Report on Release and Epic progress
What do Kanban Boards help us do?

- Identify and prioritize work
- Monitor work in progress and address any issues
- Report on issue progress and challenges
Scrum Board Backlog

Plan and Assign work in Backlog
Scrum Board Active Sprints

Manage your work in Active Sprints
Scrum Board Reports

View your work progress in Reports

- Burndown Chart
- Epic Report
- Epic Burndown
- Version Report
- Release Burndown
- Velocity Chart
- Control Chart
- Cumulative Flow Diagram

Sprint Report

Completed Issues

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>Issue Type</th>
<th>Priority</th>
<th>Status</th>
<th>Story Points (8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIS-9</td>
<td>After 100,000 requests the SeeSpaceEZ server dies</td>
<td>Bug</td>
<td>Blocker</td>
<td>Resolved</td>
<td>2</td>
</tr>
<tr>
<td>TIS-41</td>
<td>Update LodgingController to handle multiple travel providers in one reservation</td>
<td>Story</td>
<td>Critical</td>
<td>Closed</td>
<td>6</td>
</tr>
</tbody>
</table>
Filter your board by Version & Epic

Drag and drop to add to Version or Epic
Version and Epic Progress

### Backlog

#### Versions

<table>
<thead>
<tr>
<th>Version</th>
<th>Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>2.1</td>
<td></td>
</tr>
<tr>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Issues without versions</td>
<td></td>
</tr>
</tbody>
</table>

#### Epics

<table>
<thead>
<tr>
<th>Epic</th>
<th>Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Team Support</td>
<td></td>
</tr>
<tr>
<td>SeeSpaceEZ Plus</td>
<td></td>
</tr>
<tr>
<td>Summer Saturn Sale</td>
<td></td>
</tr>
<tr>
<td>Space Travel Partners</td>
<td></td>
</tr>
<tr>
<td>Issues without epics</td>
<td></td>
</tr>
</tbody>
</table>

Quickly view Version and Epic Progress
Creating Sprints

Name your Sprints clearly

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

Create a Sprint so you can plan your next Sprint
Planning Sprints

Drag and drop Stories to a Sprint

- TIS-36 Line up panel of former travelers to Saturn for interview content
- TIS-37 When requesting user details the service should return prior trip info
- TIS-9 After 100,000 requests the SeeSpaceEZ server dies
- TIS-41 Update LodgingController to handle multiple travel providers in one reservation

Drag and drop Stories to Rank

- TIS-9 After 100,000 requests the SeeSpaceEZ server dies
- TIS-41 Update LodgingController to handle multiple travel providers in one reservation
- TIS-37 When requesting user details the service should return prior trip info
- TIS-36 Line up panel of former travelers to Saturn for interview content
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
Select your Sprint start and end dates and times to define your reporting window and start your Active Sprint.
Active Sprint Mode

Workflow states map to columns
Work Mode

Individuals can move Stories to In Progress

And then move them to Close
Managing Work - Quick Filters

Quick Filters can help narrow down the Issues shown

Quick Filter by almost anything!
Managing Work – Swimlane

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

Active sprints: TIS - Sprint 1

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

- 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 II interview content
  - Summer Saturn Sale

To Do

In Progress

Done

0 days remaining

Complete Sprint

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

<table>
<thead>
<tr>
<th>What it is</th>
<th>What it tells us</th>
<th>Why use it</th>
</tr>
</thead>
</table>
| 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) | How the team is delivering work during a sprint  
The likelihood of achieving the sprint goal | To track sprint progress and identify issues    |
Burndown Chart

Remaining Points

Ideal Burndown Line

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

<table>
<thead>
<tr>
<th><strong>What it is</strong></th>
<th><strong>What it tells us</strong></th>
<th><strong>Why use it</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>A summary of the sprint progress to date including a small burndown chart and complete/incomplete issues</td>
<td>What the team delivered (and didn’t deliver) for a specified sprint</td>
<td>To view a summary of a sprint</td>
</tr>
</tbody>
</table>
Sprint Report

Sprint Burndown Summary Chart

Complete/ incomplete issues in the Sprint
## Epic Burndown

<table>
<thead>
<tr>
<th>What it is</th>
<th>What it tells us</th>
<th>Why use it</th>
</tr>
</thead>
<tbody>
<tr>
<td>A diagram of the team’s progress against planned and completed work in an Epic. Also shows a forecast of the sprint in which an Epic will be completed.</td>
<td>What was delivered against an Epic for every completed sprint</td>
<td>To track Epic progress each sprint</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Forecast when an Epic will be complete</td>
</tr>
</tbody>
</table>
Epic Burndown

- Work Completed (-)
- Work Remaining
- Work Added (+)
- Work Forecast

6 sprints remaining
Based on your velocity for the last 3 sprints, it will take 6 more sprints to complete this epic.

2 velocity per sprint
12 remaining
Learn more
## Release Burndown

<table>
<thead>
<tr>
<th>What it is</th>
<th>What it tells us</th>
<th>Why use it</th>
</tr>
</thead>
<tbody>
<tr>
<td>A diagram of the team’s progress against planned and completed work in a</td>
<td>What was delivered against a Version for every completed sprint</td>
<td>To track Release progress each sprint</td>
</tr>
<tr>
<td>Release (Version). Also shows a forecast of the sprint in which a Release</td>
<td></td>
<td>Forecast when a Release will be complete</td>
</tr>
<tr>
<td>(Version) will be completed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Release Burndown

- Work Completed (-)
- Work Remaining
- Work Forecast

Work Added (+) – not shown
<table>
<thead>
<tr>
<th>What it is</th>
<th>What it tells us</th>
<th>Why use it</th>
</tr>
</thead>
<tbody>
<tr>
<td>A chart of the planned work vs completed work in a sprint to identify</td>
<td>What the team commits to and delivers each sprint</td>
<td>To identify and address trends in team</td>
</tr>
<tr>
<td>trends in team delivery. Shows historical data over multiple sprints.</td>
<td></td>
<td>commitment and delivery</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Velocity Chart

Work Commitment

Work Completed

Sprint Delivery History

<table>
<thead>
<tr>
<th>Sprint</th>
<th>Commitment</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sprint 1</td>
<td>40</td>
<td>37</td>
</tr>
<tr>
<td>Sprint 2</td>
<td>53</td>
<td>47</td>
</tr>
<tr>
<td>Sprint 3</td>
<td>56</td>
<td>60</td>
</tr>
<tr>
<td>Sprint 4</td>
<td>57</td>
<td>57</td>
</tr>
<tr>
<td>What it is</td>
<td>What it tells us</td>
<td>Why use it</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-------------------------------------------------------</td>
<td>------------------------------------------------------</td>
</tr>
<tr>
<td>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.</td>
<td>Where bottlenecks and slow downs occur in your workflow</td>
<td>To identify and address workflow design problems</td>
</tr>
</tbody>
</table>
Control Chart

Elapsed issue is workflow state

Issues

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
<table>
<thead>
<tr>
<th>Resource</th>
<th>Location</th>
</tr>
</thead>
</table>
Thank you!