

COSC 205

Project Management

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Winter, 2023

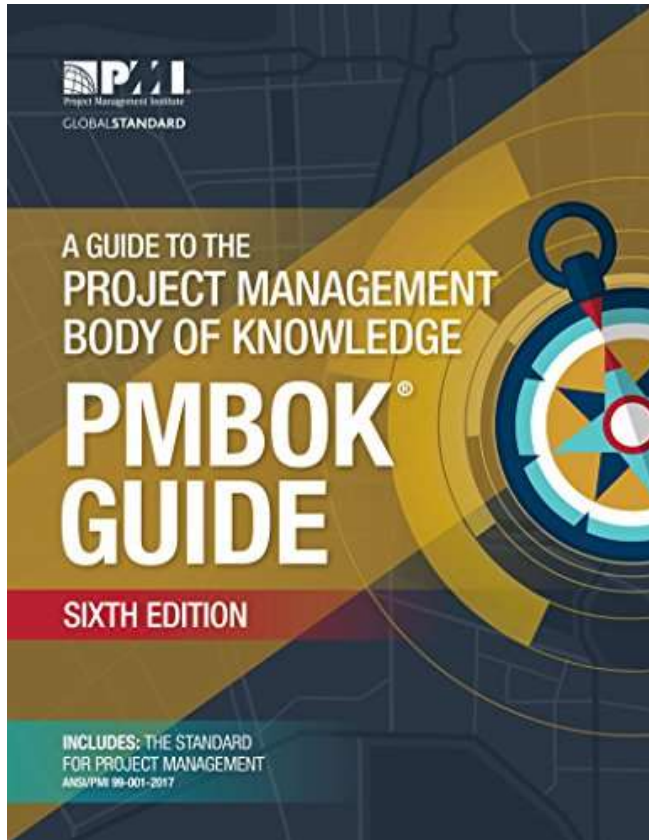
Course Outline

- Introduction to Project Management
 - PM, SDLC, JIRA
 - Agile / Scrum
- **Software/Tool Evaluation**
 - **Tool evaluation and review**
- Integration & Scope
- Time Management
 - Gantt Chart
 - Critical Path
- Cost Management
- Quality
- Human Resource
- Communication
- Risk
- Procurement

Lab Sessions

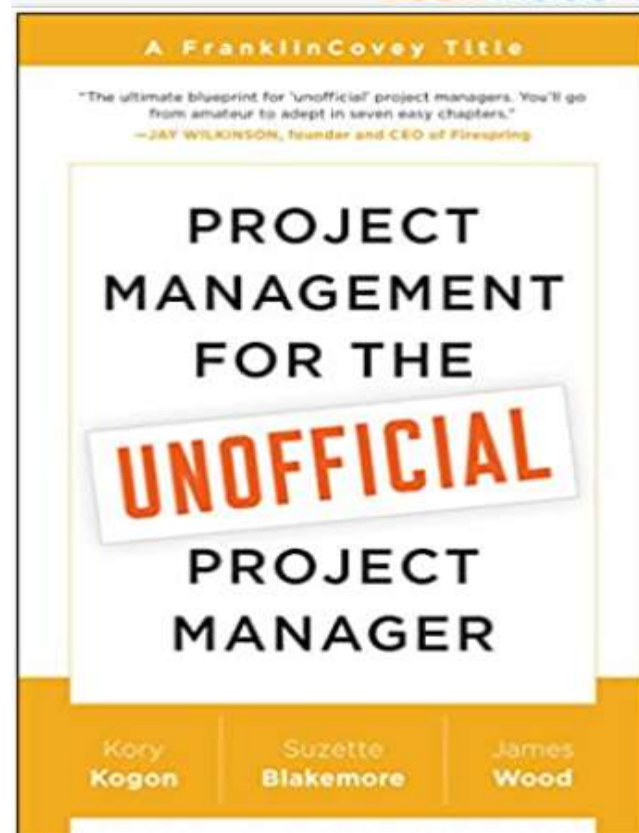
- JIRA setup
- Tools review
- Costing with MS Excel
- Gantt Chart
- Presentations

Suggested Texts



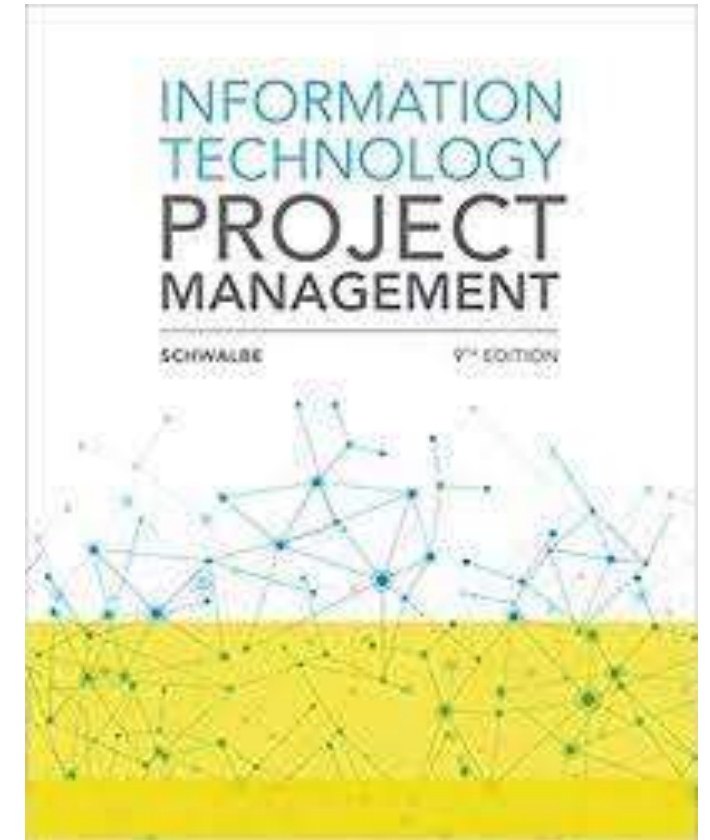
A Guide to the Project Management Body of Knowledge by Project Management Institute

by PMI



Project Management for the Unofficial Project Manager

by Kory Kogon, Suzette Blakemore, James Wood



Information Technology Project Management

By Schwalbe, K.

Lecture IB

PM Tools

Learning Objectives:

- Introduction to JIRA
- Introduction to MS Projects

What is JIRA?

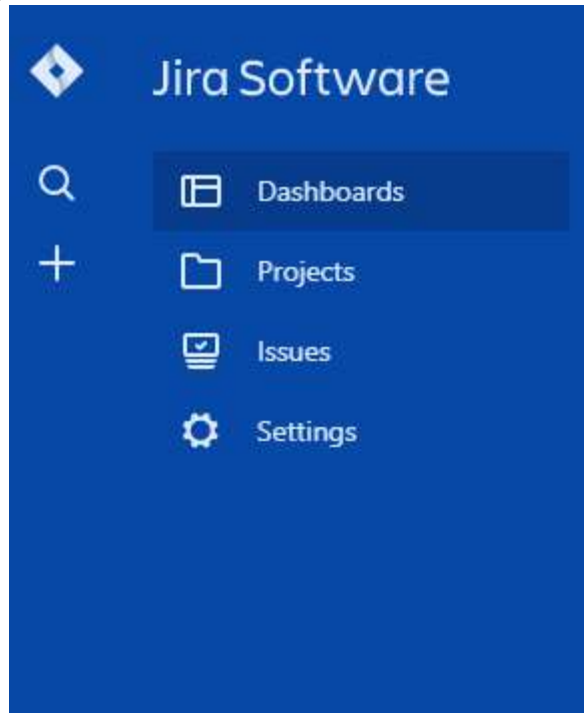
- JIRA is a Project Management software for planning, tracking, releasing and reporting on projects.
- Allows collaboration across Team members.
- It is platform/OS independent, runs in the Cloud
- Jira in a Nutshell Demo Video - https://www.youtube.com/watch?v=PQa3NFB_LRg&t=3s

JIRA on the Cloud

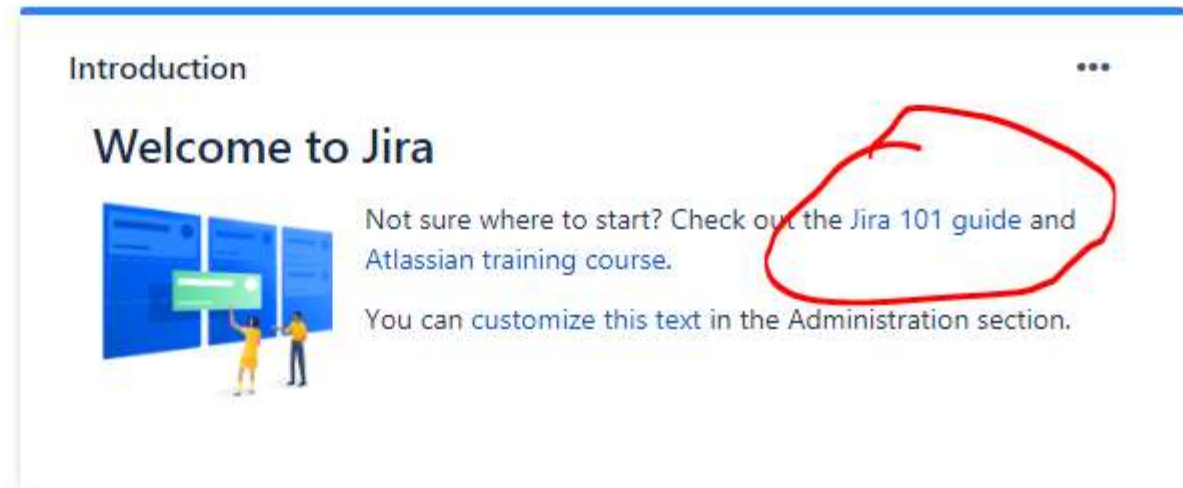
Agile Project Management

JIRA 101

- This week, with your one week free trial of Jira active,
- Teach yourself everything you need to know about JIRA SCRUM projects – **JIRA 101**
- Explore menus and options
- Explore reports



System dashboard



Deliverables: JIRA Agile Project management

- Create Jira account
- Choose Scrum project style
- Create new project
- Invite Users to join your team / assign them a role (i.e. Developer)
- Brainstorm all activities on backlog
 - Understand story points / tasks / sub tasks / etc.
- During the week: Start Sprint, set a day before the next lab date + time as the End of the sprint
- During week: Move cards from “To Do” to “In Progress” to “Done”

Deliverables: JIRA Agile Project management

- While “In Progress” Log a specific number of hours on different days before moving to “Done” ...
 - Find “Log Work” on a menu, enter hours, this is called tracking,
 - if there was a timer function that you turned on at the start of work, then turned off at the end of work then this would be called real-time tracking
- On Thurs. formally “Complete Sprint”
- Generate Reports: Burndown charts, Velocity chart, Cumulative Flow Diagram
 - Use Snipping tool to capture screenshots
 - Your free trial ends today
- Understand the pattern, then explain why your chart looks the way it does:
 - Show Ola your personal on Thursday Jan 12 / Tuesday Jan 17
- Lab marks = 4 will be assigned in COSC 205 ... though you will did work on both COSC 205 & 224 labs

Jira Agile ... the overall process

- Create SCRUM board with “story points”
- Create “epic”
- Create issue items in “backlog”
- Plan your “sprint”
- Add issues to sprint of type: tasks, bug, meetings
- Start Sprint: 5 days, 8 hours a day, not on weekends
- Track your work
- End sprint
- Sprint Report: Burndown chart
- Retrospective: team discusses how it went

Start the JIRA 101 guide.



Our cloud products work even better together

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EACH PRODUCT ON A FREE PLAN:

- ✓ Supports up to 10 users or 3 agents
- ✓ Includes 2 GB of storage
- ✓ Offers Community support
- ✓ Is always free, no credit card needed

 **Larger team?**
[Compare plans](#)

YOU SELECTED



Jira Software
Project and issue tracking

SELECT A SECOND PRODUCT



Confluence
Document collaboration

Select

Add context to your projects with a single source of truth for product requirements, release notes, and documentation.



Jira Service Management
High-velocity ITSM

Select

Empower Dev and Ops teams to collaborate at high-velocity, so they can respond to business changes and deliver service experiences fast.

Next

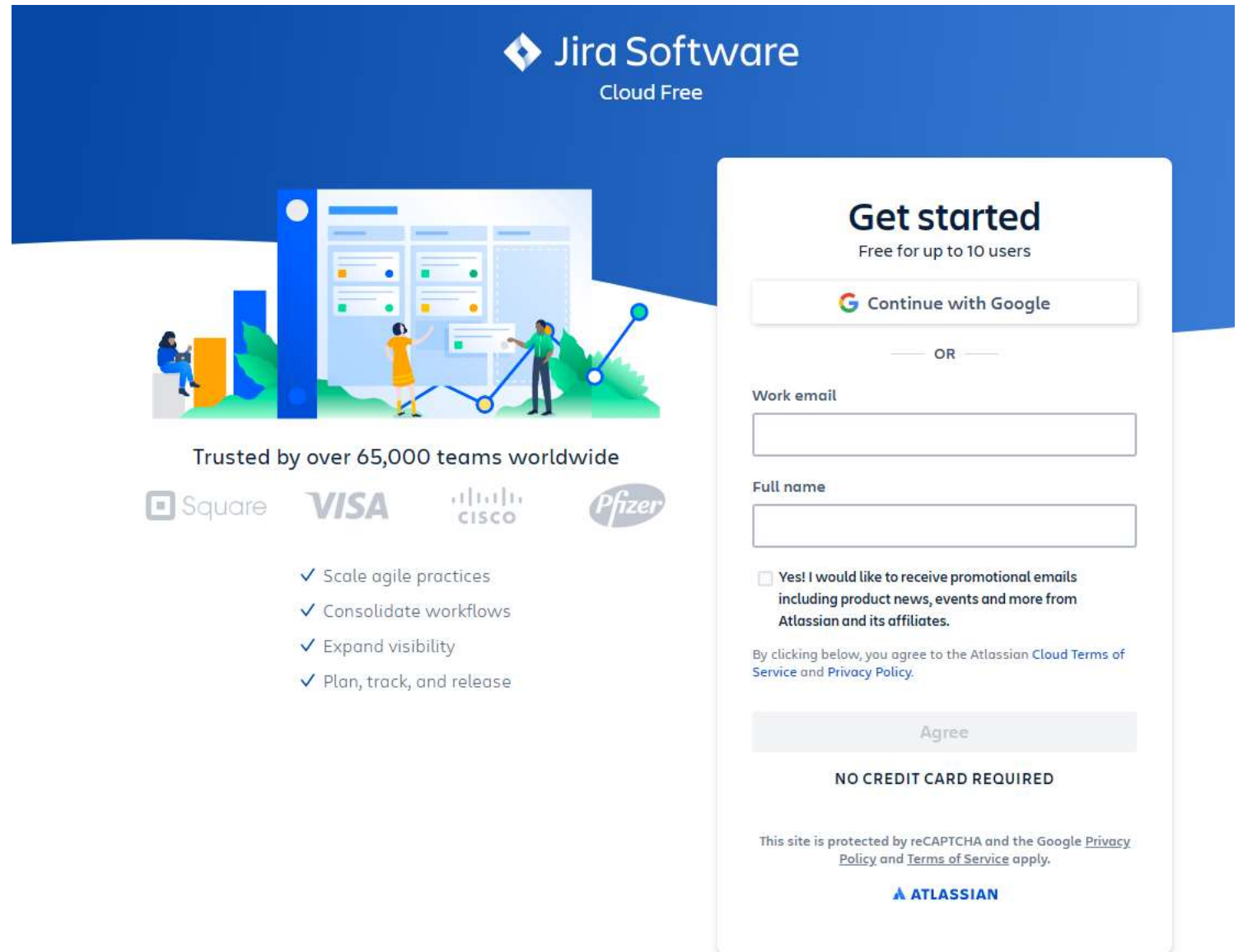
NO CREDIT CARD REQUIRED

Create Account

Sign up with email

Verify account (might be in SPAM)


Choose website name



The image shows the Jira Software Cloud Free sign-up page. The header features the Jira Software logo and 'Cloud Free' text. Below the header is an illustration of people working on a large screen displaying a Jira board. The text 'Trusted by over 65,000 teams worldwide' is followed by logos for Square, VISA, CISCO, and Pfizer. A list of benefits includes: 'Scale agile practices', 'Consolidate workflows', 'Expand visibility', and 'Plan, track, and release'. The right side of the page contains a 'Get started' section with the text 'Free for up to 10 users'. It offers a 'Continue with Google' button, followed by an 'OR' separator. Below this are input fields for 'Work email' and 'Full name'. A checkbox option reads: 'Yes! I would like to receive promotional emails including product news, events and more from Atlassian and its affiliates.' A disclaimer states: 'By clicking below, you agree to the Atlassian Cloud Terms of Service and Privacy Policy.' An 'Agree' button is present, along with the text 'NO CREDIT CARD REQUIRED'. At the bottom, it says 'This site is protected by reCAPTCHA and the Google Privacy Policy and Terms of Service apply.' and the Atlassian logo.

Jira Software
Cloud Free

Get started
Free for up to 10 users

 Continue with Google

OR

Work email

Full name


☐ Yes! I would like to receive promotional emails including product news, events and more from Atlassian and its affiliates.

By clicking below, you agree to the [Atlassian Cloud Terms of Service](#) and [Privacy Policy](#).

Agree

NO CREDIT CARD REQUIRED

This site is protected by reCAPTCHA and the Google [Privacy Policy](#) and [Terms of Service](#) apply.

 **ATLASSIAN**

Choose Scrum Style



Create new project

Name

Template

Scrum [Change](#)

Create

Cancel



Recommend a project

Answer a few questions and we will suggest a project type that works best for you and your team.

Help us set up your Jira

I am [new to](#) Jira.

I am setting up Jira for [my software team\(s\)](#)

My team is [new to](#) agile methodologies.

We spend our time working on

- features
- support/operations
- fixing bugs

Next

Invite Users

The screenshot shows the Google Admin console interface. On the left, the 'Administration' menu is highlighted with a red circle, and the 'Users' link under 'USER MANAGEMENT' is also circled in red. A red line connects the 'Users' link to the 'Invite users' button on the right. The 'Invite new users' section contains three input fields for 'Full name' and 'Email address', and a blue 'Invite users' button circled in red. Below this is a search bar and two dropdown menus. At the bottom, a table lists existing users.

Invite new users

Full name Email address

Full name Email address

Full name Email address

Invite users

Q Name, username or email contains Active users All access levels

Full name	Username	Email address	Last active ?
Deborah Warren	admin	ocseti.info@gmail.com	2 Jan 2018

Brainstorm activities in backlog

- Understand story points / tasks / sub tasks / etc.

The screenshot shows the Jira interface for a project named 'Test_10dollars'. The left sidebar contains a menu with 'Backlog' highlighted in red. The main area displays the 'Backlog' view, which is also circled in red. A red line connects the 'Backlog' menu item to the 'Backlog' header in the main area. The backlog contains a list of issues, with the first issue circled in red. The 'Create issue' button at the bottom is also circled in red.

Test_10dollars
Software project

Backlog

Quick filters ▾ Assignee ▾

VERSIONS
EPICS

Instructions for deleting this sample board and project are in the description for this issue >> Click the "TES-17" link and read the description tab of the detail v TES-17 ↑

As a team, we can finish the sprint by clicking the cog icon next to the sprint name above the "To Do" column then selecting "Complete Sprint" >> Try closing this sp TES-16 ↑ 2

As a scrum master, I can see the progress of a sprint via the Burndown Chart >> Click "Reports" to view the Burndown Chart TES-15 ↑ 4

As a developer, I can update details on an item using the Detail View >> Click the "TES-13" link at the top of this card to open the detail view VERSION 2.0 TES-13 ↑

As a developer, I can update story and task status with drag and drop (click the triangle at far left of this story to show sub-tasks) VERSION 2.0 TES-10 ↑ 5

As a user, I can find important items on the board by using the customisable "Quick Filters" above >> Try clicking the "Only My Issues" Quick Filter above TES-14 ↑ 3

Backlog 8 issues Create sprint

As a developer, I'd like to update story status during the sprint >> Click the Active sprints link at the top right of the screen to go to the Active sprints where the curre TES-9 ↑ 3

As a product owner, I'd like to include bugs, tasks and other issue types in my backlog >> Bugs like this one will also appear in your backlog but they a VERSION 2.0 TES-8 ↑

As a scrum master, I'd like to break stories down into tasks we can track during the sprint >> Try creating a task by clicking the Sub-Tasks tab in the Detail View on the TES-6 ↑ 1

As a team, I'd like to commit to a set of stories to be completed in a sprint (or iteration) >> Click "Create Sprint" then drag the footer down to select issues for a sprint TES-5 ↑ 1

As a team, I'd like to estimate the effort of a story in Story Points so we can understand the work remaining >> Try setting the Story Points for this story VERSION 3.0 TES-4 ↑ 5

As a product owner, I'd like to rank stories in the backlog so I can communicate the proposed implementation order >> Try dragging this story up abo VERSION 3.0 TES-3 ↑ 5

As a product owner, I'd like to express work in terms of actual user problems, aka User Stories, and place them in the backlog >> Try creating a new stc VERSION 2.0 TES-2 ↑ 2

As an Agile team, I'd like to learn about Scrum >> Click the "TES-1" link at the left of this row to see detail in the Description tab on the right VERSION 2.0 TES-1 ↑ 2

+ Create issue

Sprint set up: start and end?

Then start the Sprint

... be sure to contribute to the other teams you belong to

...Tuesday to Monday ... repeat each day in class.

The screenshot shows the Jira interface for the 'Test_10dollars' project. The left sidebar contains navigation links: Backlog, Active sprints, Reports, Releases, Issues, Components, Add item, and Settings. The main area displays the 'Backlog' view with a search bar, quick filters, and an assignee dropdown. A red line highlights the 'Sample Sprint 2' section, which shows 6 issues and a date range from 26/Dec/17 7:23 AM to 09/Jan/18 7:43 AM. Below this, the 'Backlog' section shows 8 issues. A red circle highlights the 'Create sprint' button in the top right corner. The bottom of the screen shows a list of issues with their descriptions, versions, and TES IDs.

Issue Description	Version	TES ID	Count
As a developer, I'd like to update story status during the sprint >> Click the Active sprints link at the top right of the screen to go to the Active sprints where the current	TES-9	↑	3
As a product owner, I'd like to include bugs, tasks and other issue types in my backlog >> Bugs like this one will also appear in your backlog but they are	VERSION 2.0 TES-8	↑	
As a scrum master, I'd like to break stories down into tasks we can track during the sprint >> Try creating a task by clicking the Sub-Tasks tab in the Detail View on the right	TES-6	↑	1
As a team, I'd like to commit to a set of stories to be completed in a sprint (or iteration) >> Click "Create Sprint" then drag the footer down to select issues for a sprint (you	TES-5	↑	1
As a team, I'd like to estimate the effort of a story in Story Points so we can understand the work remaining >> Try setting the Story Points for this story in	VERSION 3.0 TES-4	↑	5
As a product owner, I'd like to rank stories in the backlog so I can communicate the proposed implementation order >> Try dragging this story up above	VERSION 3.0 TES-3	↑	5
As a product owner, I'd like to express work in terms of actual user problems, aka User Stories, and place them in the backlog >> Try creating a new story	VERSION 2.0 TES-2	↑	2
As an Agile team, I'd like to learn about Scrum >> Click the "TES-1" link at the left of this row to see detail in the Description tab on the right	VERSION 2.0 TES-1	↑	2

+ Create issue

Edit Sprint

TES board

Backlog

Quick filters ▾ Assignee ▾

VERSIONS > **Sample Sprint 2** 6 issues

26/Dec/17 7:23 AM • 09/Jan/18 7:43 AM

EPICS **Backlog** 8 issues

- As a developer
- As a product owner
- As a scrum master
- As a team, I'd like
- As a team, I'd like
- As a product owner
- As a product owner
- As an Agile team

+ Create issue

Edit sprint: Sample Sprint 2

Sprint name: *

Sample Sprint 2

Start date: *

26/Dec/17 7:23 AM

End date: *

09/Jan/18 7:43 AM

Sprint goal:

Update Cancel

Sprint "In Progress"

The screenshot shows a Jira board for a project named 'Test_10dollars Software project'. The board is titled 'Sample Sprint 2' and has a timer showing '4 days remaining'. The left sidebar contains navigation options: Backlog, Active sprints (highlighted with a red circle), Reports, Releases, Issues, Components, Add item, and Settings. The board columns are 'TO DO', 'IN PROGRESS', and 'DONE', all highlighted with red circles. Red arrows point from the 'Active sprints' menu item to the 'Sample Sprint 2' title, and from the 'TO DO' and 'IN PROGRESS' column headers to the task 'TES-10'. The task 'TES-10' is in the 'IN PROGRESS' column and has a description: 'As a developer, I can update story and task status with drag and drop (click the triangle at far left of this story to show sub-tasks)'. Below the main board, there are three cards: 'TES-13' with the description 'As a developer, I can update details on an item using the Detail View >> Click the "TES-13" link at the top of this card to open the detail view', 'TES-14' with the description 'As a user, I can find important items on the board by using the customisable "Quick Filters" above >> Try clicking the "Only My Issues" Quick Filter above', and 'TES-17' with the description 'Instructions for deleting this sample board and project are in the description for this issue >> Click the "TES-17" link and read the description tab of the detail view for more'. At the bottom, there is a card for 'TES-14' with the description 'As a team, we can finish the sprint by clicking the cog icon next to the sprint name above the "To Do" column then'.

Test_10dollars
Software project

Backlog

Active sprints

Reports

Releases

Issues

Components

Add item

Settings

TES board

Sample Sprint 2

4 days remaining

Complete sprint

TO DO

IN PROGRESS

DONE

TES-10 IN PROGRESS 2 sub-tasks As a developer, I can update story and task status with drag and drop (click the triangle at far left of this story to show sub-tasks)

Update task status by dragging and dropping from column to column >> Try dragging this task to "Done"

TES-11

When the last task is done, the story can be automatically closed >> Drag this task to "Done" too

TES-12

Other Issues 5 issues

As a developer, I can update details on an item using the Detail View >> Click the "TES-13" link at the top of this card to open the detail view

TES-13

As a user, I can find important items on the board by using the customisable "Quick Filters" above >> Try clicking the "Only My Issues" Quick Filter above

TES-14

Instructions for deleting this sample board and project are in the description for this issue >> Click the "TES-17" link and read the description tab of the detail view for more

TES-17

As a team, we can finish the sprint by clicking the cog icon next to the sprint name above the "To Do" column then

Sprint “Log work” ...

find the “log work menu item

The screenshot displays the Jira interface for a project named 'Test_10dollars'. The left sidebar contains a navigation menu with the following items: Backlog, Active sprints, Reports, Releases, **Issues** (circled in red), Components, Add item, and Settings. A red line originates from the 'Issues' menu item and points to the 'Log work' option in the context menu of an issue titled 'TES-14'.

The issue 'TES-14' is currently in the 'IN PROGRESS' status. The context menu for this issue includes the following options: Log work, Agile board, Rank to top, Rank to bottom, Attach files, Voters, Watch issue, Watchers, Create sub-task, Convert to sub-task, Move, Link, Clone, and Labels.

The main content area of the issue shows the following details:

- Type: Story
- Priority: Medium
- Status: IN PROGRESS (View workflow)
- Resolution: Unresolved
- Affects Version/s: None
- Fix Version/s: None
- Labels: None
- Sprint: Sample Sprint 2

The description of the issue is: 'As a user, I can find important items on the board by using the customisable "Quick Filters" above > > Try clicking the "Only My Issues" Quick Filter above'. Below the description, there is a section for 'Attachments' with a placeholder for dropping files. The 'Activity' section shows a comment by Deborah Warren added yesterday.

Scrum Board

🕒 7 days remaining [Complete Sprint](#)

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

2 To Do

🔴 TIS-68
Homepage footer uses an inline style - should use a class



Large Team Support

4

🟢 TIS-16
Establish relationship with local office supplies company

Local Mars Office

9

3 In Progress

🟢 TIS-49
Draft network plan for Mars Office



Local Mars Office

5

🟢 TIS-17
Engage Saturn's Rings Resort as a preferred provider



Space Travel Partners

7

🟢 TIS-30
Create Saturn Summer Sizzle Logo



Summer Saturn Sale

1

🟢 TIS-23
Engage JetShuttle SpaceWays for short distance space travel



Local Mars Office

1

2 Code Review

🟢 TIS-69
Add a string anonymizer to TextUtils



Large Team Support

1

🔴 TIS-67
Developer Toolbox does not display by default



Large Team Support

5

1 Done

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



Large Team Support

2

🔴 TIS-66
Add pointer to main css file to instruct user to create child themes



Large Team Support

4

🟢 TIS-46
Email non registered users to sign up with Teams in Space

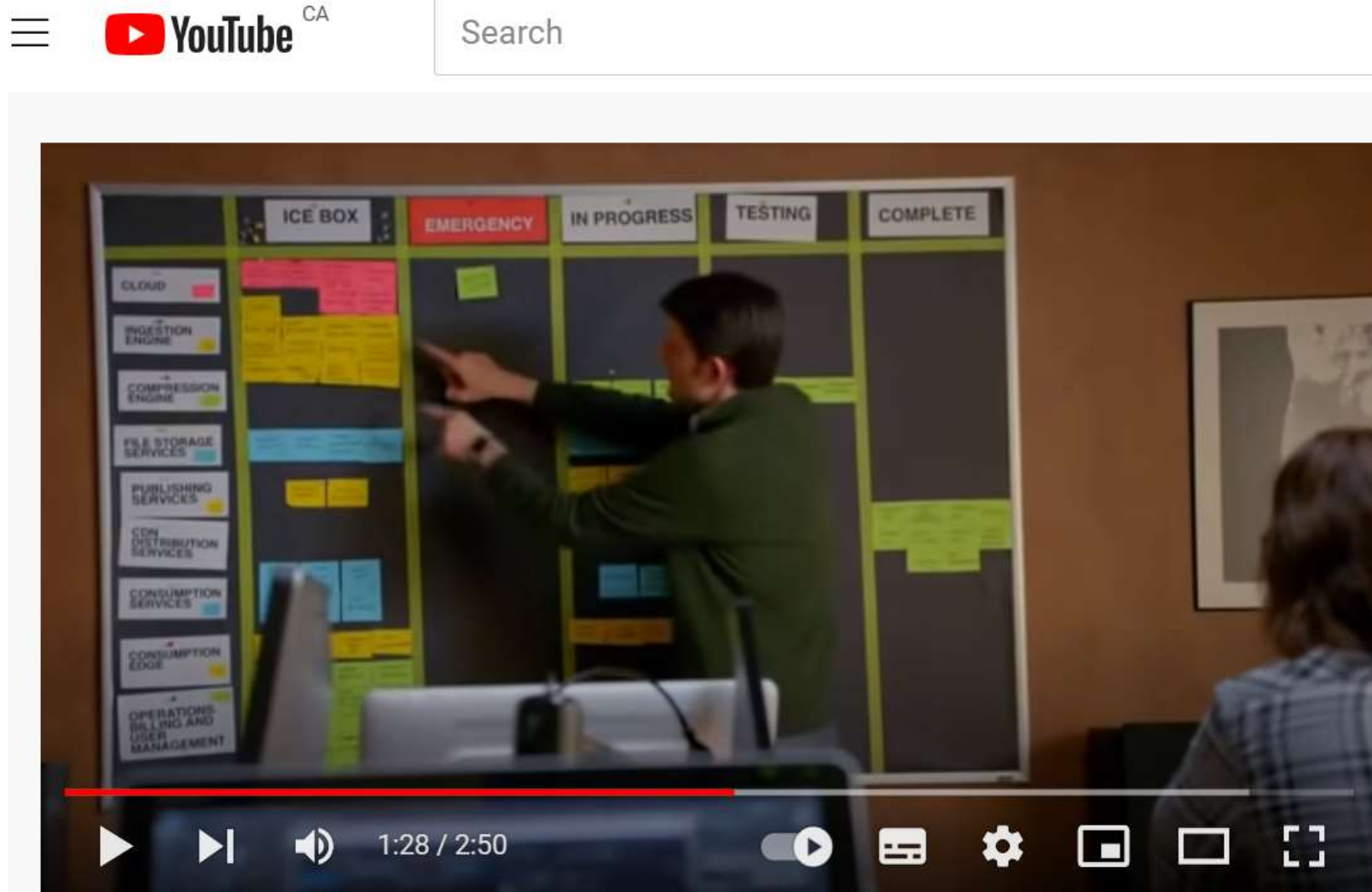


Summer Saturn Sale

8

Scrum Board

- <https://www.youtube.com/watch?v=oyVksFviJVE>



Silicon Valley S01E05 scrum scene

Sprint “Log work” ...
find the “log work me

The screenshot shows the 'Log Work' form in Jira. Red annotations highlight the following elements:

- Log Work: TES-14**: The task name at the top of the form.
- Time Spent***: A field containing '5h' with a help icon. A red star is drawn next to it.
- Date Started***: A date field showing '02/Jan/18 6:16 PM'.
- Remaining Estimate**: A section with four radio button options:
 - ☒ Adjust automatically (with a sub-note: 'the estimate will be reduced by the amount of work done, but never below 0.')
 - ☐ Use existing estimate of 0 minutes
 - ☐ Set to [field] (eg. 3w 4d 12h)
 - ☐ Reduce by [field] (eg. 3w 4d 12h)
- Work Description**: A rich text editor area with a toolbar containing options like Style, Bold, Italic, Underline, Link, and others.
- Log**: A blue button at the bottom right, circled in red.

A red line connects the 'Time Spent' field to the 'Log' button.

“Done”

- Ensure all backlog items have been worked on, completed and moved to the “Done” section, then complete sprint

Agile SCRUM “effort” estimation?

21st
NOV

Scrum Effort Estimation and Story Points

Posted by admin under [Scrum Basics](#)

Anxiety about estimation usually means the organization is not strong in the other Agile practices such as Test Driven Development (TDD). Scrum requires that the product be kept in *a potentially shippable* (e.g. properly tested/integrated) state every Sprint, that the Product Owner declares which work is top priority, and that work be split into thin vertical slices, typically *customer-centric user stories* no bigger than a few days each. If we're doing the other Agile stuff right, we cannot miss release dates because *the product is shippable every week* or two. The only downside of getting estimates wrong is that we'll ship on time while omitting the less important features — a less stressful way to live than what waterfall or pseudo-Agile teams are experiencing today.

Agile SCRUM “effort” estimation?

- <http://scrummethodology.com/>
- <http://scrummethodology.com/scrum-effort-estimation-and-story-points/>
- After each sprint, the product should be *potentially* shippable (*with proper testing and integration*).
- A sprint should only be a few days long.

Agile SCRUM “effort” estimation?

What does the process of estimation look like? Scrum does not prescribe a single way for teams to estimate their work. The only estimate that's defined by Scrum is whether a team will attempt a PBI this Sprint or not, as decided in the Sprint Planning Meeting. Common estimating methods include t-shirt sizes (S, M, L, and too big), powers of 2 (1, 2, 4, 8), the Fibonacci sequence (1, 2, 3, 5, 8, etc.), or simply small vs. needs-to-be-split (see #NoEstimates below).

Scrum Board configure set up?

The screenshot shows the 'Configure Sample Scrum Project' page in Jira. The left sidebar contains a 'CONFIGURATION' menu with options: General, Columns, Swimlanes, Quick Filters, Card colors, Card layout, Estimation, Working days, and Issue Detail View. The 'Estimation' option is circled in red. The main content area is titled 'Estimation' and includes a description: 'Issues can be estimated when in the Backlog to get an idea of how much work is being committed to in a sprint. [Read more about estimation and tracking.](#)' Below this is the 'Estimation Statistic' dropdown menu, which is also circled in red. The dropdown is open, showing four options: 'Story Points' (highlighted in blue), 'Original Time Estimate', 'Business Value', and 'Issue Count'. A red bracket and question mark are drawn next to the dropdown menu. Below the dropdown is the 'Time Tracking' section, which has two radio button options: 'None' (selected) and 'Remaining Estimate and Time Spent'. The 'None' option has a description: 'Issues will burn down their Story Points value upon completion.' The 'Remaining Estimate and Time Spent' option has a description: 'Track time against issues using JIRA's Remaining Estimate and Time Spent fields.'

Configure Sample Scrum Project

CONFIGURATION

- General
- Columns
- Swimlanes
- Quick Filters
- Card colors
- Card layout
- Estimation**
- Working days
- Issue Detail View

Estimation

Issues can be estimated when in the Backlog to get an idea of how much work is being committed to in a sprint. [Read more about estimation and tracking.](#)

Estimation Statistic

- Story Points**
- Original Time Estimate
- Business Value
- Issue Count

Time Tracking

☒ None

Issues will burn down their Story Points value upon completion.

☐ Remaining Estimate and Time Spent

Track time against issues using JIRA's Remaining Estimate and Time Spent fields.

Agile SCRUM “effort” estimation?

▼ [Configuring Estimation & Tracking:](#)
(click to expand)

Many Scrum teams estimate stories in Story Points, then *track* tasks using hours. JIRA Agile therefore gives you the flexibility to set your estimation and tracking statistics differently, depending on what best suits your team. By default, your Scrum board will use Story Points for estimation, and will also use Story Points for tracking.

Done criteria?

Sample Scrum Project

Backlog Active sprints Reports Board

QUICK FILTERS: Only My Issues Recently Updated

Backlog 16 issues [Create Sprint](#)

SSP-29 daily meeting

SSP-28 task one

SSP-32 hgkjghjkg

SSP-10 As a developer, I can update story and task status with drag and drop (click the triangle at far left of t Version 2.0

SSP-13 As a developer, I can update details on an item using the Detail View >> Click the "SSP-13" link at th Version 2.0

SSP-14 As a user, I can find important items on the board by using the customisable "Quick Filters" above >> Try clicking th

SSP-24 As a developer, I want to create my first story point: Starwars Ep 4 Garburator scene 1h

SSP-1 As an Agile team, I'd like to learn about Scrum >> Click the "SSP-1" link at the left of this row to see detail i Version 2.0

SSP-2 As a product owner, I'd like to express work in terms of actual user problems, aka User Stories, and place t Version 2.0

SSP-3 As a product owner, I'd like to rank stories in the backlog so I can communicate the proposed implementati Version 3.0

SSP-4 As a team, I'd like to estimate the effort of a story in Story Points so we can understand the work remaining Version 3.0

SSP-5 As a team, I'd like to commit to a set of stories to be completed in a sprint (or iteration) >> Click "Create Sprint" then drag

Sample Scrum Project / SSP-10

As a developer, I can update story and task status with drag and drop (click the triangle at far left of this story to show sub-tasks)

Estimate: Unestimated

There are no linked issues

Description

There is no description content

Comments

2

Deborah Warren added a comment - 28/Dec/16 8:50 AM

Joined Sample Sprint 2 7 days 9 hours 10

Done criteria?

ISSUE STATUSES

Each issue has a status, which indicates the stage of the issue. In the default workflow, issues start as being Open, progressing to In Progress, Resolved and then Closed. Other workflows may have other status transitions.

OPEN

The issue is open and ready for the assignee to start work on it.

IN PROGRESS

This issue is being actively worked on at the moment by the assignee.

REOPENED

This issue was once resolved, but the resolution was deemed incorrect. From here issues are either marked assigned or resolved.

RESOLVED

A resolution has been taken, and it is awaiting verification by reporter. From here issues are either reopened, or are closed.

CLOSED

The issue is considered finished, the resolution is correct. Issues which are closed can be reopened.

TO DO

DONE

This status is managed internally by JIRA Agile

TEST

Ticket ready for QA

READY FOR QA

IN QA

QA SIGN-OFF

BLOCKED

This status is managed internally by JIRA Agile

VALIDATE

This status is managed internally by JIRA Agile

Resolutions

An issue can be resolved in many ways, only one of them being "Fixed". The defined resolutions are listed below. You can add more in the administration section.

Fixed

A fix for this issue is checked into the tree and tested.

Won't Fix

The problem described is an issue which will never be fixed.

Duplicate

The problem is a duplicate of an existing issue.

Incomplete

The problem is not completely described.

Cannot Reproduce

All attempts at reproducing this issue failed, or not enough information was available to reproduce the issue. Reading the code produces no clues as to why this behavior would occur. If more information appears later, please reopen the issue.

GreenHopper Managed Resolution

Done



Estimate story points?

The screenshot shows the JIRA interface for the 'DEBS board'. The top navigation bar includes 'JIRA', 'Dashboards', 'Projects', 'Issues', 'Tempo', 'Agile', 'Active Scrum', and a 'Create' button. The board title is 'DEBS board'. Below the title, there are quick filters: 'Only My Issues' and 'Recently Updated'. The main area displays a 'Backlog' with 5 issues. The issues are listed as follows:

- DEBS-2 As a writer, I want to rewrite the garburetor scene in STW 4 to make it funnier
- DEBS-3 222222222
- DEBS-4 333333333
- DEBS-5 444444444
- DEBS-6 As a robot fan, I want to add a new robot, that is clumsy

The issue 'DEBS-6' is highlighted. To the right of the backlog, there is a 'Create Sprint' button. On the far right, the details for 'DEBS-6' are shown. The details panel includes the following information:

- Status: OPEN
- Component/s: None
- Labels: None
- Affects Version/s: None
- Fix Version/s: None
- Epic: None

In the details panel, the 'Estimate' field is set to 4. A red circle highlights the 'Estimate' field, and a red arrow points to it from the 'DEBS-6' issue in the backlog. Another red circle highlights the 'Story Points' button, which is located next to the 'Estimate' field.

Estimating time 1m, .5h? 1h , 1d, 1w

Sample Scrum Project

QUICK FILTERS: Only My Issues Recently Updated

Backlog Active sprints Reports Board

SSP-14 As a user, I can find important items on the board by using the customisable "Quick Filters" above >> Try clicking the "Only My Issues" Quick Filter above

SSP-15 As a scrum master, I can see the progress of a sprint via the Burndown Chart >> Click "Reports" to view the Burndown Chart

SSP-16 As a team, we can finish the sprint by clicking the cog icon next to the sprint name above the "To Do" column then selecting "Complete Sprint" >> Try closing this sprint now

SSP-17 Instructions for deleting this sample board and project are in the description for this issue >> Click the "SSP-17" link and read the description tab of the detail view for more

Backlog 12 issues

Create Sprint

SSP-24 As a developer, I want to create my first story point: Starwars Ep 4 Garburator scene 1h

SSP-1 As an Agile team, I'd like to learn about Scrum >> Click the "SSP-1" link at the left of this row to see detail in the Description tab on the right Version 2.0

SSP-2 As a product owner, I'd like to express work in terms of actual user problems, aka User Stories, and place them in the backlog >> Try creating a new story with the "+ Create Issue" Version 2.0

SSP-3 As a product owner, I'd like to rank stories in the backlog so I can communicate the proposed implementation order >> Try dragging this story up above the previous story Version 3.0

SSP-4 As a team, I'd like to estimate the effort of a story in Story Points so we can understand the work remaining >> Try setting the Story Points for this story in the "Estimate" field Version 3.0

SSP-5 As a team, I'd like to commit to a set of stories to be completed in a sprint (or iteration) >> Click "Create Sprint" then drag the footer down to select issues for a sprint (you can't start a sprint at the

SSP-6 As a scrum master, I'd like to break stories down into tasks we can track during the sprint >> Try creating a task by clicking the Sub-Tasks tab in the Detail View on the right

SSP-8 As a product owner, I'd like to include bugs, tasks and other issue types in my backlog >> Bugs like this one will also appear in your backlog but they are not normally estimated Version 2.0

SSP-9 As a developer, I'd like to update story status during the sprint >> Click the Active sprints link at the top right of the screen to go to the Active sprints where the current Sprint's items can be update

SSP-25 As a writer, I want to recreate the schene where Luke meets Yoda 30m

SSP-26 I want to write a scene in Star Wars 2d

SSP-27 write scene 1 1w

Sample Scrum Project / SSP-27

write scene 1

Estimate: 1w

Details

Status: TO DO

Component/s: None

Labels: None

Affects version/s: None

Fix Version/s: None

Epic: None

People

Reporter: Deborah Warren

Assignee: Unassigned

Dates

Created: 04/Jan/17 7:10 PM

Updated: 04/Jan/17 7:18 PM

Issue Links

Jan 17: Complete Sprint

+

Q

Test_10dollars
Software project

Backlog

Active sprints

Reports

Releases

Issues

TES board

Sample Sprint 2

Quick filters

Assignee

TO DO

IN PROGRESS

DONE

TES-10

IN PROGRESS

2 sub-tasks

As a developer, I can update story and task status with drag and drop (click the triangle at far left of this story to show sub-tasks)




Update task status by dragging and dropping from column to column >> Try dragging this task to "Done"


🕒 4 days remaining

Complete sprint


⋮

Reports:





Test_10dollars
Software project



Reports

AGILE

Burndown Chart

Sprint Report

Velocity Chart

Cumulative Flow Dia...

Version Report

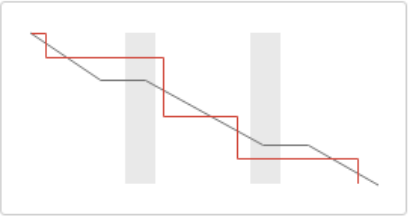
Epic Report

Control Chart

Epic Burndown

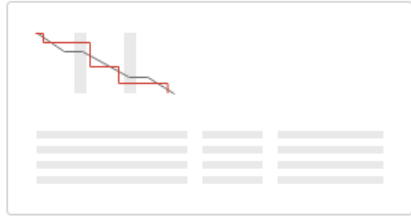
All reports

Agile



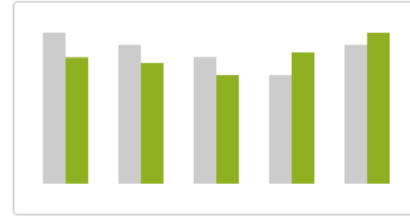
Burndown Chart

Track the total work remaining and project the likelihood of achieving the sprint goal. This helps your team manage its progress and respond accordingly.



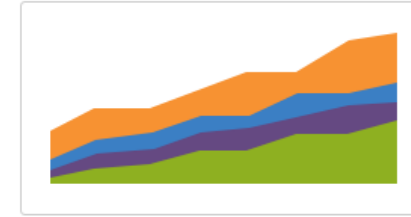
Sprint Report

Understand the work completed or pushed back to the backlog in each sprint. This helps you determine if your team is overcommitting or if there is excessive scope creep.



Velocity Chart

Track the amount of work completed from sprint to sprint. This helps you determine your team's velocity and estimate the work your team can realistically achieve in future sprints.



Cumulative Flow Diagram

Shows the statuses of issues over time. This helps you identify potential bottlenecks that need to be investigated.

Tue Jan 17: Each student?

- Show Ola your reports
- COSC 205 – this lab carries a weight of 4 marks

JIRA terminology

- Planning == backlog
- Story points == track effort not time
- Tracking == active sprints
- Issues == cards ... during an active sprint you drag the cards
- Deploying to production == releasing
- Reporting == reporting on how well your team is estimating tasks, work, etc.
- Retrospective == how well your team is working together.

Useful Resource

JIRA 101 Guide:

<https://confluence.atlassian.com/jira064/jira-101-720412861.html>

JIRA Videos



[What is JIRA by Simplilearn](#)

[JIRA Tutorial by Edureka!](#)

[JIRA Crash Course for Beginners](#)