

Atlassian

Jira and **Jira Agile** Training Course

Introduction

Main Concept

- Issue Tracking
 - Backlog
 - Time Tracking
 - Project Tracking
-
- Flexible platform tool for IT and business

Main Structures

- Category
- Project vs. Boards (Backlog)
- Issue
- Sub-tasks

Issues

Issues

- The core of JIRA
- Issue Key
- The less required fields is better
- The best is no required fields at all!

Issue Types

- Bug
- Story
- Epic
- Task
- Sub-task

Issue Fields

Version

- Road Map
- Release (with Bamboo)

Components

- Component Leaders

Labels

Links

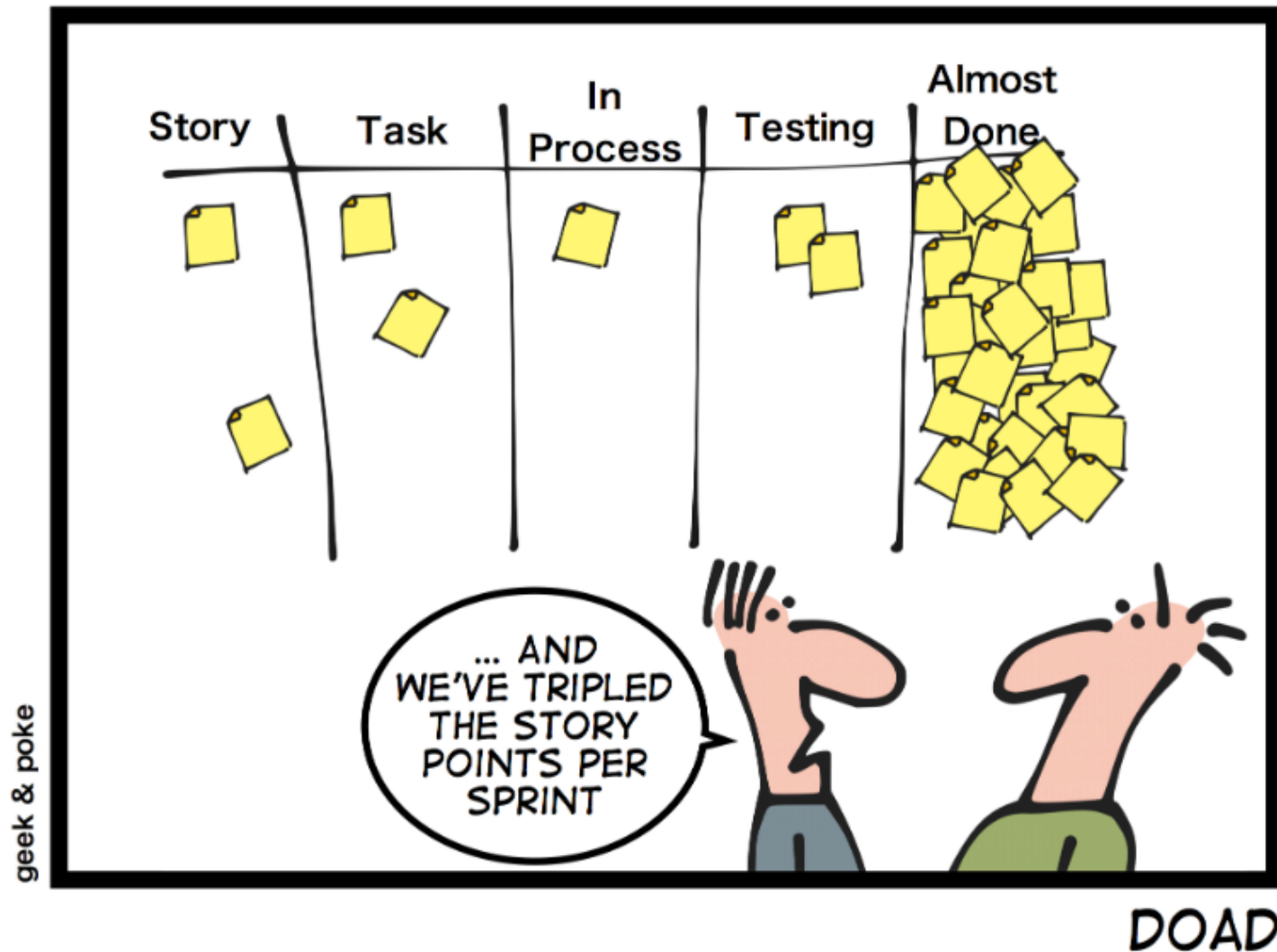
Custom Fields

Issue Actions

- Workflow Actions (Open, In Progress, Resolve, Close)
- Voting
- Watching
- Add Attachments
- Add Screenshots

Statuses

- To Do
- In progress
- Done
- Blocked
- In Test
- In Review



Definition of (almost) Done

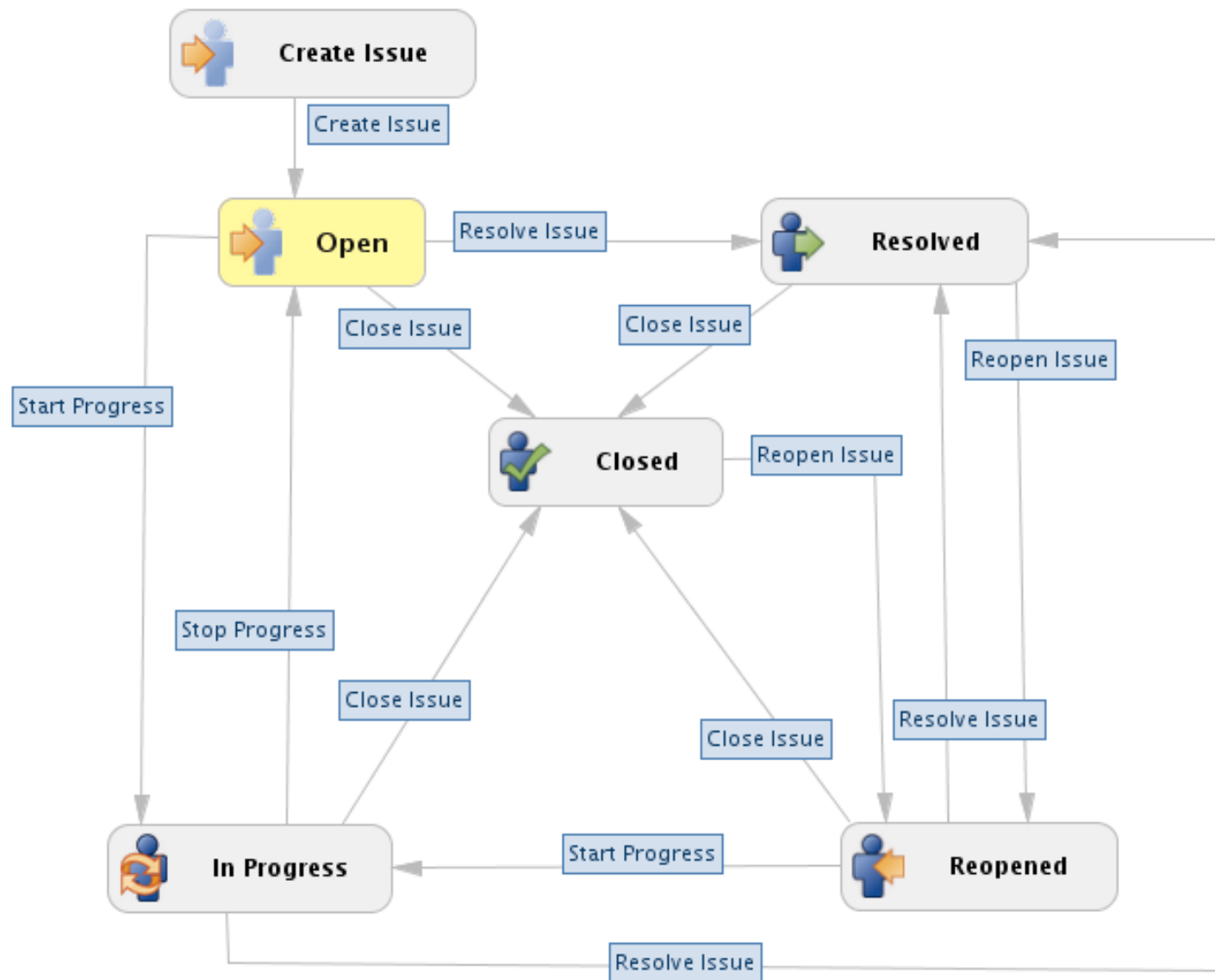
Resolution

- Fixed
- Won't Fix
- Duplicate
- Cannot Reproduce
- Incomplete

- (Jira Agile) -> Done

Workflows

- Directed Graphs
 - Complete Graph
 - Few vertices
 - Lot of edges
-
- Try simple, then add statuses
 - Keep transition from all statuses



Workflows

Simplified Workflows

Project and Categories

Categories

- Department
- Project - Product
- Team

Project Type	Department	Project	Team
Usage	Many Projects	One Project	Use Jira Agile Boards
Issue Types	<ul style="list-style-type: none">- Task- Sub-task	<ul style="list-style-type: none">- New Feature- Improvement- Task- Sub-task- Bug	<ul style="list-style-type: none">- Epic- Story- Technical Task

Project

- Belongs to a certain category
- Has one Project Lead
- Groups Issues
- Rules of Good Project Key

FAQ

How to create an issue?

How to clone an issue?

How to move an issue?

How to link an issue?

Assignee vs. Reporter

Closed vs Resolved vs Done

Project Roles

Priorities

- Trivial
- Minor
- Major
- Critical
- Blocker
- Must
- Should
- Could

affectsVersion
vs
fixVersion

How to report time?

- original time estimate
 - remaining time
 - log work

How to estimate?

Time
Story Point
Business Value

How to watch issue?

Keyboard shortcuts

Assigning Issues

- Assigning
- No Group Assign

JQL

Is used for searching issues

project = DEMO

project = DEMO

AND status = Open

project = DEMO

AND status **NOT IN** (Closed, Resolved)

project = DEMO

AND status **NOT IN** (Closed, Resolved)

AND assignee = **currentUser()**

project = DEMO

AND status **NOT IN** (Closed, Resolved)

AND assignee **IN membersOf**("jira-developers")

project = DEMO

AND status **NOT IN** (Closed, Resolved)

AND assignee = **currentUser()**

ORDER BY priority **DESC**, key **ASC**

project = DEMO

AND status **WAS** Reopen

project = DEMO

AND status **WAS** Reopened

AND updated > -1d

project = DEMO

AND Sprint **IS NOT EMPTY**

AND assignee = **currentUser()**

AND status **NOT IN** (Closed, Resolved)

ORDER BY priority, key

Jira **Agile**

Boards

- Plan
- Work
- Report

Scrum and Kanban

- Scrum
- Kanban
- Board based on multiple projects
- Board based on custom JQL Query

Good Practise

- One project
- Two boards
 - Scrum -> Development
 - Kanban -> Bugfixing and Maintenance
- Use JQL to limit Kanban board to Bugs and Tasks
- Use JQL to limit Scrum board to Other Issue Types
- (dot) . Keyboard shortcut - very useful

Plan

- Epic
- Versions
- Backlog

- Customization

Customization

- Quick Filters
- Quick Search
- Card Colors
- Swimlines
- Columns
 - You can assign more than one status in single column

Backlog

- Priority
- Story Points
- Time Tracking
- Epics

Work

- Start Sprint
- Close Sprint
- Manage Issues in Sprint
- Scope Changes
- Good Practises
- Auto Assign
- Jira Agile Simplified Workflow
- Columns
- Descriptive Title
- Acceptance Criteria

Jira Agile Reports

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

Administration

The most useful thing out there...

gg keyboard shortcut

Project Configuration

- Issue Type Scheme
- Workflow Scheme
- Screen Scheme
- Field Configuration Schemes
- Permission Scheme
- Notification Scheme

Project Configuration

- Versions
- Components
- Roles
- Project Mappings
- Application Links

Issue Collector

Bulk Edit

Import / Export CSV

jira.issue.editable = true

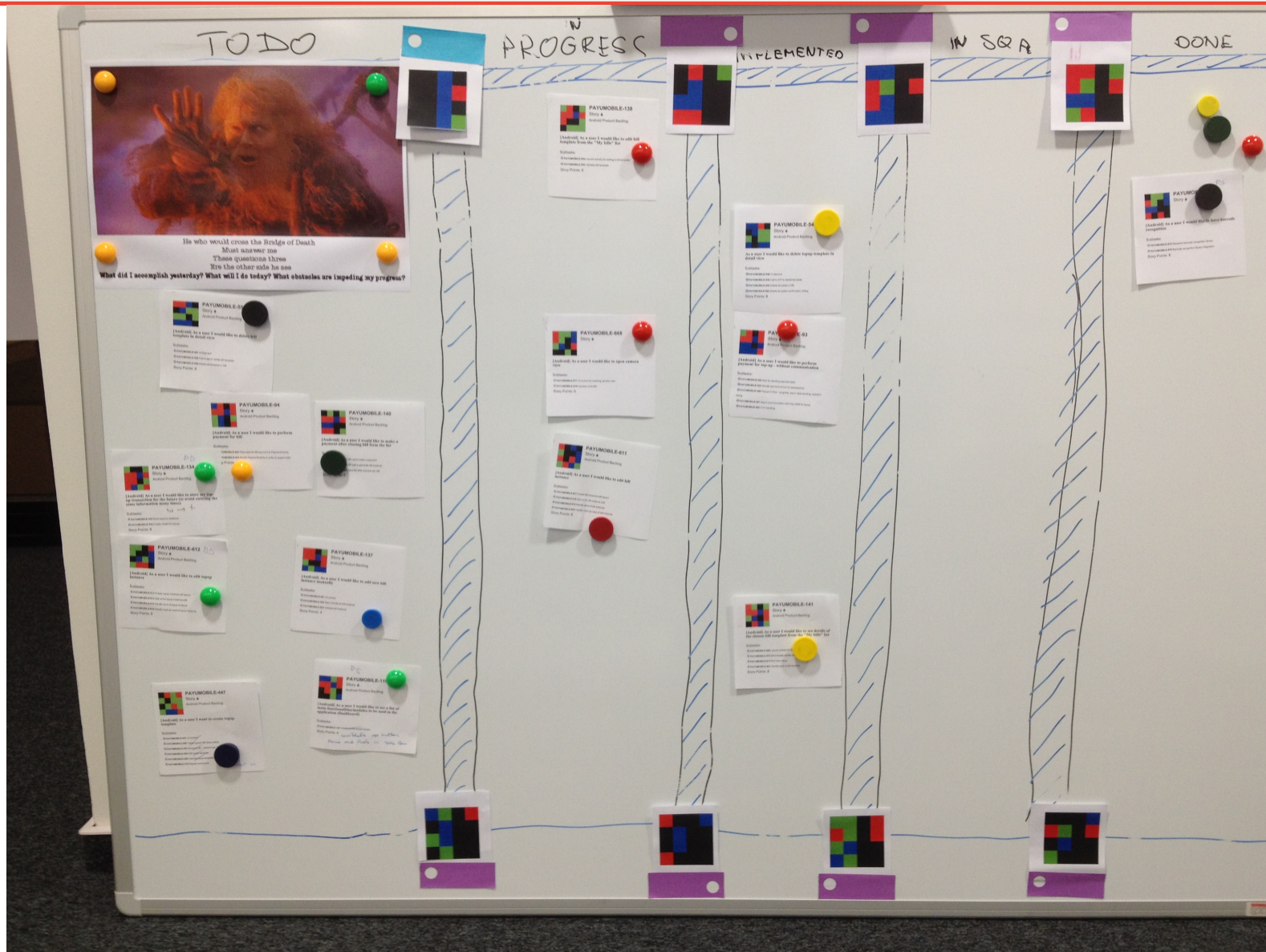
Gadgets

Dashboard

- Filter Result
- Issue Statistics
- Average Age Chart
- Resolution Time

Dashboard, Wallboards

- Tables
- Graphs
- Piecharts
- Jira Agile reports



Jira Agile Cards

Managers

- Pie Chart
- Lots of green
- Tiny red



You get what you measure

Developer

API

- REST
- ~~SOAP (deprecated)~~
- ~~XML RPC~~
- ~~XML RSS~~

Atlassian CLI

- <https://bobsswift.atlassian.net/wiki/display/CSOAP/Examples>
- <https://bobsswift.atlassian.net/wiki/display/JCLI/Examples>
- <https://bobsswift.atlassian.net/wiki/display/BCLI/Examples>
- <https://bobsswift.atlassian.net/wiki/display/FCLI/Examples>
- <https://bobsswift.atlassian.net/wiki/display/crucli/Examples>

IDE Connectors

- Atlassian Connector for IntelliJ
- Atlassian Connector for Eclipse
- NetBeans (Kenai)

Conclusion

Stay Up-to-date

- Share issue
- Notifications
- Mentions
- RSS
- Mobile Clients

Future

- UX / UI
- Automation
- Project end date from burndown chart
- Code Quality metrics on dashboard
- Mobile

Good Practices

- Simplicity is the Ultimate Sophistication
 - Less is better
 - KISS: Keep it Simple, Stupid
 - DTSTTCPW: do the simplest thing that could possibly work
- Do not Overengineer
- YAGNI: You aren't gonna need it

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