



# GIT Level 1

Centralized Workflow



# GIT 101

- git-clone
- git-pull
- git-status
- git-add, git-rm
- git-commit
- git-push

# Centralized Workflow

- One “main” repository
- One “master” branch
- git-branch
- git-checkout
- Pull-before-push policy

# Quick Activity

- Sign up for a GitHub account
- `git clone https://github.com/Salamangkero/prosdev-basic-server.git`
- `javac *.java && java BasicServer`



# REST Level 1

GET and HEAD

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# HTML

- ◉ Hypertext Markup **Language**
- ◉ Extensible Markup Language (XML)
- ◉ Javascript Object Notation (JSON)

# HTTP

- ◉ Hypertext Transfer **Protocol**
- ◉ Simple Object Access Protocol (SOAP)
- ◉ Transmission Control Protocol (TCP)

# HTTP Request

- <METHOD> <URI> HTTP/1.1
- <Header-Key>: <Header-Value>
- Content-Length: 0
- [HTTP Request Body]



# HTTP Response

- HTTP/1.1 <Status Code>
- <Header-Key>: <Header-Value>
- Content-Length: <Length>
- [HTTP Response Body]



# See it in action!

```
curl -v http://ip.jsontest.com
```

```
curl -v http://localhost:8765
```

# See it in action!

```
telnet ip.jsontest.com 80
```

```
GET / HTTP/1.1
```

```
Host: ip.jsontest.com
```

```
Content-Length: 0
```

# See it in action!

```
telnet localhost 80
```

```
GET / HTTP/1.1
```

```
Host: localhost
```

```
Content-Length: 0
```



# SCRUM

## Level 1

Sprint Planning



# Scrum != Agile

- The Agile Manifesto does not provide concrete steps.
- Organizations, however, look for something more specific.
- Aside from Scrum there's also XP, Kanban, FDD, TDD and others.

# Principles of Scrum

- Decision-making based on real-world data instead of speculation.
- Development time is divided into short intervals called sprints.
- The product is ALWAYS in a stable and potentially shippable state.
- Focus on open communication reduces need for coordinator / overseer roles.

# Scrum Roles

- **Product Owner**

Manages the product, not the team

- **Scrum Master**

Does not manage the team; support role

- **Team**

Self-managing; ideally composed of cross-functional members but usually made up of members with varying strengths



# Scrum Meetings

- Sprint Planning
- Daily Scrum / Stand-Ups
- Sprint Review
- Sprint Retrospective
- Backlog Refinement

# Sprint Planning

- Product Owner identifies important items.
- Teams commit which items they can deliver at the end of the sprint.
- What are these items anyway?

# JIRA Dashboard

**Introduction**

Welcome to JIRA for BBS-S&T!

**A new version has been rolled out.**

For documentation about the workflow in JIRA and more please have a look at the following links.

- JIRA Workflow
- JIRA CreateUser template

Description of new and changed functions of JIRA version 2010-09 can be found in the [Release Notes](#). The JIRA Workflow slides (see above) have also been updated.

**Projects**

**BBS-ITO-BDC-S&T**

Systems Management for BBS-S&T-IC (SSTIC)

**BBS-S&T**

F&E Knime (KNIME)

F&E Metastruktursuche (MSS)

JIRA Support (JIRA)

S&T Eclipse (ECLIPSE)

Subversion (SVN)

Symyx Support (SYMSPT)

**BBS-S&T-IC**

Accounting (ACC)

BMS Portal-Integration (BMSINTEGRATION)

Feedback (FEEDBACK)

**Favorite Filters**

Accounting Unresolved	27
ICS Patent Plus - Version 3.0	113
In Analysis	734
In Implementation	275
Released	115

Create Filter | Manage Filters

**Quick Links**

My Unresolved Reported Issues | Watches

Browse Projects | Search for Issues | Create Issue

**Assigned to Me**

T	Key	Summary	P
	UM-404	Maßnahmen für ein QA-System evaluieren	
	LOGIN-37	Login mit gültiger Session führt zum Relogin und renew Ticket	
	ICDEV-304	Disclaimer acceptance for IC-applications	
	ICDEV-374	Neue Java und Tomcat Versionen testen	
	CDROM-69	Erstellung der Abfrage für eine monatliche Liste mit registrierten Bayer CD-ROM - Userdaten, die seit 6 Monaten nicht mehr genutzt haben -> Erweitert um automatische Umsetzung	
	CONTRACT-49	Move WsContract to WsUM as UserData-source	
	LOGIN-40	Möglichkeit zum Einstellen/Aktivieren einer deutlichen Nutzerinformation	
	LOGIN-41	Fehler mit Weiterleitung zur gewünschten Applikation bei Verwendung von mehreren Fenstern	
	ICDEV-413	Vorgehen für Updates von JDK und Tomcat	
	ACC-53	Neuer Eintrag ins BDSG-Register	

Displaying issues 1 to 10 of 60 matching issues. 1 2 3 4 5 6

# JIRA Ticket



Datahub / DH-1

## Conditional formatting not applied with invalid range order



Edit



Comment

Assign

More ▾

Start Progress

Resolve Issue

Close Issue



Export ▾

### Details

Type:	Bug	Status:	<b>OPEN</b> (View Workflow)
Priority:	Major	Resolution:	Unresolved
Affects Version/s:	None	Fix Version/s:	None
Component/s:	User Interface		
Labels:	None		

### Description

The conditional formatting option doesn't work as expected if a larger value is entered for the 'lower range' option than the entered value for the 'higher range' option. The application doesn't apply the conditional formatting correctly in this case, as only values above the 'higher range' option are considered. Please see the attached screenshots that illustrate the problem.

### TestRail: Results

Tuesday, August 04, 2015

T680	Verify conditional formatting range for entered values	<b>FAILED</b>	▸
T669	Update value range for conditional formatting	<b>BLOCKED</b>	▸

### People

Assignee:

Dennis Gurock

Reporter:

Dennis Gurock

Votes:

0

Watchers:

[Start watching this issue](#)

### TestRail: Cases

C4049 [Verify conditional formatting range for entered values](#)

Project: Demo

C4033 [Update value range for conditional formatting](#)

# Unfuddle Dashboard

Overview

Messages

Milestones

Tickets

Notebooks

Repositories

People

Settings

Search:

1. Active Tickets

15 Tickets

[New Ticket](#) [New Report](#)

Select: [All](#), [None](#), [Reverse](#)

[Report Options](#) [Refresh](#)

Highest

1 Tickets

	Summary	Priority	Component	Milestone	Assignee	Status ↑
<input type="checkbox"/>	Map Coordinates from Main Page	Highest	Functionality	Begin Beta Test	Ryan O.	Resolved

High

5 Tickets

	Summary	Priority	Component	Milestone	Assignee	Status ↑
<input type="checkbox"/>	Improve Smiley/Icon Display	High	Functionality	Begin Beta Test	Vandna	Reassigned
<input type="checkbox"/>	Fix Pop-Up "Map It" Display	High	Functionality	Begin Beta Test	Vandna	Reassigned
<input type="checkbox"/>	Link Tags on Plate Detail and Zap Detail	High	Functionality	Begin Beta Test	Ryan O.	Resolved
<input type="checkbox"/>	Fix "Zap Detail" Map	High	Functionality	Begin Beta Test	Ryan O.	Resolved
<input type="checkbox"/>	Modify Plate Number Format	High	Functionality	Begin Beta Test	Ryan O.	Resolved

Normal

8 Tickets

Ticket Status

Select a milestone...

Entire Project

Closed Tickets: 0 0% Active Tickets: 15

Ticket Reports

[1. Active Tickets](#)

[2. Resolved Tickets \(to be verified\)](#)

[3. Closed Tickets](#)

[4. My Active Tickets](#)

[5. My Tickets to Verify](#)

[6. My Closed Tickets](#)

[New Report...](#)

Want to track your time spent on each ticket? [Upgrade your account](#) to get this feature and

# Unfuddle Ticket

## Ticket #17

◆ 1. Active Tickets ◆

[New Ticket](#)

### Testing Unfuddle integration

## #17

<b>Priority:</b>	High	<b>Reporter:</b>	test@bugdigger.com
<b>Severity:</b>	<none>	<b>Assigned To:</b>	test@bugdigger.com
<b>Component:</b>	some component	<b>Milestone:</b>	<a href="#">Milestone 1</a>
<b>Version:</b>	v 2.0	<b>Due On:</b>	<none>

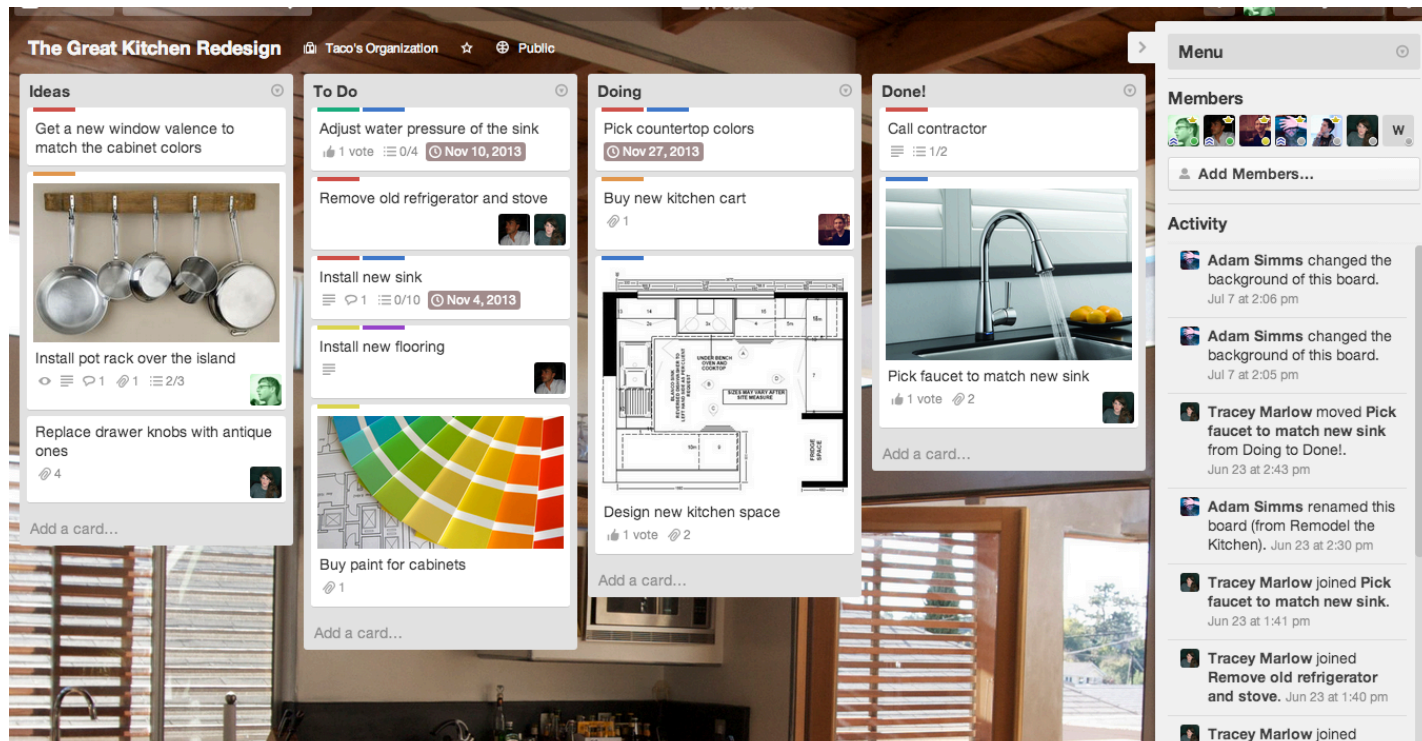
[Edit Ticket](#)  
[Make a Comment](#)  
[Accept Ticket](#)  
[Resolve Ticket](#)  
[Delete Ticket](#)



This is my bug description...

Web Page: [http://www.google.com/#hl=en&sugexp=pfwc&cp=11&gs\\_id=12&xhr=t&q=bug+reporting...](http://www.google.com/#hl=en&sugexp=pfwc&cp=11&gs_id=12&xhr=t&q=bug+reporting...)  
User Browser: Chrome 14

# Trello (Pretty)



# Trello (Mundane)

The screenshot displays the Trello web interface for a board named "Trello Development" under the organization "Fog Creek Software". The top navigation bar includes the Trello logo, a search icon, a user profile icon, a notification bell, and a "Boards" button. The board is organized into five columns: "Ideas", "Known Issues", "Next Up", "In Progress", and "Testin".

- Ideas Column:** Contains five cards with titles like "What can you expect from this board?", "Let me pay you for Trello!", "Time Tracking", "Move or copy a list to another board", and "Sorting a list by vote, date, label, alphabetically, etc.". Each card shows the number of votes and comments.
- Known Issues Column:** Contains four cards with titles like "Notifications count down when marking as read", "Filters don't auto-update when a card goes from non-matching to matching.", "Clicking a link in a popup notification opens the link in the popup.", and "Notifications not generated for certain card actions".
- Next Up Column:** Contains four cards with titles like "Copy or Template Boards, Cards, and Checklists", "Board and List Subscribe", "Mongoose performance issue", and "Attachment Previewer".
- In Progress Column:** Contains three cards with titles like "Android App", "Summary or Overview of All My Cards", and "Re-enable UI for searching card comments".
- Testin Column:** Currently empty.

On the right side of the board, there is a "Members" section showing a grid of member avatars, a "Board" section with "Options" and "Search and Filter Cards", and an "Activity" section showing recent updates by members like Ben D. Sawyer and Tianshuo Hu.





# Quiz

It's an essay... sorta. You have 10 minutes, more or less.

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# Building a Web Server

- I want a www directory.
- I want the server to be able to render whatever HTML file I put in there.
- On second thought, I also want it to support CSS, JS and TXT files.

# Building a Web Server

- You know how Apache lists the files if index.html is not present? I want that. An unordered list `<ul>` of hyperlinks `<a>` would be enough.
- Naturally, if the user asks for a file that does not exist, I want the server to respond with 404 Not Found



# Intermission

Who wants to entertain us?





# Building a Team

No man is an island.



# Setting up Shop: Trello

- Whitespace for dramatic effect.

# Setting up Shop: Git

- `git clone https://github.com/Salamangkero/prosdev-basic-server.git`
- `git checkout <team-name>/master`
- `git pull origin master`

# Sprint Planning

- More dramatic whitespace.
- You have 15 minutes, btw.