

Narzędzia programistyczne - support systems

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Agenda

- Zintegrowane środowisko programistyczne
- Systemy kontroli wersji
- **Narzędzia wspomagające wytwarzanie aplikacji**
- Narzędzia ciągłej integracji

Issue Tracking

Issue Tracking

System przypisujący kolejnym zgłoszeniom interesariuszy **tickety**, które pozwalają śledzić cały proces od zgłoszenia po rozwiązanie danego tematu.

Przykłady

Issue Tracking

The screenshot displays the Redmine issue tracking system interface. At the top, there is a navigation bar with the Redmine logo and a search bar. Below the navigation bar, there are tabs for 'Zagadnienia' (Issues) and 'Zadania' (Tasks). The main content area shows a list of issues with the following columns: ID, Status, Priority, Subject, and Assigned To. The issues are listed in a table format, with each row representing a specific issue. The status of each issue is indicated by a colored icon (e.g., green for 'Done', orange for 'New', red for 'Closed'). The priority is indicated by a number (e.g., 1, 2, 3). The subject column contains a brief description of the issue. The assigned to column shows the name of the user assigned to the issue. On the right side of the interface, there is a sidebar with a search bar and a list of filters for the issues.

ID	Status	Priority	Subject	Assigned To
1001	Done	1	Example issue	John Doe
1002	New	2	Another issue	Jane Smith
1003	Closed	3	Issue resolved	John Doe
1004	New	1	Issue with priority	Jane Smith
1005	Done	2	Issue completed	John Doe
1006	New	3	Issue with high priority	Jane Smith
1007	Closed	1	Issue resolved	John Doe
1008	New	2	Issue with priority	Jane Smith
1009	Done	1	Issue completed	John Doe
1010	New	3	Issue with high priority	Jane Smith
1011	Closed	2	Issue resolved	John Doe
1012	New	1	Issue with priority	Jane Smith
1013	Done	2	Issue completed	John Doe
1014	New	3	Issue with high priority	Jane Smith
1015	Closed	1	Issue resolved	John Doe
1016	New	2	Issue with priority	Jane Smith
1017	Done	1	Issue completed	John Doe
1018	New	3	Issue with high priority	Jane Smith
1019	Closed	2	Issue resolved	John Doe
1020	New	1	Issue with priority	Jane Smith

YouTrack

The screenshot displays the YouTrack web application interface. At the top, there is a navigation bar with tabs for "Issues", "Dashboard", "Agile Backlog", "Reports", and "Projects". A "Create Issue" button is visible on the right. Below the navigation bar, a search bar contains the text "For: no #commented #Critical by: Sam Jones or". A dropdown menu is open, showing various search filters such as "open block", "search phrase", "filter by value", "exclude value", "by tag", "by updated", "by creator", "by commented", "by created", "by resolved date", "by project", "by reporter", "by issue id", and "by Depend".

The main content area shows a list of issues. The first issue is "MS-00: Sort Data Results". Other issues include "MS-7: Manage Contacts", "MS-88: Leads management", "MS-105: Create a welcome email", "MS-84: List Sorting", "MS-8: Track Communication History", "MS-10: Keep Emails as Attachments", "MS-10: Basic Contacts Management", "MS-87: Group the users", "MS-28: Report sales", "MS-1: Create Preferred Customer", "MS-8: Get Customer Location", "MS-3: Check customer's balance and change the status", "MS-24: Implement Business Logic", "MS-01: I have a problem with my locale", "MS-2: Design UI", and "MS-4: Set Preferred Customer Discount".

On the left side, there are sections for "PROJECTS" (Customer Support System, Help Desk, Helpdesk Management, Music Sharing, Playground, SMD System) and "TAGS" (Star, For demo, For release, For testing, Important). Below these are "SAVED SEARCHES" including "JIMMY's Backlog", "S-Y's Backlog", "Documented by me", "Features Board (JIMMY)", "Music Sharing (MS)", "Music Sharing Backlog", "PlaygroundManages Scr...", "System DataManages Scr...", "SMD SystemManages Scr...", and "Sprint1 (GANNIT) Backlog".

Mantis

The screenshot displays the MantisBT web interface. At the top, the header shows 'MantisBT' on the left and user information 'user@domain' on the right. Below the header, there is a navigation bar with 'MantisBT' and 'MantisBT' buttons. The main content area is divided into two columns. The left column contains a list of issues, and the right column contains a timeline of activity.

Issues List:

- Issue 0001983:** Title: Cannot see the existing layout for TM. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0001989:** Title: Provide Markdown syntax help. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0001997:** Title: Local history does not show the other basic address in view issue page. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0001992:** Title: Markdown provide option to view raw text. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0001998:** Title: Markdown issues following implementation in 0017026. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002000:** Title: Adjust styling for line-tracing report filter. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002012:** Title: Unable to edit "Target" field. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002084:** Title: Cannot insert custom field from sortable custom field. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002087:** Title: In testing, some files are not visible in the code. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002084:** Title: APPROVAL: While editing, a new tab is opened in a different page. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002087:** Title: No email following an commit. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002029:** Title: A necessary field "Category" was empty. Please refresh your browser. Status: Closed. Created: 2017-01-21 16:23.
- Issue 0002016:** Title: Issue not in the queue, being reviewed not correct. Status: Closed. Created: 2017-01-21 16:23.

Timeline:

- 2017-01-21 16:23: user@domain created issue 0001983.
- 2017-01-21 16:23: user@domain created issue 0001989.
- 2017-01-21 16:23: user@domain created issue 0001997.
- 2017-01-21 16:23: user@domain created issue 0001992.
- 2017-01-21 16:23: user@domain created issue 0001998.
- 2017-01-21 16:23: user@domain created issue 0002000.
- 2017-01-21 16:23: user@domain created issue 0002012.
- 2017-01-21 16:23: user@domain created issue 0002084.
- 2017-01-21 16:23: user@domain created issue 0002087.
- 2017-01-21 16:23: user@domain created issue 0002084.
- 2017-01-21 16:23: user@domain created issue 0002087.
- 2017-01-21 16:23: user@domain created issue 0002029.
- 2017-01-21 16:23: user@domain created issue 0002016.
- 2017-01-21 16:23: user@domain created issue 0001983.

JIRA

The screenshot displays the JIRA web interface. At the top, there is a navigation bar with the JIRA logo, 'Dashboards', 'Projects', 'Issues', and 'Captures'. A search bar is located on the right side of the top bar. Below the navigation bar, the main content area is divided into several sections:

- Filters:** A sidebar on the left contains a 'New filter' button and a list of filters including 'My open issues', 'Reported by me', 'All issues', 'Open issues', 'Done issues', 'Viewed recently', 'Created recently', 'Resolved recently', and 'Updated recently'. Below these is a 'TRANSFILTERS' section with a note: 'You may not expect it to view favorite filters.'
- Search Results:** The main area shows search results for 'Project: All', 'Type: All', 'Status: All', and 'Assignee: All'. The results are ordered by 'Relevance'. The top result is a bug report with ID 'IRMS-2331' titled 'JIRA gadget title showing question marks (??) after translating to Chinese Language Pack'. Other results include 'IRMS-2320' (Accepted translation not reflected in the l...), 'IRMS-2315' (Need to format blocks of source-code or X...), 'IRMS-2309' (The Dashboard name is not translated to Ch...), 'IRMS-2292' (Please provide support for translations for AI...), 'IRMS-2281' (Original messages shared across "Service D...'), 'IRMS-2280' (Language packs should be JIRA Dev-Cent...), and 'IRMS-2251' (Components page is empty with IFT 1.0).
- Issue Details:** The selected issue 'IRMS-2331' is displayed in detail. It is a 'Bug' with a status of 'Open (View Workflow)', priority of 'Low', and resolution of 'Unresolved'. The description states: 'Gadget titles and calendar events are displayed as question marks (??) after setting language to Chinese (中文 (中国))'. The 'People' section shows the assignee as 'Unassigned' and the reporter as 'Chunshu Bai, Chung Park Chen... (6)'. The issue was created on '08/Dec/2016 1:00 AM'.

GitLab

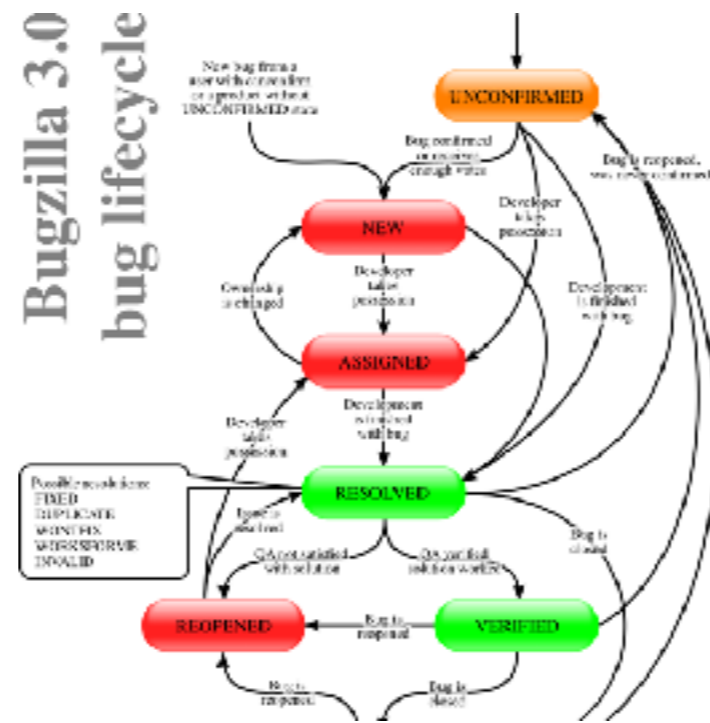
The screenshot shows the GitLab web interface for the 'GitLab.org/GitLab Community Edition' project. The top navigation bar includes links for Project, Activity, Repository, Pipelines, Graphs, Issues (3,228), Merge Requests (88), and Support. Below this, there are tabs for Issues, Board, Labels, and Milestones. The main content area displays a list of issues under the 'Open' filter. The list includes filters for Author, Assignee, Milestone, Labels, and Weight, along with a 'Last created' dropdown. The issues listed are:

- Make hover/focus/active states consistent for dropdowns**
#24138 - opened 14 minutes ago by Chris Perreault @ 8.14 **10** updated 12 minutes ago
- Better hover/focus states for navigation bar buttons**
#24143 - opened 20 minutes ago by Chris Perreault @ 8.14 **10** updated 12 minutes ago
- Reducing bright when updating on home page doesn't jump on loading**
#24148 - opened 21 minutes ago by Nigel Floyd (GitLab) **opened** updated 21 minutes ago
- Delete environments**
#24147 - opened 28 minutes ago by Dave updated 29 minutes ago
- Add blue border to buttons on focus**
#24146 - opened 41 minutes ago by Chris Perreault @ 8.14 **Fixed** updated 12 minutes ago
- Make hover/focus/active states more noticeable for buttons**
#24145 - opened about an hour ago by Chris Perreault @ 8.14 **10** updated 12 minutes ago
- Make sure all buttons are dark on focus**
#24144 - opened about 2 hrs. ago by Chris Perreault @ 8.14 **opened 10** updated 12 minutes ago
- Masked CI session variables across all projects** updated 12 minutes ago

Elementy systemów

- lista zadań + szczegóły
- workflow procesu
- komentarze
- uprawnienia
- priorytety
- wyszukiwarka
- powiązania

Przykładowy workflow



Board

Scrum Board

Scrum Board

🕒 7 days remaining [Complete Sprint](#)

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

2 To Do

3 In Progress

1 Code Review

1 Done

<div><p>TIG-61 A Wikipedia filter what on main title - should use date</p><p>Large Team Support 4</p></div>	<div><p>TIG-48 A Find nearest nearby MarsOffice</p><p>Local Mars Office 5</p></div>	<div><p>TIG-29 A Just a string asynchronous to TextUI</p><p>Large Team Support 1</p></div>	<div><p>TIG-8 A Playwriting evaluation figure is now taking ~ 2 seconds</p><p>Large Team Support 5</p></div>
<div><p>TIG-16 A Establish relationship with local office supports topology</p><p>Local Mars Office 9</p></div>	<div><p>TIG-17 A Engage Saturn's Rings Resort as a preferred provider</p><p>Space Travel Partners 7</p></div>	<div><p>TIG-37 A Developer Toolbox does not display by default</p><p>Large Team Support 5</p></div>	<div><p>TIG-65 A Add pointer to main can file to restrict user to create child themes</p><p>Large Team Support 4</p></div>
	<div><p>TIG-30 A Create Saturn Summer Sale logo</p><p>Summer Saturn Sale 1</p></div>		<div><p>TIG-46 A Embed non registered users to sign up with "Sign in Space"</p><p>Summer Saturn Sale 1</p></div>
	<div><p>TIG-23 A Engage JetStream SpaceWayt for short distance space travel</p><p>Local Mars Office 1</p></div>		

Kanban Board

Kanban Board

112 To Do

6 In Progress

4 Done

Expedite

TIS-12
Create 90 day plans for all departments in the Mars Office
Local Mars Office

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

TIS-72
Add video chat interface

Everything Else

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

TIS-10
Draft network plan for Mars Office
Local Mars Office

TIS-65
Book now button is disabled

TIS-20
Engage Saturn Shuttle Lines for group four
Space Travel Partners

TIS-68
Homepage footer uses an inline style - should use a class
Local Mars Office

TIS-40
Email non-registered users to sign up with Teams in Space
Space Travel Partners

GitLab

The screenshot displays the GitLab web interface for the 'GitLab Community Edition' project. The top navigation bar includes links for Project, Activity, Repository, Pipelines, Graphs, Issues (3,235), Merge Requests (88), and Snippets. Below this, there are filters for Assignee, Milestone, and Labels, along with a search bar and a 'Create new list' button.

The main content area is titled 'Development' and features a Kanban board with four columns: Backlog, UX, Frontend, and Platform. Each column contains a list of issues with their titles, IDs, and status labels.

Column	Issue ID	Issue Title	Labels
Backlog	#22045	8.13 RC2 greatly increases the load activity for Projects - select or click to show	Discussion, Performance, regression
	#22039	Web UI commit submission navigates to the wrong MR afterwards	regression, reproduced on GitLab.com
	#22002	GitLab UI: basic referencing issues from other groups in commit messages	Discussion, bug, regression
	#22000	Pipeline with skipped manual actions shows as successful passed	bug, regression
UX	#22000	Why don't images in comments flow with the words?	bug, issues, regression
	#22048	Navigation over items on mobile	bug, regression
	#22047	"Remove source branch" checkbox should not be available for MR unless source project is a fork	Discussion, bug, merge requests, reproduced on GitLab.com
	#22714	Clicking notification doesn't update all results	Discussion, bug, customer, not reproducible
Frontend	#22001	Can't share project with groups	bug, dev, feedback, regression
	#22720	Page scrolls to wrong position when following comment anchor	bug, regression
	#22036	Checkbox on sign in form is wrong	regression
	#22006	Highlighting lines is broken	bug, QA, regression
Platform	#22520	MR sticky tabs overlap discussion from another	regression
	#22006	UI interface style change in Issue Creation Screen	

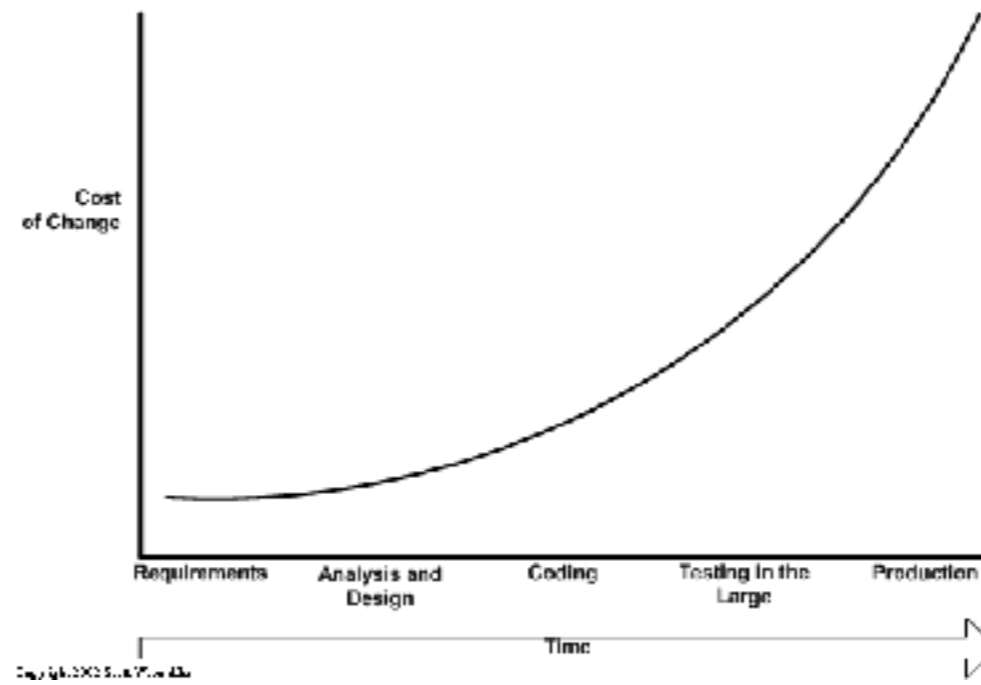
WIKI

Po co ?

- dokumentacja
- notatki ze spotkań
- baza wiedzy
- How-to
- Rozwiązania problemów

Code Review

Po co ?



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Dobre rady

- bądź przyjazny
- chwal za dobre rozwiązania
- formalne rzeczy staraj się zautomatyzować w projekcie
- nie twórz wyścigu szczurów do liczby defektów
- kod poprawia tylko ten który go wytworzył

Narzędzia

- dedykowane
- podczas merge requestów

crucible

Crucible

CR-FE-8851 (100)

Objective
General Comments
Number of files included: 28
PC-gt

File tree:
- bundled-plugins/bundled/crucible-branch-review
 - src
 - java/com/atlassian/crucible/plugins/branch-review
 - main
 - java/com/atlassian/crucible/plugins/branch-review
 - src
 - main
 - BranchReviewInfoAC.java
 - BranchReviewInfo.java
 - BranchReviewStore.java
 - test
 - BranchReviewRestResource.java
 - TrackedBranchRest.java
 - TrackedBranchRestBuilder.java
 - trackedbranch
 - impl
 - DefaultTrackedBranchesManager.java
 - TrackedBranchJson.java
 - TrackedBranchRestBuilder.java
 - TrackedBranch.java
 - TrackedBranchBuilder.java
 - TrackedBranchesManager.java
 - TrackedBranchesSearchCriteria.java
 - BranchReviewService.java
 - resources

Code editor:
/src/.../TrackedBranchesSearchCriteria.java (K88K)
withFile
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Discussion:
Piotr Swiecicki
providing null/empty reviewPermaid results in criteria matching all reviews, I'd rather expect precondition failure in such circumstances
Add to issues · Create issue · 27 Aug 14

Cezary Zawadka
Null is ok as we search for all tracked branches regardless review - auto update feature
However non null permaid means we should return empty list if there is no review with the permaid - changed to be handled at ReviewPropertiesManager level
Create issue · 29 Aug 14

Piotr Swiecicki
fix for reviewPermaid properly, but if client calls withReview method to build criteria, it assume he wanted to filter by particular permaid and was not expecting to pass null.
Create issue · 29 Aug 14

Cezary Zawadka
My mistake - for withReview() precondition makes sense
Create issue · 29 Aug 14

Merge request

Make left/top auto value consistent across browsers #1241

[Open](#) yimingjie wants to merge 8 commits into `jquery:master` from `yimingjie:bug_13161`

Conversation (2)

Commits (8)

Files changed (3)

401 -6

Showing 3 changed files with 27 additions and 5 deletions

Unified Split

```
13 jquery.js View
```

```
@@ -506,0 +506,14 @@ jQuery(function() {
506 506   jQuery.cssHooks[ prop ] = {
507 507     get: function( elem, computed ) {
508 508       if ( computed ) {
509 -       computed = curCSS( elem, prop );
510 -       // if curCSS returns percentage, fallback to offset
511 -       return rnumnonpx.test( computed ) ?
512 +       var isAutoPosition,
513 +         elStyles = getStyles( elem ),
514 +         position = curCSS( elem, "position", elStyles );
515 +       computed = curCSS( elem, prop, elStyles );
516 +       isAutoPosition = computed === "auto";
517 +       if ( isAutoPosition && position === "relative" ) {
518 +         return "3px";
519 +       }
520 +       // if curCSS returns percentage or auto, fallback to offset
521 -       return isAutoPosition && position !== "static" || rnumnonpx.test( computed ) ?
522 522         jQuery( elem ).position()[ prop ] + "px" :
523 523         computed;
524 524     }
525 525   }
```


Bibliografia

- gitlab.com
- atlassian.com
- github.com

Dziękuję