ECE453/SE465/CS447/ECE653/CS647: Better Bug Reports



Lin Tan

March 11, 2015

Goals of Reporting Bugs

- Get the bugs fixed!
- Get the bugs fixed faster!
- For better software!

Bug 109242 - GUI

Status: VERIFIED INVALID

Whiteboard:

Keywords:

Product: SeaMonkey

Component: General

Version: Trunk

Platform: x86 Windows NT

Importance: -- normal (vote)

Target Milestone: ---

Assigned To: Asa Dotzler [:asa]

QA Contact: Doron Rosenberg (IBM)

URL: http://www.relg.com/

Duplicates: 109246 (view as bug list)

Depends on: Blocks:

Show dependency tree / graph

Attachments

Title page of http://www.relq.com/ (13.38 KB, text/html) no flags Details 2001-11-09 00:12 PST, Adam Hauner

Add an attachment (proposed patch, testcase, etc.)

View All

Summon comment box

unita 2001-11-08 20:16:05 PST

Description

The page is too clumsy

Software Testing

Instructor: Lin Tan

Reported: 2001-11-08 20:

Modified: 2005-11-22 15:

CC List: 2 users (show)

See Also:

Crash Signature:

Bug 528120 - Firefox freezes on Applications Tab

Midna 2009-11-11 19:29:34 PST

Description

User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2b2)
Gecko/20091108 Firefox/3.6b2
Build Identifier: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2b2)
Gecko/20091108 Firefox/3.6b2

Every time I click the Applications Tab, the options (and Firefox too, I think)

Every time I click the Applications Tab, the options (and Firefox too, I think) freezes for at least a few seconds and I can't click anywhere.

Reproducible: Always

Ria Klaassen (not reading all bugmail) 2009-11-12 00:36:54 PST

Comment 1

Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.2b3pre) Gecko/20091110 Namoroka/3.6b3pre

This works fine for me.

Can you retest this in safe-mode / with a new profile?

http://support.mozilla.com/en-US/kb/Safe+Mode

http://support.mozilla.com/en-US/kb/Basic+Troubleshooting#Make_a_new_profile

Samuel Tarling 2011-06-09 03:57:41 PDT

Comment 2

This is normally caused by firefox having to parse a large number of applications, which can equate to a delay on slower systems.

Firefox 4.0.1
Mozilla/5.0 (Windows NT 6.1; rv:2.0.1) Gecko/20100101 Firefox/4.0.1
Windows 7
This 'bug' gives me a < 1second delay time.

This bug could be closed now, seeing as it from two years ago, and can hardly be classified as a bug.

WORKSFORME

A Chrome Bug Report

120575: Ethernet icon is too light in color and not very visible

Prev 35 of 24215 Next > Back to list

1 person starred this issue and may be notified of changes.

Fixed

issue chromium-os:28529 sadrul@chromium.org

Yesterday

al...@google.com. Kusc...@chromium.org. lafo...@chromium.org, davemo...@chromium.org, piman@chromium.org, rby...@chromium.org, saintlou@chromium.org

k-Beta ved

2d-1084

ent below

Reported by project member benc...@chromium.org, Mar 27 (2 days ago)

The Ethernet icon (see the attach screenshot) is too light in color and not very visible to some users. They may not immediately recognize the icon, and may even be confused by it. Making the icon a bit darker would greatly improve its usability.



Comment 1 by kan...@chromium.org, Mar 27 (2 days ago)

nicholas, can you take a look and see if we can improve this?

Status: Assigned

Owner: al...@google.com Labels: -Pri-3 Pri-2 Mstone-R19

Comment 2 by saintlou@chromium.org, Mar 27 (2 days ago)

Alex: can we punt to 20?

Owner: Kusc...@chromium.org

Cc: al...@google.com

Labels: -Sev-3 -Mstone-R19 Sev-2 Mstone-19

Comment 3 by Kusc...@chromium.org, Mar 27 (2 days ago)

If it is an easy asset change, we may want to do it

Software Testing

Instructor: Lin Tan

Bug 8223 - RACE: Lock is expected before calling ata_dev_select, but in some call chains not held!

Status: ASSIGNED Reported: 2007-03-16 21:59 by Ding

Product: IO/Storage

Component: Serial ATA Kern

Version: 2.5

Platform: i386 Linux

Kernel Version: 2.6.20.1

Tree: Mainline

Modified: 2010-09-18 14:55 (History)

Regression: No

Importance: P2 normal Assigned To: Tejun Heo

URL:

Depends on: Blocks:

Show dependency tree / graph

.....

Attachments

Add an attachment (proposed patch, testcase, etc.)

Description From Ding 2007-03-16 21:59:19

```
ata dev select:
```

The comment of this function: "LOCKING: caller".

But in some call chain lock is not acquired:

ata_dev_read_id <- ata_qc_issue_prot <- ata_bus_probe <- ata_dev_revalidate <ata_eh_revalidate_and_attach <- ata_device_add

A lock is not acquired. But in other call chains, there is lock acquired.

A Linux Kernel Bug Report Details

Description From **Ding** 2007-03-16 21:59:19

```
ata dev select:
```

```
The comment of this function: "LOCKING: caller".

But in some call chain lock is not acquired:

ata_dev_read_id <- ata_qc_issue_prot <- ata_bus_probe <-
ata_dev_revalidate <-
ata_eh revalidate and attach <- ata_device add
```

```
A lock is not acquired.
But in other call chains, there is lock acquired.
```

A JFreeChart Bug Report

Tracker: Bugs Monitor Last Update: Comment added (matinh) Missing parameter check in the setRotationAnchor(TextAnchor) - ID: 3428870 Details: The method "setRotationAnchor" in the "TextAnnotation" class does not check the parameter for "null", whereas several related methods check the parameter, e.g., methods "setText", "setFont", "setPaint", and "setTextAnchor" in the same class, or "setRotationAnchor" in the "XYTextAnnotation" class (which has the same Javadoc comment and same method name but different behavior). We found this inconsistency while inspecting the "null not permitted" part in the Javadoc. Suggested Fix: Make "setRotationAnchor" in "TextAnnotation" consistent with the other methods by changing it like this: public void setRotationAnchor(TextAnchor anchor) { if (anchor == null) { throw new IllegalArgumentException("Null 'anchor' argument."); this.rotationAnchor = anchor; Submitted: Shin Hwei Tan (shinhwei 2011-10-26 13:03:35 PDT Assigned: Martin Höller Priority: 5 Category: General Status: Closed Group: 1.0.x

Comment (1)

Date 2011-10-28 13:31:33 PDT Sender: matinn

Resolution: Fixed

Thanks for the report. Fix is applied in SVN and scheduled for 1.0.14 release.

Software Testing

Instructor: Lin Tan

Visibility: Public

JFreeChart Bug Report Details

The method "setRotationAnchor" in the "TextAnnotation" class does not check the parameter for "null", whereas several related methods check the parameter, e.g., methods "setText", "setFont", "setPaint", and "setTextAnchor" in the same class, or "setRotationAnchor" in the "XYTextAnnotation" class (which has the same Javadoc comment and same method name but different behavior). We found this inconsistency while inspecting the "null not permitted" part in the Javadoc.

```
Suggested Fix: Make "setRotationAnchor" in "TextAnnotation" consistent
with the other methods by changing it like this:
public void setRotationAnchor(TextAnchor anchor) {
   if (anchor == null) {
      throw new IllegalArgumentException("Null 'anchor' argument.");
   }
   this.rotationAnchor = anchor;
   }
}
```

Software Testing



What makes a good bug report?

Survey



Participants



Information

Question I

Which of the following items have you previously used when fixing bugs? (select as many items as you wish)

Question 2

Which three items helped you the most?

(select at most three items)

product	hardware	observed behavior	screenshots
component	operating system	expected behavior	code examples
version	summary	steps to reproduce	error reports
severity	build information	stack traces	test cases

Problems

Question 3

Which of the following problems have you encountered when fixing bugs? (select as many items as you wish)

Question 4

Which three problems caused you most delay in fixing bugs?

(select at most three items)

You were given wrong:	There were errors in:	The reporter used:	Others:
product name	code examples	bad grammar	duplicates
component name	steps to reproduce	unstructured text	spam spam
version number	test cases	prose text	incomplete information
hardware	stack traces	too long text	viruses/worms
operating system		non-technical language	
observed behavior		no spellcheck	
expected behavior			

Legend

- All consistent responses for the project
- Number of times that item was selected in D1
- Number of times that item was selected in D1 and D2
- Number of times that item was selected in D1 but not D2

DI: Question I

D2: Question 2

RI:Which of the following items have you previously provided when reporting bugs?

R2: Which three items were the most difficult to provide?

R3: In your opinion, which three items are most relevant for developers when fixing bugs?

Legend

- All consistent responses for the project
- Number of times that item was selected in D1
- Number of times that item was selected in D1 and D2
- Number of times that item was selected in D1 but not D2

DI:Which of the following items have you previously used when fixing bugs?

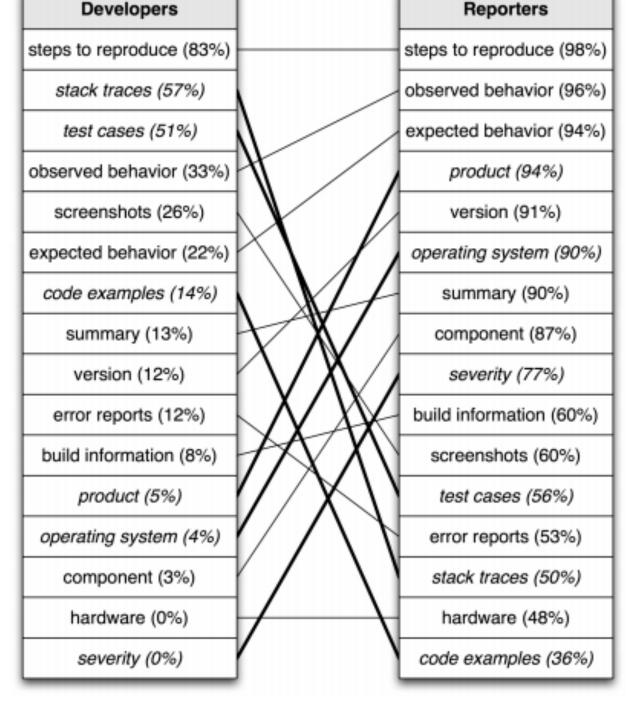
D2:Which three items helped you the most?

RI:Which of the following items have you previously provided when reporting bugs?

R2:Which three items were the most difficult to provide?

R3: In your opinion, which three items are most relevant for developers when fixing bugs?

Table 2: Results from the survey among developers. (130 consistent responses by APACHE, ECLIPSE, and MOZILLA developers.) Contents of bug reports (D1/D2). In parentheses: importance of item. observed behavior (33%) product (5%) screenshots (26%) hardware (0%) expected behavior (22%) operating system (4%) component (3%) code examples (14%) summary (13%) version (12%) steps to reproduce (85%) error reports (12%) test cases (51%) build information (8%) stack traces (57%) severity (0%) Problems with bug reports (D3/D4). In parentheses: severeness of problem. You were given wrong: The reporter used: There were errors in: Others: product name (7%) bad grammar (16%) duplicates (10%) code examples (15%) unstructured text (34%) spam (0%) component name (15%) steps to reproduce (79%) prose text (18%) incomplete information (74%) version number (22%) test cases (38%) viruses/worms (0%) hardware (8%) stack traces (25%) too long text (26%) operating system (20%) non-technical language (19%) observed behavior (48%) no spell check (0%) expected behavior (27%) Table 3: Results from the survey among reporters. (215 consistent responses by APACHE, ECLIPSE, and MOZILLA reporters.) Contents of bug reports (R1/R2). In parentheses: difficulty of item. product (0%) hardware (1%) observed behavior (2%) screenshots (8%) component (22%) expected behavior (3%) operating system (1%) code examples (43%) summary (4%) steps to reproduce (51%) error reports (2%) version (1%) severity (5%) build information (3%) stack traces (24%) test cases (75%) Contents considered to be relevant for developers (R3). In parentheses: frequency of item in R3. observed behavior (33%) product (7%) hardware (0%) screenshots (5%) operating system (4%) expected behavior (22%) code examples (9%) version (12%) summary (6%) steps to reproduce (78%) error reports (9%) build information (8%) stack traces (33%) severity (2%) test cases (43%)



(b) Most helpful for developers vs. provided by reporters.

Mining facts











Fixed or not

DID YOU KNOW?

Bug reports containing stack traces get fixed sooner.

(APACHE/ECLIPSE/MOZILLA)

Bug reports that are easier to read have lower lifetimes.

(APACHE/ECLIPSE/MOZILLA)

Including code samples in your bug report increases the chances of it getting fixed. (MOZILLA)