

# EECS 4313 Assignment 1: Bugs and Bug Reports

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February 1, 2017

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## 1 Bug Report 1 - Checklist Bug

**Bug Report Title:** Does not create empty checklists

**Reported by:** Mina Zaki - zakimina3@gmail.com

**Date reported:** Monday, January 23rd, 2017

**Program or component name:** Checklist tab of Borg Calendar

**Configuration:** Mac OS X 10.12.2 Java 1.8.0\_121 Runtime build 1.8.0\_121-b13

**Report type:** Bug

**Reproducibility:** Yes this can be reproduced.

**Priority:** This is a minor issue, since users will not regularly attempt to make checklists without submitting a name.

**Problem Summary:** The problem is that you cannot create a checklist with no name.

**Problem Description:** The problem is that the system does not create a checklist with no name. However according to REQ-22:

REQ-22: A checklist with no name can be created and is treated like all the others (i.e. the empty name is treated as a unique one and no other checklists without a name can be created).

Therefore, REQ-22 states that a checklist without a name can be created, however the system does not create the checklist when no name is input.

To reproduce this bug, follow these steps:

- Click "Action" on the file menu
- Select "Checklists" from the Action file menu
- Create a "New Checklist"
- Click "Ok" without entering any data

**New or old bug:** This is an existing unfixed bug.

## 2 Bug Report 2 - Search Bug

**Bug Report Title:** Searching for US or Canadian Holiday

**Reported by:** Anton Sitkovets - papaiza.12@hotmail.com

**Date reported:** Monday, January 23, 2017

**Program or component name:** BORG Calendar

**Configuration:** Mac OS X 10.12.2 Java 1.8.0\_121 Runtime build 1.8.0\_121-b13

**Report type:** Bug

**Reproducibility:** Yes

**Priority:** Minor Issue. Since most users will not be interested in searching for public holidays

**Problem Summary:** When trying to search for a US or Canadian holiday, the search result returns nothing.

**Problem Description:** BORG does not allow the user to search for US or

Canadian holidays using its search functionality. This is not consistent behaviour as other calendar systems which allow you to search for public holidays.

To reproduce this bug, follow these steps:

- Click Action on the top left.
- Click Search from the drop down.
- Enter the name of a public holiday in the Search String field. For example type New Year's Day.
- Submit Search.
- Try to filter the search using the Holiday check box. Submit search again.

**New or old bug:** Old

### 3 Bug Report 3 - Undo Bug

**Bug Report Title:**Undo function not undoing project deletion.

**Reported by:** Jeremi Boston

**Date reported:** January 26, 2017

**Program or component name:** Borg Calendar 1.8.2

**Configuration:** This bug was found on an HP Pavilion dv6 Notebook PC, which runs an Intel Core i5-2410M CPU, and the Windows 7 64 bit operating system. Furthermore, the Java version is 1.8.0\_121, and with a Runtime build 1.8.0\_121-b13.

**Report type:** Bug, Design Issue.

**Reproducibility:** Yes - consistently.

**Priority:** Minor issue.

**Problem Summary:** The undo function in the Borg calendar does not undo the act of deleting a project.

**Problem Description:** The Undo function in the Borg calendar does not present the option to undo certain tasks. Specifically, after deleting a project Undo does not display the option of undoing said act. The expected functionality of an Undo function is to undo a single act made by the user. However, the Borg calendar does not provide this functionality for the act of deleting a project, thus it is a bug.

To reproduce this bug, follow these steps:

- Click the Action button.
- Click the Tasks option in the drop down menu.
- Navigate to the Projects sub-tab.

- Click the add button at the bottom of the page.
- Provide an arbitrary Description.
- Repeat steps 1-3.
- Right click your project and select the Delete option in the drop down menu.
- Click Yes in the popup box which asks you to "Confirm Delete"
- Click the Undo button at the top of the page.
- The Delete task is not present for undoing.

**New or old bug:** Old bug

## 4 Problems with Mozilla Bug - 112785

There are three main issues with this bug report for Mozilla Mail. First, the title does not clearly explain the issue. The title should make it clear on what the bug report is about. Second, there is poor grammar and misspelled words in the description. This creates confusion among readers. Finally, it is lacking some meaningful error report, which in this case is the build ID. Giving the build ID assists developers with replication and reproducibility of the bug. In conclusion, this bug report is riddled with errors which creates confusion among its readers.

## 5 Issue Reports in HBase

### 5.1 Bug Reports in HBase

There are 8614 amount of bugs in these issue reports

### 5.2 States of Bug Reports

Amount resolved: 5899.  
 Amount In Progress: 39.  
 Amount Open: 2106.  
 Amount Reopened: 52.  
 Amount Closed: 8807.  
 Amount Patch Available: 354

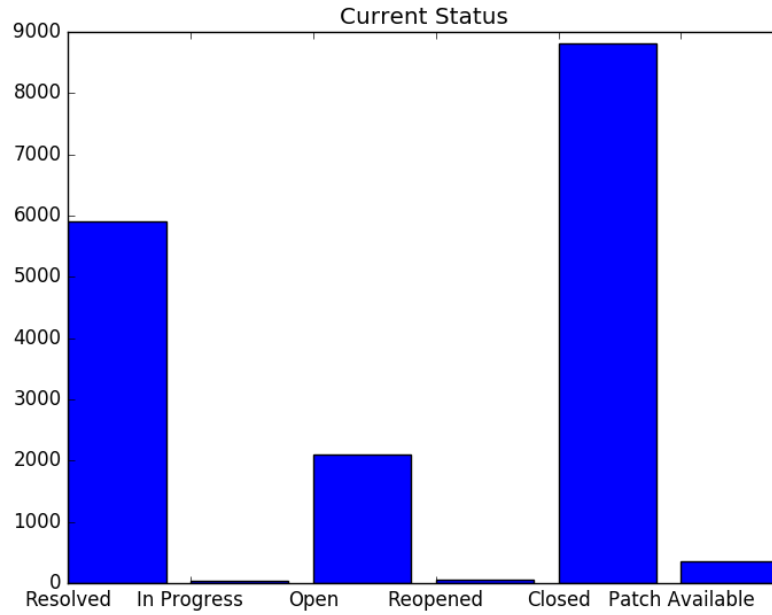


Figure 1: Graph of Bug Reports by State

### 5.3 Resolution Times for Bug Reports

Minimum time for a bug: 14.0 seconds

Maximum time for a bug: 474.0 weeks, 5.0 days, 15.0 hours, 45.0 minutes, 15.0 seconds

Average time for a bug: 35.0 weeks, 5.0 hours, 21.0 minutes, 34.0 seconds

Medium time for a bug: 1.0 week, 5.0 days, 12.0 hours, 34.0 minutes, 20.0 seconds