

Bugzilla

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Outline

What is it?

Features

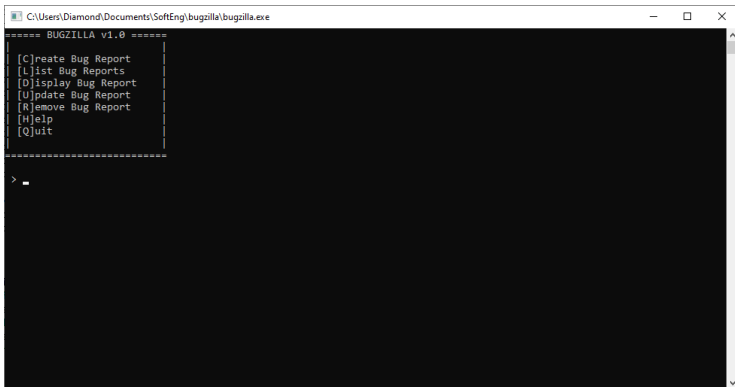
Inspiration

Description

A minimalistic Bug report tracker written in C++ for Windows & Linux.

Images

Main Menu



```
C:\Users\Diamond\Documents\SoftEng\bugzilla\bugzilla.exe

===== BUGZILLA v1.0 =====
|
| [C]reate Bug Report
| [L]ist Bug Reports
| [D]isplay Bug Report
| [U]pdate Bug Report
| [R]emove Bug Report
| [H]elp
| [Q]uit
|
|-----
|
> _
```

Create a bug report

This function prompts the user for a filename then proceeds to create the file. It then asks the user for the relevant information pertaining to a bug report.

List bug reports

This function lists the available bug reports, we expose it to the user so they can utilize it as they best see fit. We also utilize this function internally before filename selection in other functions, this helps provide the user with some context as to what files are available to be read from.

Display a bug report

This function displays a bug report in a formatted way. It also calls upon list reports before asking for a filename to ensure the user knows that filenames (bug reports) exist.

note: The file name list is taken from the CWD (current working directory)

Update a bug report

This function lists out possible bug reports, asks the user to select one (via inputting the filename). It then proceeds to print out the old information then asks the user for the newly updated bug report information.

note: Careful consideration has gone into what fields / info can &/or should be updated so as to avoid mangling the important information that was created (eg: Created At time and original filename)

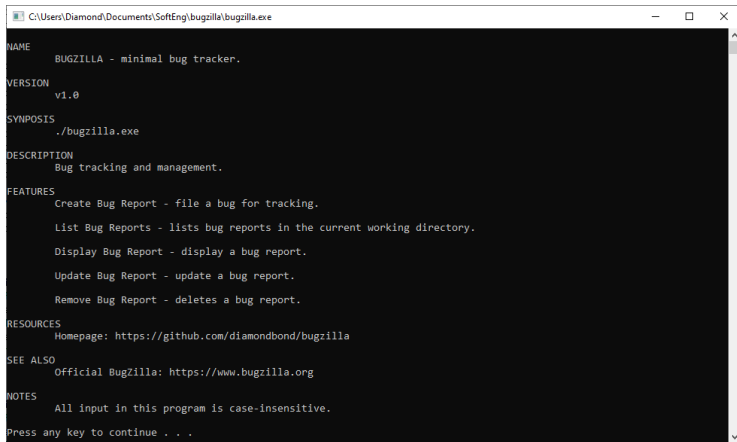
Remove a bug report

Prompts the user for filename after listing possible filenames. Deletes the filename that was provided by the user if it exists and prints out a success message otherwise it prints an error message.

Built-in help

Prints out the help screen.

Image



```
C:\Users\Diamond\Documents\SoftEng\bugzilla\bugzilla.exe

NAME
    BUGZILLA - minimal bug tracker.

VERSION
    v1.0

SYNOPSIS
    ./bugzilla.exe

DESCRIPTION
    Bug tracking and management.

FEATURES
    Create Bug Report - file a bug for tracking.

    List Bug Reports - lists bug reports in the current working directory.

    Display Bug Report - display a bug report.

    Update Bug Report - update a bug report.

    Remove Bug Report - deletes a bug report.

RESOURCES
    Homepage: https://github.com/diamondbond/bugzilla

SEE ALSO
    Official BugZilla: https://www.bugzilla.org

NOTES
    All input in this program is case-insensitive.

Press any key to continue . . .
```

Platform agnostic

This project should compile and run on Windows and Linux. It has been thoroughly tested on Windows 10 LTSC under a QEMU/KVM instance.

It has also been tested on Linux (Arch Linux) although it should theoretically work on any Linux/BSD/Darwin/POSIX operating system as all it calls upon is:

- ▶ sleep
- ▶ clear

These system binaries are called upon in the platform agnostic helper functions. They are available with any basic coreutils package that is available on any distro/POSIX compliant OS offering.

A Brief History of Bugzilla

This project was inspired by the original Bugzilla. When mozilla.org first came online in 1998, one of the first products that was released was Bugzilla, a bug system implemented using freely available open source tools. Bugzilla was originally written in TCL by Terry Weissman for use at mozilla.org to replace the in-house system then in use at Netscape.

Links

Homepage: <https://www.bugzilla.org>

About: <https://www.bugzilla.org/about>