

# **CSE 484**

# **Advanced search interface**

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# Topics for today

- How to make use of bug repositories
- Find out about latest crashes by using [Mozilla crash reports](#)
- How to browse source code using [DXR](#) and use search tools

# Where to find bugs?

- Mozilla uses Bugzilla, a popular online bug-tracking tool
- [Bugzilla Page for Mozilla](#)
- Security disclosures: [Sample disclosure](#)
- Search for [Buffer Overrun](#)



*The Bugzilla mascot*

# How to find bugs?

- Use [simple search](#), limit scope
- Example: status: All, Product:Firefox, Words: buffer overrun
- Or, use [advanced search](#)
- Sample [Bug report](#)
- Weekly [update](#) from Mozilla team

## **Q: Why do we care about fixed bugs?**

- Might expose other similar bugs
- Might be a sign that the “area” of code is poorly written or tested or just buggy in general

# Interesting cases to look for

There are a lot of asserts in firefox, what happens when they are broken?

- [JS\\_STATIC\\_ASSERT](#)
- [MOZ\\_ASSERT](#)

# Crash reports

- Another way to find interesting bugs
- [Mozilla crash reports](#)
- More specific, [Firefox 36.0a1](#)

# I found an interesting bug, now what?

- Go to the source!
- DXR: code browser and search engine
- DXR for Mozilla [here](#)
- Annotated view of source [here](#)



# Try out a few bugs yourself

- Old firefox versions [download](#)
- Firefox bug POC, [here](#)
- Heap Spray Bug [Report](#)

**Q: What happens when there is a bug in your bug tracker?**

**A: It could reveal sensitive information about as-yet unfixed security holes.**



Read more [here](#)

# References used

- [Bugzilla Zero-Day Exposes Zero-Day Bugs](#)
- [Bugzilla Search Tips](#)
- [Bugzilla Quick Search Guide](#)
- [Bugzilla Firefox Add-on](#)