Bug O the Day

Starting in Week 2, at the beginning of every class day, we will be having a Bug of the Day presentation. Each student will be required to present a Bug of the Day at least once in the course, but students may present more than once throughout the quarter (there are 36 class meetings starting from the second week, so a lot of this depends on the number of students in the class). Each time a student presents a Bug of the Day, the student will earn 10 Incentive Points towards his/her Incentive grade.

The presentations should never be more than 5 minutes in length (it is to intrigue the listener to learn more if (s)he wishes). You do **not** need to prepare any visual aids for your presentation, although you may if you wish. If there are visual aids on your computer that will help your presentation, you may call the instructor over Teams (since the instructor's machine will already be connected to the projector) before the presentation starts and share your screen. You will be providing a link to your sources so that others can see for themselves. The links you provide can contain most visual information that you do not end up presenting, etc.

Which Sort of Bug to Present

The bug you select and present should have as many of the following categories as you can, although most presentations will not contain all of these. The bug you present should be:

- as recent as possible (can be older, but should have some of the following even more)
- "interesting" (or "interesting fix")
- "fun"
- regarding software/hardware that is relatively familiar to at least some in the class
- something you can present/introduce in 5 minutes
- etc.

What Information to Present

Since you will have 5 minutes, this will obviously not be a full discourse on the bug's life cycle or necessarily how it was fixed. But there are some points you want to have in your presentation:

- What was the product in which the bug exist(s/ed)?

- If the product is not familiar, what sort of product is it and who uses it (in a sentence or two)?
- How did the bug present itself?
  - Who found it? (not always important, but this can sometimes be interesting to the story)
- How many people did the bug affect?
- How severe was the bug?
- How was it found?
- How was it fixed?
- Lessons learned?
- Link to information you used.

Sometimes, you may have to skip some of the above to fit the important parts into 5 minutes. For the link to the information, there will be a spreadsheet with everyone's name on it that presented on what day(s). When you present a Bug of the Day, you will place all relevant materials on this spreadsheet so that others can follow up on everything if they wish.

When to Present

A spreadsheet will be available from the front of the Moodle page. This spreadsheet will contain the names of all the students in the section in (random) order. Next to names will be the dates that each student presents the Bug of the Day. You will know in advance what day you will be presenting, so you should be prepared for that day. When you do present, there will be a space in the spreadsheet for you to provide a link to all your supporting materials. At least one link should be provided before your presentation starts. All students will have access to this same spreadsheet.

Where to Find Bugs to Present

Not to sound... metaphysical, but bugs are truly all around us. It is fair to say that if there is a piece of software out there and it is being used by someone... anyone... there is a bug in it. People find them all the time, all over the place and even in software that has been around to stand the test of time. They should not be difficult to "find" if you look... and maybe listen as well.

The following are good places to start your search (but do not feel like your search should be limited by the following!):

- The news - many major bugs are reported on the news
- Web search - "Hey Google... any bugs lately?"
- Open source software
  - Forums

- ○ Bug tracker database for the software (see Bugzilla for Mozilla for example)
- ○ Blogs
- ○ Commit logs
- Friends - you got friends that talk about bugs in things... right?
- Professors - OK... I KNOW there are some good bug stories from professors... I've told a few myself!
- Software Engineers you know - be careful not to use any sensitive information that belongs in an NDA, but otherwise, this is a great resource for great bug stories!

Not Going to Make Your Presentation? (Grade Concerns)

It will be **your responsibility** to notify the instructor in advance if you are unable to attend the class day where you are scheduled to present. Students who are scheduled to present and miss the presentation for any unexcused reason will generally *lose* up to 15 Incentive Points from their Incentive grade. Students will NOT lose any incentive credit if the instructor has been notified BEFORE the day the student is to present. If students are ill the day of the presentation and must miss class, the instructor should be notified as soon before class as possible.

Students may also "trade days" at no penalty. That is, if Sue presents on Friday and Tim presents on Monday, if Tim cannot make class Monday, Tim and Sue can trade days (and Sue presents on Monday so Tim can present on Friday) at no penalty to either Tim or Sue. This trade is something the instructor should be made aware of, though! If a student is ill the day (s)he is to present, students may trade days with other students *who are willing*.