

Chapter 6 and Chapter 6.5 Quiz

1. [1pts] T or F? Bugs to released versions are usually a higher priority to the customer than implementing new features.

T

2. [2pts] You'll always have tension between _____ (a) _____ cropping up in released versions, and new _____ (b) _____ in upcoming versions.

(a) bugs

(b) Features

3. [1pts] To make finding particular versions of the software easier, you should leave a good _____ when you commit.

log message

4. [2pts] If you have an important revision that you'll almost certainly need to get back to, what should you do with that revision?

Tag it.

5. [2pts] You should always commit to a _____ (a) _____, and never to a _____ (b) _____. (Hint: one of these is "branch" and one is "tag".)

(a) branch

(b) tag

6. [6pts] Fill in each blank with “branch”, “tag”, or “trunk”.

trunk is where your active development should go; it should always represent the latest version of your software.

tag is a name attached to a specific revision of the items in your repository so that you can easily retrieve that revision later.

branch is a copy of your code that you can make changes to without affecting the latest version of your software.

7. [4pts] Is each of the following T or F? You should branch when...
- a. ... you have released a version of the software that you need to maintain outside of the main development cycle.

T

- b. ... you can accomplish your goal by splitting code into different files or libraries that can be built as appropriate on different platforms.

F

- c. ... you have a bunch of developers that can't keep their code compiling in the trunk so you try to give them their own sandbox to work in.

F

- d. ... you want to try some radical changes to code that you might need to throw away, and you don't want to impact the rest of the team while you work on it.

T

8. [3pts] Say you're a Photoshop developer at Adobe. Adobe has released and continues to support versions CS4, CS5, and CS6 of Photoshop. You are also working on version CS7, but it hasn't been released yet. What must you do if a bug in CS5 is discovered?

You must Find and Fix the bug in version CS5, and then you must determine whether each of the other supported versions contains the bug, and if so, Find and Fix it in those versions as well.

9. [1pts] The build tool is for your _____, not just you.

team

10. [2pts] Name two things a build tool can do for a project.

Here are a few:

- generate documentation
- compile your code
- perform cleanup
- package up your project for distribution/deployment

11. [1pts] T or F? A build script is different from other types of code and should not be checked into version control (e.g., Subversion).

F