Objectives
• Collaboration

Collaboration
• Large software projects
• Many members of the team

• How to collaborate so that team members are not stepping on each other’s toes?
  ➢ And additional benefits that you will reveal on Monday…

For Monday
• Presentations/Demos on CVS and Subversion (SVN)
  ➢ May be the most important tools you learn this semester
  ➢ I use them both!
• End goal: compare the two tools
  ➢ Similarities
  ➢ Differences

Teams

<table>
<thead>
<tr>
<th>CVS</th>
<th>Subversion (SVN)</th>
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<tbody>
<tr>
<td>Jack</td>
<td>Alex</td>
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<tr>
<td>Levi</td>
<td>Anne</td>
</tr>
<tr>
<td>Stuart</td>
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Preparation for the Demo
• CVS team will go first
  ➢ Historical
• Subversion has some overlap
  ➢ Focus on differences between CVS and Subversion
• Me: related work, future directions

Teams

• CVS
• Subversion (SVN)

- CVS: /home/courses/cs297/shared/cvs, jbidwatcher project
- SVN: /home/courses/cs297/shared/svn, Slogo project

Preparing for the Demo

- Read the documentation (see course web site for some starting places)
- Try it out
  ➢ Create a new repository
    ➢ Make sure permissions are correct
  ➢ Add files
  ➢ Change, commit files
    ➢ Try to commit the same files
  ➢ Use provided repositories
    ➢ CVS: /home/courses/cs297/shared/cvs, jbidwatcher project
    ➢ SVN: /home/courses/cs297/shared/svn, Slogo project

Demo Content
• What is the goal of the tool?
• What is its intended uses?
• What environments is the tool supported for?
• Where would one go to learn how to install the tool?
• How do you get started using the tool?
• What features does the tool offer? What kinds of things can be done with the tool?
• What does the tool compare with other similar tools?
• What limitations does the tool have?
• What do the developers see as future extensions?
• More information
  ➢ http://www.cs.wlu.edu/~sprenkle/cs297/demo.php
Environments

- Use in Eclipse and on Command-Line
  - Same ideas
  - Command-line: have to know syntax
- Both tools are installed on lab machines
  - `cvs`, `svn`
- Subversion
  - Subclipse plug-in
- CVS is built into Eclipse

Demos

- Demo content from previous slides
- Example use of tool
- Aim for about 30 minutes

- After talk, give me the slides to post on the course page
- Demos are 36% of your final course grade

Audience Feedback

- Fill out a form after presentation
  - I'll collect feedback forms, type comments
- Evaluation should provide a constructive, succinct critique of the presentation
- Main evaluation areas: content, organization, and delivery
- Provide comments that explain ratings

Midterms

- Overall, did well
  - Best section was reading Bash script
- Common issues:
  - `wc` `find` 
  - Recently executed commands
  - Changing permissions for all `.sh` files and in subdirectories
    - `chmod g+x` `find /usr/shared/meandyou -name ".*sh"`
    - `chmod g+x` `/user/shared/meandyou -name ".*sh"`
    - `chmod g+x` `{}`
  - Maven limitations: "heavy"
- Bonus: UNIX developers — Ken Thompson and Dennis Ritchie

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<th>Final</th>
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