

Objectives

- Collaboration

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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...

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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

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Teams

CVS	Subversion (SVN)
Jack	Alex
Levi	Anne
Stuart	

- CVS team will go first
 - Historical
- Subversion has some overlap
 - Focus on differences between CVS and Subversion
- Me: related work, future directions

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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?
- How 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>

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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

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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

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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

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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

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Midterms

	A	B	C
Avg	84%	86%	94%
Med	85%	87%	92%

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

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