Web-CAT User Group Meeting

Welcome!
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Web-CAT: Automatic grading using student-written tests
http://web-cat.org

What is Web-CAT?
- A plug-in-based web application
- Supports electronic submission and automated grading of programming assignments
- Fully customizable, scriptable grading actions and feedback generation
- Lots of support for grading students based on how well they test their own code

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What we want from this meeting
- We want to hear from you …
- … And we want to answer your questions
- Topics:
  - What’s new with Web-CAT now
  - What’s coming in the near future
  - Lots of discussion
  - Who wants to contribute?

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What’s new with Web-CAT
- Multi-tab browser support
- Better support for multi-semester usage
- Safari WYSIWYG code markup
- Automatic hint controls for Java
- Reflection-based test cases for Java
- Dereferee, Visual Studio submissions
- AJAX support

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Let’s look at the Reporter Subsystem
- User-definable stats reporting for course staff

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What’s coming in the near future?
- Eliminate repetitive wizard page choices
- Improve the look and feel of the interface
- Speedier, smarter ajax-based interface enhancements
- Better integration with plagiarism detection services
- Smart rubric-based grading support

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What’s coming in the near future?
- Bulk submission download capabilities
- Ability to upload feedback you write externally
- Design your own statistical reports over student data
- Statistical analysis of your test cases
- Posting sample plug-ins to learn from

Let’s discuss …
- What are your:
  - Suggestions
  - Questions
  - Problems you need help with
  - Feature requests
  - Issues you want to work on

What’s coming in the near future?
- Support individual deadline extensions
- Scalable response time (clustering)
- Automatic hinting for C++
- Support for output-comparison scoring
- Integration with Moodle and/or Sakai (or Blackboard?)