

## **Designing Interactive Systems II - Summer Semester 2006**

Assignment 10: Google Windowing Toolkit

Due: Monday, July 10, 2006 @23:59

### **GWT**

The Google Web Toolkit (GWT) is a Java software development framework. Its purpose is to enable developers to write AJAX applications. You can read more about it here: <http://code.google.com/webtoolkit/>

For this assignment, you will be building a working example in the GWT. Recall the extra credit calculator from assignment 9. In this assignment, you will implement a calculator using Google's User Interface Toolkit. Your calculator should support all the functionality of a simple calculator (divide, multiply, subtract, add, equals, decimal place).

Note, you can work in groups of two.

### **Extra Credit**

For extra credit, integrate the GWT's history session. This will allow the back button on the web browser to navigate through previous states that the calculator has calculated.

### **Submission**

Email an archive of your assignment to [holman@cs.rwth-aachen.de](mailto:holman@cs.rwth-aachen.de) before the due date. The subject of your email should be "DIS2 Bonn Assignment 10"; be sure to use this exact subject line as it will be used to filter assignment submissions for grading.

Be sure to include, in addition to the source, the compiled project in your archive. Note, this is referred to as 'Web mode'. See "Debugging and Deploying GWT Applications" at <http://code.google.com/webtoolkit/overview.html>

Your assignment archive should include your source code and everything necessary to compile and run your program. Be sure to document your source code. Include a PDF document with the name README.pdf that contains:

- names and email addresses
- instructions on how to compile and run your source code
- non-obvious things you did in your code (if any)
- anything that you think makes your design particularly optimized and/or elegant

### **Grading**

- 1.0 - exceptional work that clearly went above and beyond what was given on the exercise
- 2.0 - exercise was completed satisfactorily as per the assignment specification
- 3.0 - exercise was completed, but has some problems
- 4.0 - incomplete exercise
- 5.0 - little or no effort was put into the exercise

Late assignments will be graded with a penalty of 0.5 per 24 hour period after the due date.