

# CIS 410/510: User Interface Programming

## *Short Report for Graduate Students*

January 9, 2007

The short report for graduate students consists of an oral presentation and a written report. The oral presentation should be about 30 minutes plus 15 minutes of discussion. The written report should be from 5-8 pages.

The report on programming languages would briefly describe the language overall and the support for programming a GUI: the event management, geometry management, the widget set, and the IDE or UIDE (if there is one). You should include an example program, such as the one used in the Tcl/Tk lecture/demo to create a series of three labels. The presentation should be a combination of Powerpoint etc. and a demo, if possible.

For the other two topics – UIDE (User Interface Design Environments), you should propose a topic/system/etc. to Prof. Douglas.

The UIDE report would describe how the design environment aids programming a GUI. This is usually a direct manipulation environment so please describe this as you would any system: functionality (including overall process of creating a program, handling errors, etc.), usability (learning and performance time and errors), and your user experience with it. The presentation should be a combination of Powerpoint etc. and a demo, if possible.

The novel widget report will describe some unusual widget that has been developed. There are many possibilities here: visualization tools such as a Tree Map, tiled windows, elastic windows, Pad++ etc.

<b>DATE</b>	<b>Topic</b>	<b>Person</b>
February 15	Visual Basic	Benoit
February 22	C++ (and, if possible, Visual C++)	Wayne
March 1	UIDE	Mark
March 8	Novel Widget	Rachel