GR5: Implementation

In this group assignment, you will do a working implementation of your term project.

By the deadline, your implementation should be complete in the sense that you are ready to test users on the important tasks you identified in task analysis. Your implementation should have both frontend and backend. User interactions should be live, not canned responses. For some projects, we understand that a complete backend may be beyond the scope of this class. Allowances will be made for that.

Your group should submit a brief implementation plan with the following parts:

- a high-level design showing the major components of the frontend and backend. At a minimum, this should be a list of modules with a brief description of each module. A module dependency diagram would also be helpful, but isn't required.
- if your backend will not be complete, explain why, and explain how you plan to simulate the missing parts.
- the breakdown of responsibility (for multi-person teams only). You can share the workload however you like, e.g., dividing the components, or dividing the roles (coding vs. unit testing), but your division of labor should be fair.
- the operating system platform(s), toolkit, programming language, and other software that your implementation will run on.

The final deadline of this assignment will not require a written report. Instead, your group will sign up for an appointment to demonstrate your implementation to the teaching staff. Appointments will start on the due date and run for the next few days. You will have a 30-minute time slot. Within this time, you will have to:

- brief us about your application's purpose and user population
- take us on a guided tour of the interface, using concrete examples driven by your scenarios
- let us try the interface for ourselves
- answer our questions about your design decisions and development process

You should make arrangements to bring your interface somehow: putting it on the Web, bringing it on a CD-ROM, or bringing your own laptop. If you want to use our machines for your demonstration, we have Windows XP, RedHat Linux, Java 1.4, Mozilla 1.7, Internet Explorer 6.0, mouse with scroll wheel, screen with up to 1600x1200 resolution. If your interface has special needs that we can't provide, you can arrange for the demonstration to take place elsewhere. Mention those special needs when you sign up for your appointment.