

# Assignment 5

## Multiple Windows

This assignment builds on the carousels scene of the previous assignments. Add an additional window. Both windows should be looking at the same scene, but have separate viewpoints and navigation systems. You can use the exact same inside-out navigation system for both windows. Only one window need have the menu system, but the global menu choices (such as animation on/off or fog on/off) should affect both views.

For 3 points extra credit, add two avatars (any kind of object such as a colored sphere or cone) at the location of each viewer so that each viewer can see a representation of where the other viewer is located.

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## Submittal

Assignment 5 is due **May 4, 2012**. Assignments that are one week late will receive about two thirds credit. Assignments that are two weeks late will receive about one half credit.

Submission of this assignment should be in the form of **well-commented** source code, preferably written in ANSI C. C++ is also acceptable. Well-commented means that I want a comment for every significant step, even if it consists of only one line of code.

For these simple programs, I prefer that you simply email me the source code so that I can build the program on my system. Since these programming examples will be relatively short, I prefer that you include all source code in a single file for ease of compilation. There is no need to submit executable code, or any other files generated by the development environment.

## Academic Honesty

I expect all code submitted by students in this course to be **their own**. In exceptional circumstances, it is permissible to borrow appropriate small sections of code from other authors. Whenever this is done, the student must **provide appropriate reference**. Reference must include the author of the code and a location that I can use to check the source. References should take the form of comments *within the code* that delineate exactly what lines were used. In other words, there should be a comment at the beginning and end of the borrowed code. Submissions that include copied but unreferenced code will receive **zero credit**.

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