

**Computer Science 411/611
Virtual Reality Systems
Spring 2009
Final Project – Wild World**

Due: Monday, 5/4/2009

Overview

For this project, you must create an interesting virtual environment. The nature and contents of this virtual world are completely up to you.

Description

Create a virtual environment that illustrates concepts covered in this course during the semester. Use imagination, creativity, and all of the technical and artistic talent at your disposal. Here are some examples:

- haunted house
- crash test simulation
- platform bridge across a canyon
- underwater cave exploration
- cathedral with stained glass
- TV room with streaming video and virtual channel changer
- carnival rides (e.g., roller coaster, spaceship)
- extraterrestrial experiences (e.g., moonwalk)

All project ideas must be approved; however, almost any project of suitable complexity should be fine. All projects must, of course, work with the head-mounted display located in the VR lab.

You may work in teams of 2-3. Teams should not communicate with each other. Higher quality work will be expected from larger teams. You may want to consider balancing your team with both technical and artistic members. As with previous projects, you should designate a team captain.

Students in 611 must implement at least one of the following options: making use of the hydraulic chair or incorporating sound.

Submission Requirements

All projects must be demonstrated in person by the due date. I will set up a sign-up sheet with 30-minute slots for each team to show their work. You may attend other demos (if the demonstrating team agrees) to see what others created for their projects.

As part of the requirements for this project and in order for others to view your work, you must create a web page with

- team member names
- a description of the project
- at least three different views of your world

Try to make your webpage interesting so that someone who sees it will want to visit your world.

Submit your tar'ed and gzip'ed code by e-mail (tadavis@cs.clemson.edu), or provide me with a url where your code can be downloaded. Please include a makefile or compilation command, a README.txt file describing how to run your program, and the url for your project web page.