**CS 550 Final Project Proposal**

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In this final project, I am planning to implement a solar system inside a film watching like box like we used to peep in and watch the film reels in early days, with all other features we discussed in the course.

A major part of this project will be creating the solar system and make a box which fits inside it. I’m planning to use lighting and texture mapping in creating the solar system. Creating the box with hole on one side and fitting the whole solar system inside the box is a big challenge and this will be having inside view and outside view, so when we do inside view the solar system will be viewed from the hole of the box and when we do outside view just the film kind of box is seen. So, when we are in outside view the user will be able to perform scaling and rotation but when in inside view, they can just watch the solar system.

And I am planning to do a camera view which will help us to go around all planets and this will be done by setting one toggle button to go around have closure look for all planets texture.

I am implementing all the concepts that we used in all our project, but I still need to do more research on some of the stuff like making all planets rotate and do the camera views. I Hope this turns out good for my final project and very much excited about it.