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COMP 4270

Computer Graphics 1

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## Final Project Report

I am going to a final project, I am going to draw front of the house and top view, if I will be able to figure out about side view, I would like to do that as well. For now, I am just going to make a simple view and if I have more time, I will include more “impress me”.

By week 2, I already added front view of house and I am working on side view for next week. If I get side view done by week 3, I am thinking about adding top view as well. I have learned about drawing house from few websites which I am going to include here.

[https://www.w3schools.com/graphics/svg\\_path.asp](https://www.w3schools.com/graphics/svg_path.asp)

[https://developer.mozilla.org/en-US/docs/Web/SVG/Tutorial/Fills\\_and\\_Strokes](https://developer.mozilla.org/en-US/docs/Web/SVG/Tutorial/Fills_and_Strokes)

On week 3, added side views and trying to make it look nicer. By end of next week, I will be working on coloring houses and add top view of house as well. Trying to add more graphics stuff to make it look nicer. I am going to see TA before next week submission and get some ideas from her what to do next. I used same websites for side views and I have used w3 schools for coloring in houses.

On week 4, I added table and changed background of table. Changed table borders, added some css to make it look better. I am going to have time to add top view and I might add buttons for zoom in and zoom out as well.

On week 5, I added 3D view of the house and I have added buttons for scaple up/down, X-Y axis changes as well. I have colored side view and top view according to the front view of the house. I am going to add angle view for 3D projection view of the house and I will ask TA about what I can do more in this project in remaining days.

It literally took me 4 weeks to make a dream house with top, front, side and 3D view of the house, I wasn't sure, what should I do next but after watching other student's presentation gave me lot more ideas. So, last few days I worked on my project continuously and learned about lots of cool and new things which I have added in past few days. I have been toughly going through <http://www.smartjava.org/> and learn most of from it. I have gone through most of his

tutorial and exercise to learn about 3JS. I used code from this website where I learn 3JS as well. I have made 3D object where you can change radius, detail and what type of 3D object you want. Texture bumpmap, you can change bump scale and you can generate map on small square underneath.