**3D House Project**

Your budget is: $100 000/person 3D model will be a scale of 1/24

Your home must include at least the following:

1. kitchen
2. living space
3. bathroom
4. bedroom

Outline of project

1. First sketch a rough design that you would like to build
2. Things to consider:
3. The average size of a house in Canada is 2000 square feet
4. The average ceiling height is 8 feet
5. Create a scale blueprint of your house. You can create the blueprint to a scale of 1/48
6. Create a budget to estimate the cost of your build. Prices are on the attached sheet.
7. There are certain building codes that you will need to follow. (See attached Sheet)

Building Codes:

1. Studs in walls need to be at maximum 16 inches apart
2. Doors and windows need to be framed properly.



1. If you building is two stories, joists need to be constructed in between the 1st and 2nd floor. Joist spacing will be a maximum of 16 inches. (Girders and subflooring are not required to meet our code) 
2. For roof construction each rafter must be placed above a stud in the wall. (Maximum spacing will be 16 inches, just like the studs)

One Rafter constructed

1. Gable Walls must be constructed on a pitched roof
2. 

**Pricing Structure**

**Framing**

Exterior Walls are $100/ft length

Interior Walls are $50/ft length

Lumber:

¼” x 4” = $40 each

¼” x 8” = $80 each

**Kitchen Appliances**

Premium Appliance (LG/Samsung/KitchenAid) - $5600

Fridge - $2700

Microwave - $400

Stove - $1500

Dishwasher - $1000

Mid-Range Appliances (Frigidaire/Maytag) -$4100

Fridge - $2200

Microwave - $360

Stove - $1000

Dishwasher - $540

Economical Appliances (GE White Appliances) - $1730

Fridge - $600

Microwave – $180

Stove - $550

Dishwasher - $400

**Bathroom Fixtures**

Toilet - $150

Bathtub - $220

Sink - $190

Extras require you to research and attach receipt