Lab 4: Introduction to Tinkercad
CSE 2100-001

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1 Objective

Create a Tinkercad account and design a 3D model of a typical car or truck. At a minimum, your car should have 4 wheels and a body with a roof. The size of your model should fit within a 3x6x3 (width x length x height) inch volume. Additionally, the rear and front wheel pairs should be aligned along the same axis. You are encouraged to add additional detail, such as body contours, embossed text, colors, hood ornaments, etc. The best design in each section will be 3D printed and returned to the designer at a later date.
Show your design to the lab GTA when you are done, and submit a copy of your .STL file along with your weekly lab report. If you are working with a partner, you only need to design a single 3D model (but you must both submit the .STL file on your BlackBoard account).

1.1 Definitions

CAD Replace this text with a brief description of the term (1-2 sentences).

Solidworks Replace this text with a brief description of the term (1-2 sentences).

AutoCAD Replace this text with a brief description of the term (1-2 sentences).

.STL Replace this text with a brief description of the term (1-2 sentences).

.OBJ Replace this text with a brief description of the term (1-2 sentences).

2 Question 1

What action must be done to combine several primitive geometric shapes into a single complex part?

Replace this text with your response.

3 Question 2

What steps would you take to create a hollow 5 inch cube with 0.5 inch thick walls?

Replace this text with your response.