Design Project
Submittal DP2
Material Selection

Team:_____
Members:_____
_____
_____
_____

Attach a neatly hand drawn concept sketch (3D isometric) of your design. Identify all of the components on the sketch with a unique name or number. Include preliminary layout dimensions. Also show preliminary sketches of connections.

In the table below, identify the materials to be used for each component in the design. On a separate sheet, list the relevant materials properties and the source of these data. As a minimum, include elastic properties E and ν and the appropriate strength parameters. Also provide a rationale and calculations (if necessary) for your selections. Low cost is the design objective, but the intangibles include at least: safety, aesthetics, durability, environmental impacts, and recycle-ability. Naturally, how the components are manufactured and assembled will affect the cost and need to be considered.

Component ID	***Complete Material Description***