

INTRO/ABSTRACT

Concrete Formwork Simulator is a simulation game designed to help those learning construction or experienced with construction. Choose from wall, column, and slab formworks to practice with and be scored on each step of the way. Train buying the correct number of materials, cutting them efficiently, and assembling the structures in the correct order.

METHODS

Made with:

Unity 2020.2.5f1

C# Scripting in Visual Studio



Source Control:

Github



3D Models:

Made with Maya



Sound Effects and Music:

Freesound, HumbleBundle

Formwork and Construction expertise provided by **Dr. Pavankumar Meadati**

RESULTS

Our game successfully provides those learning construction a way to gain practice buying, cutting, and assembling formwork pieces in a more engaging way than traditional assignments.

Concrete Formwork Simulator is a simulation game designed to help those learning construction or experienced with construction practice efficiently buying, cutting, and assembling materials for concrete formwork.

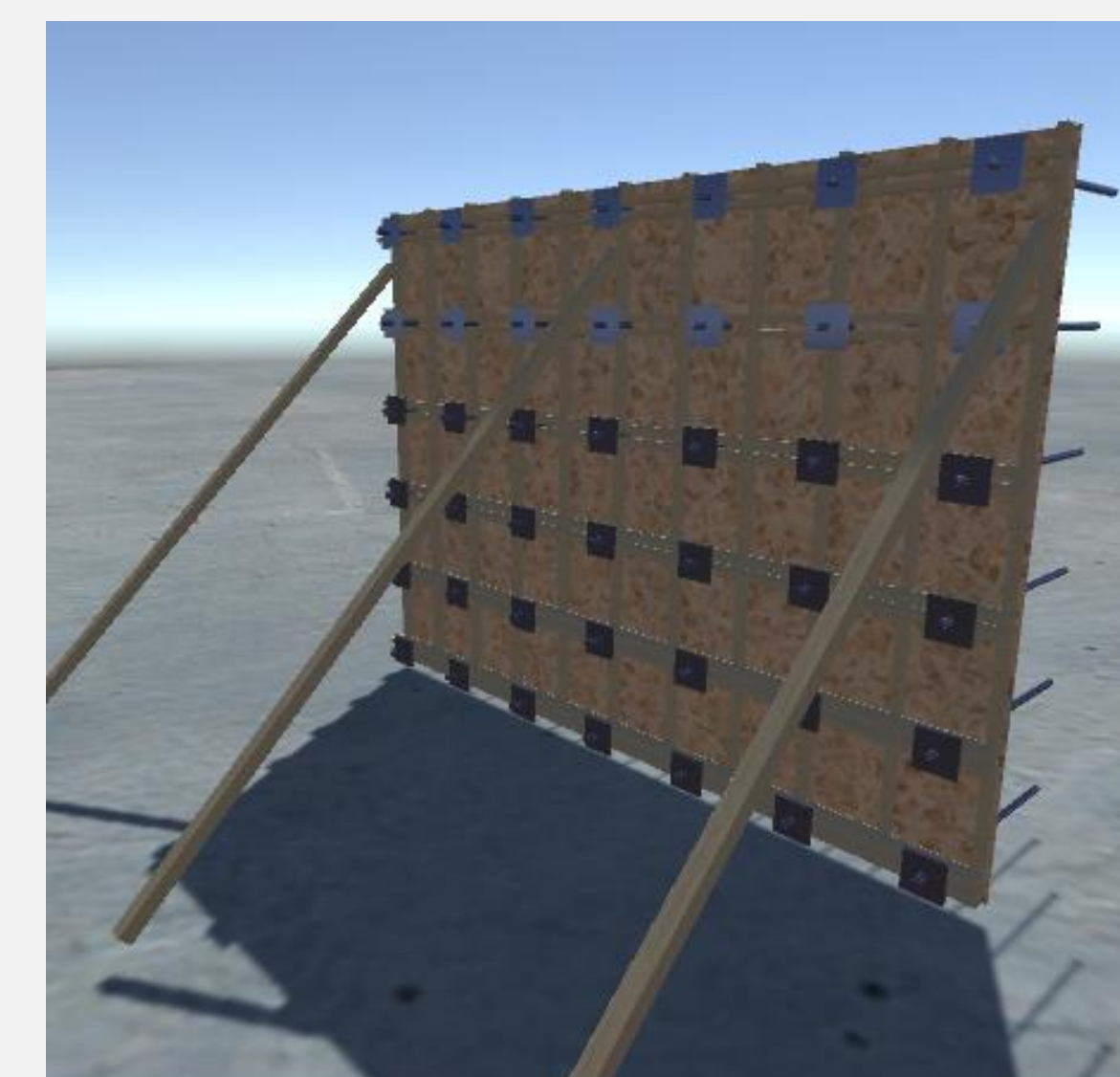
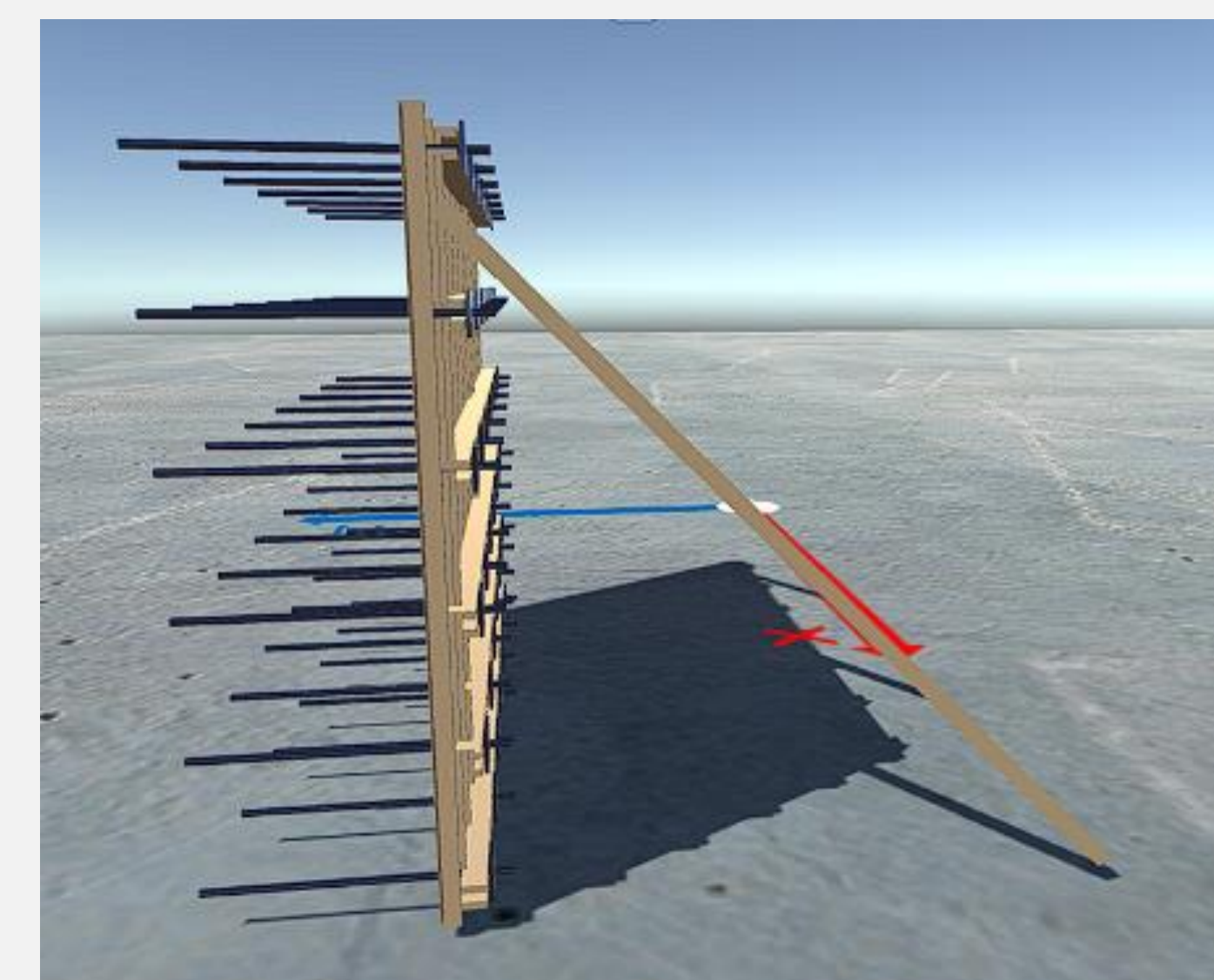


Figure 1: Wall Formwork Model

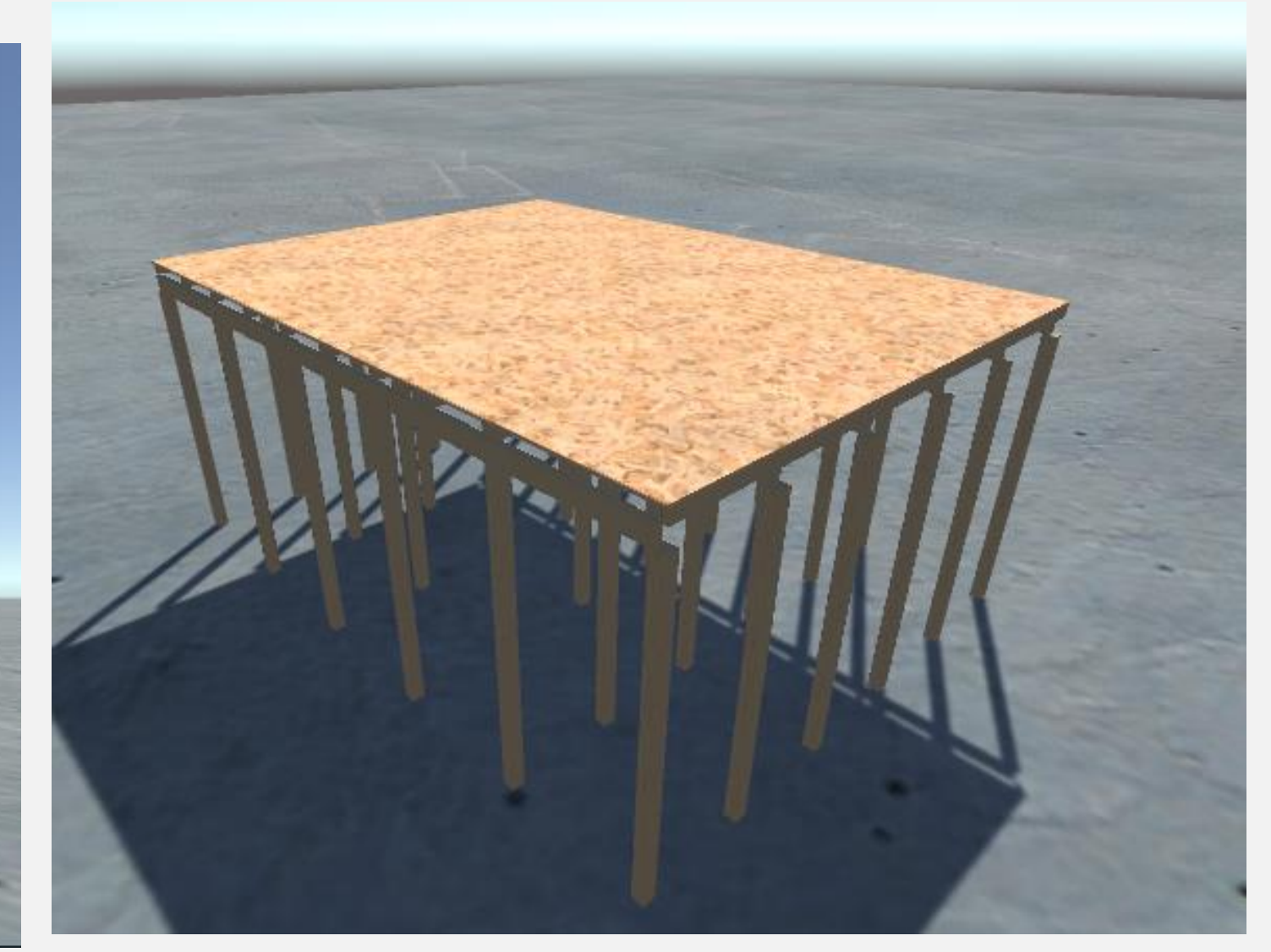
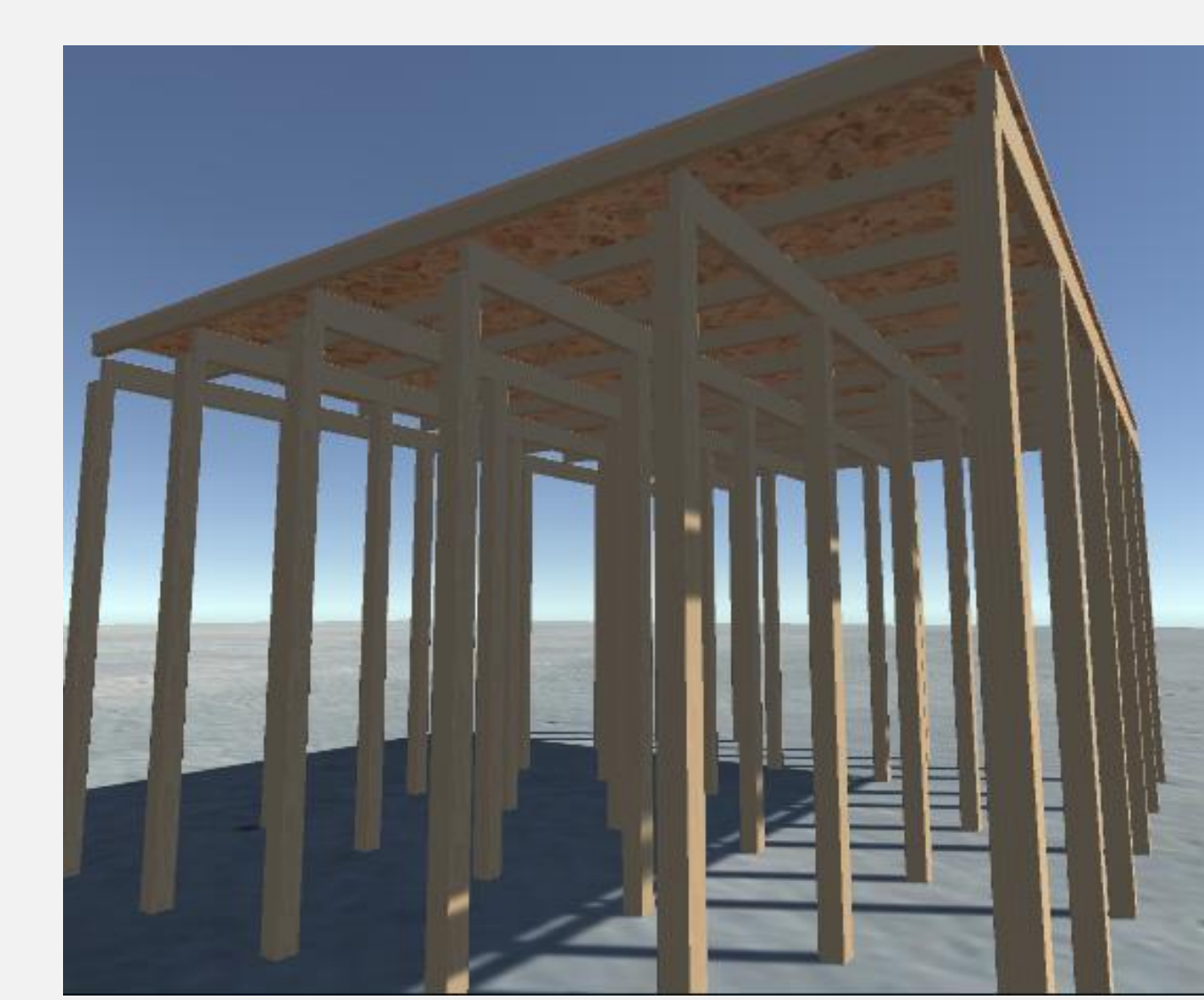


Figure 2: Slab Formwork Model

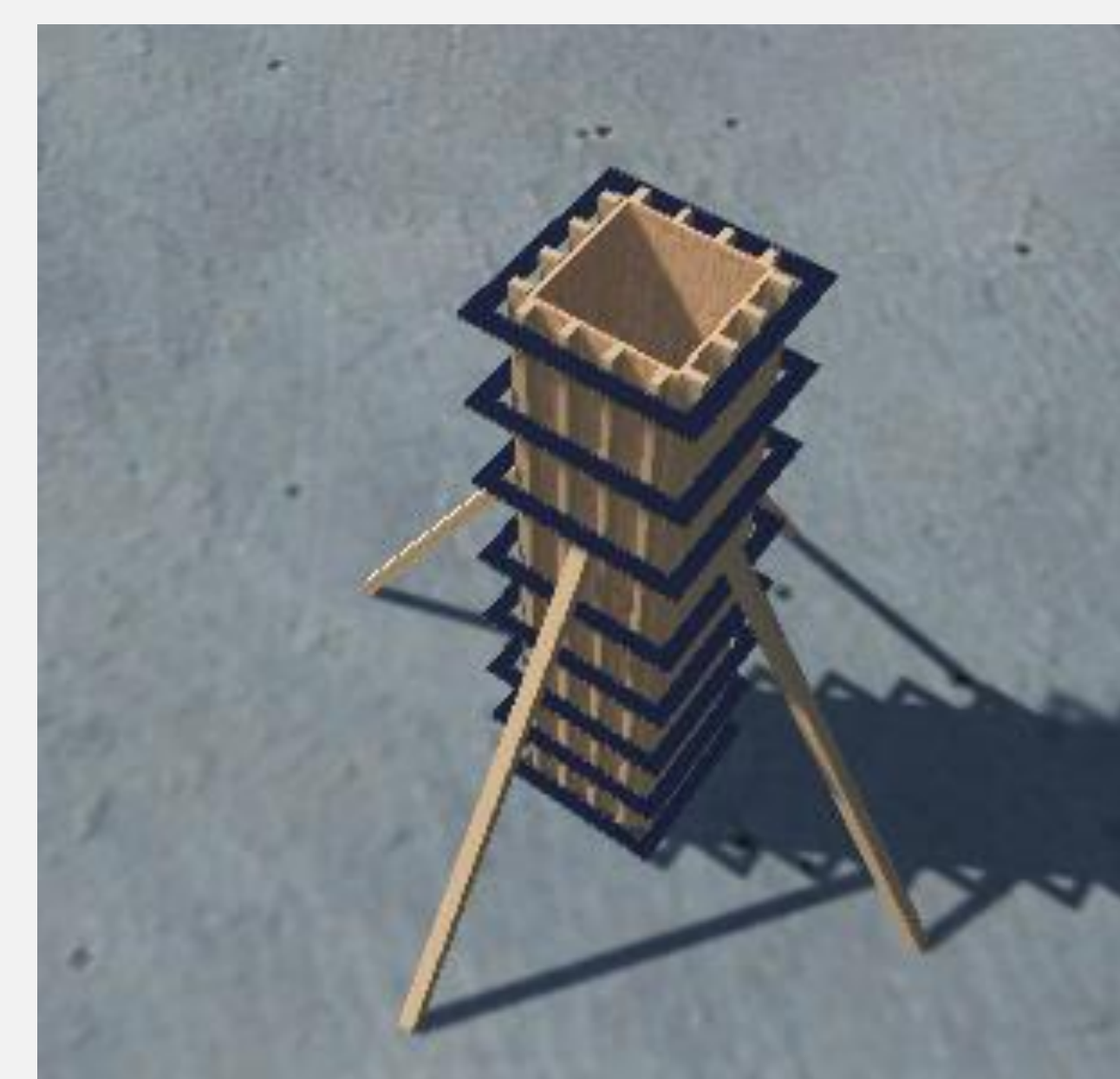
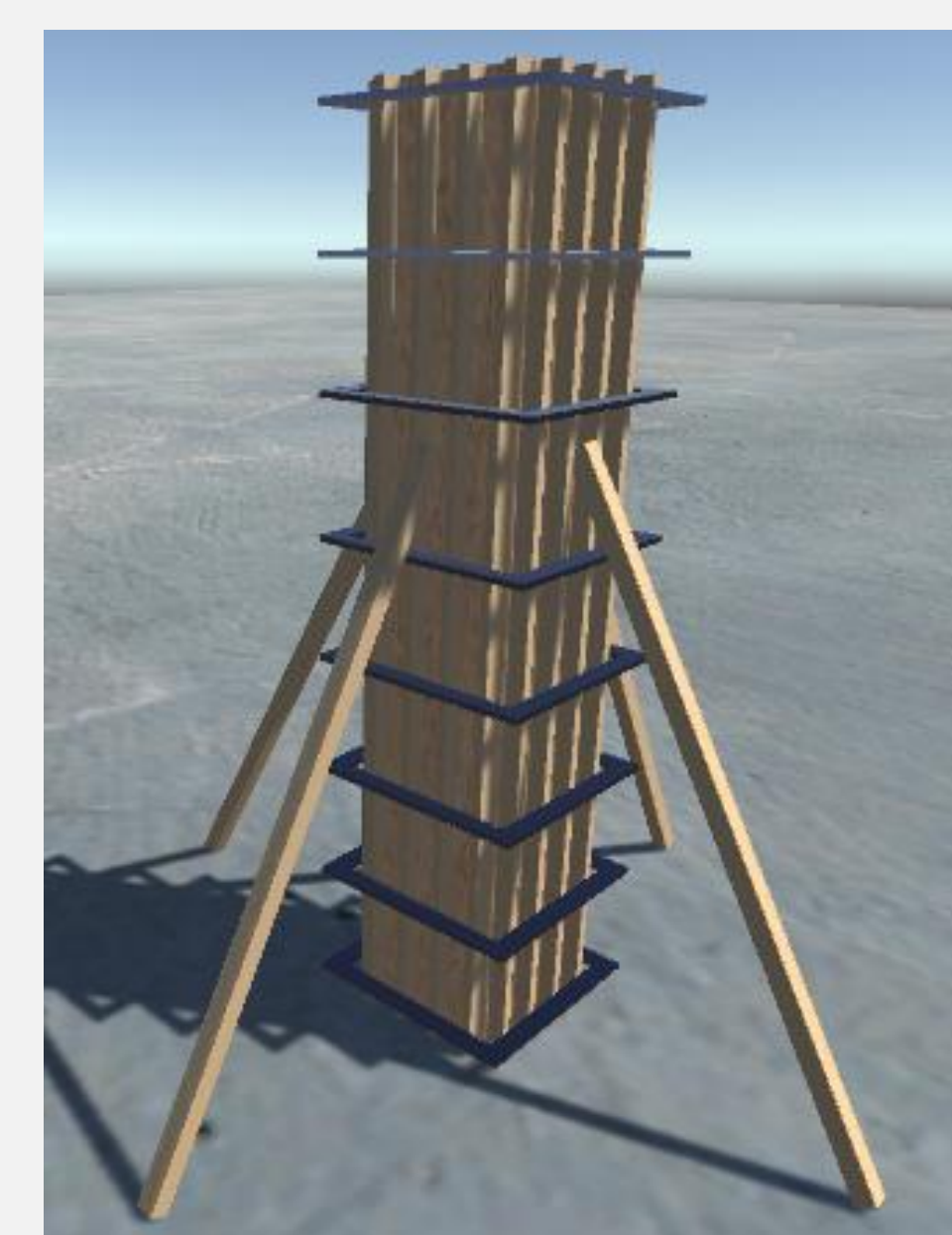


Figure 3: Column Formwork Model

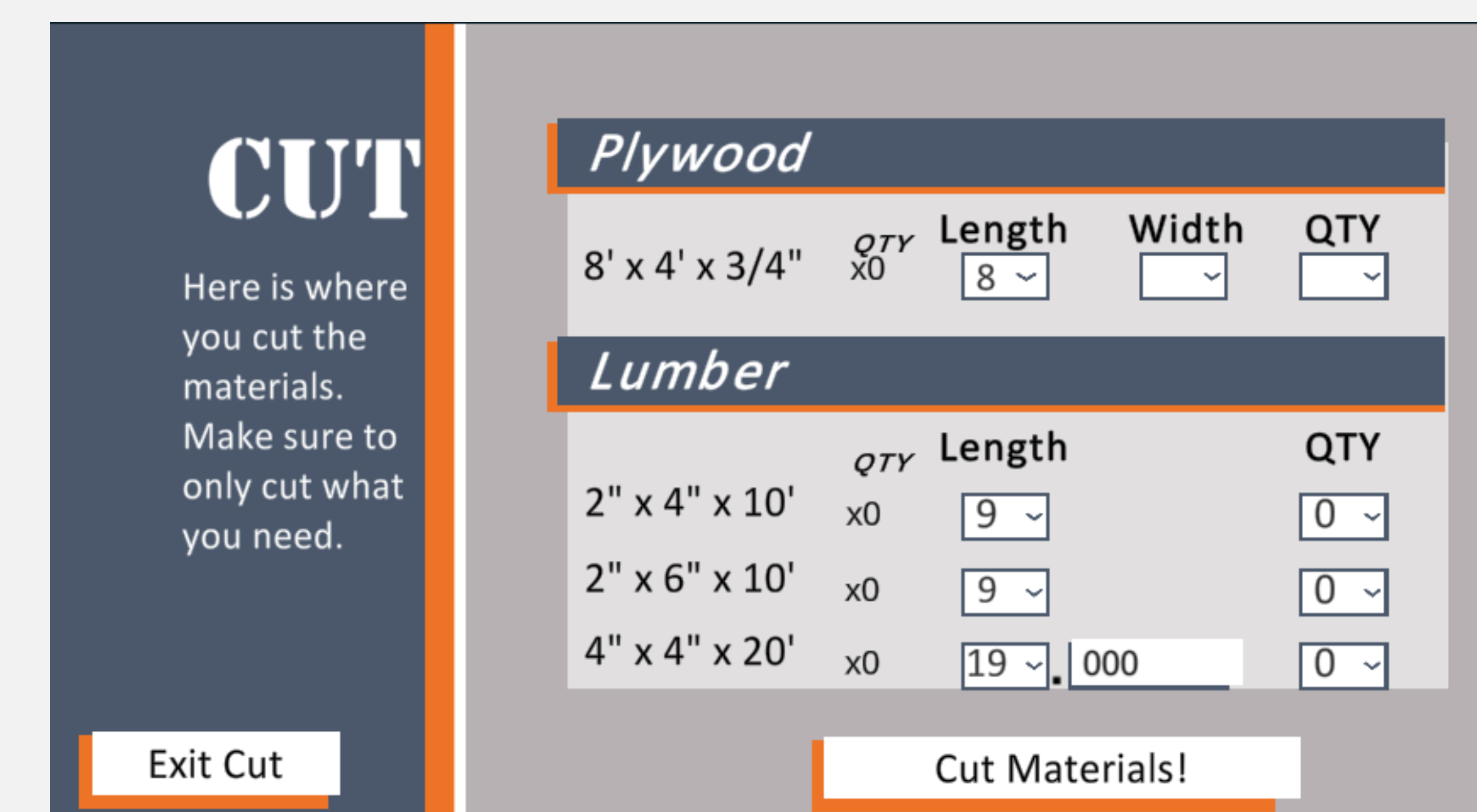


Figure 4: Cut User Interface

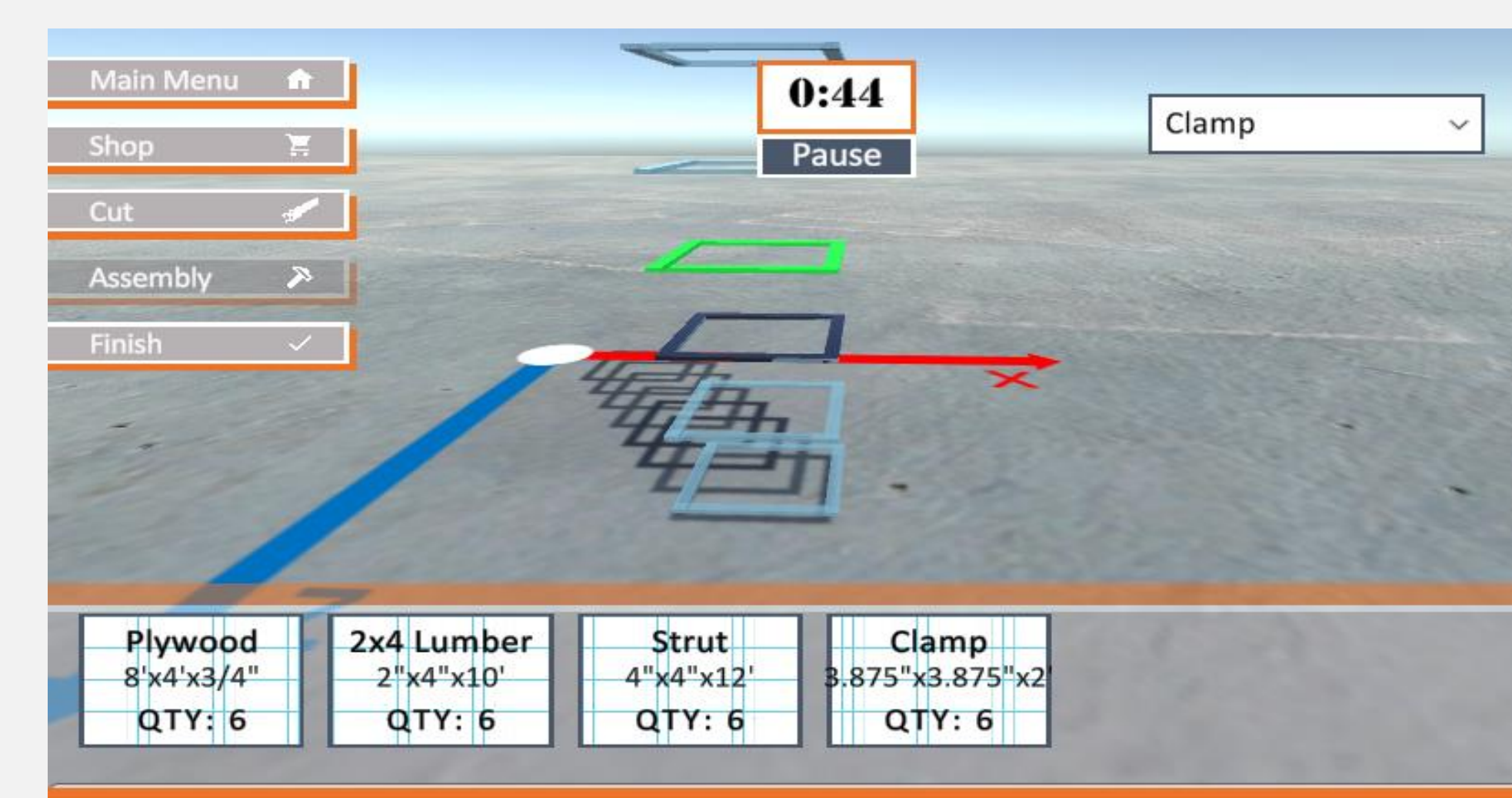


Figure 5: Building



Aidan



Katie



Mikail



Reid

