

Assignment#2 Q3 ReadMe

Name: Wen Sheng
E-Mail: wen.sheng@yale.edu

Operating System: Mac OS 10.10.5

Browser: Firefox 40.0.3 / Chrome 45.0 / Safari 8.0.8

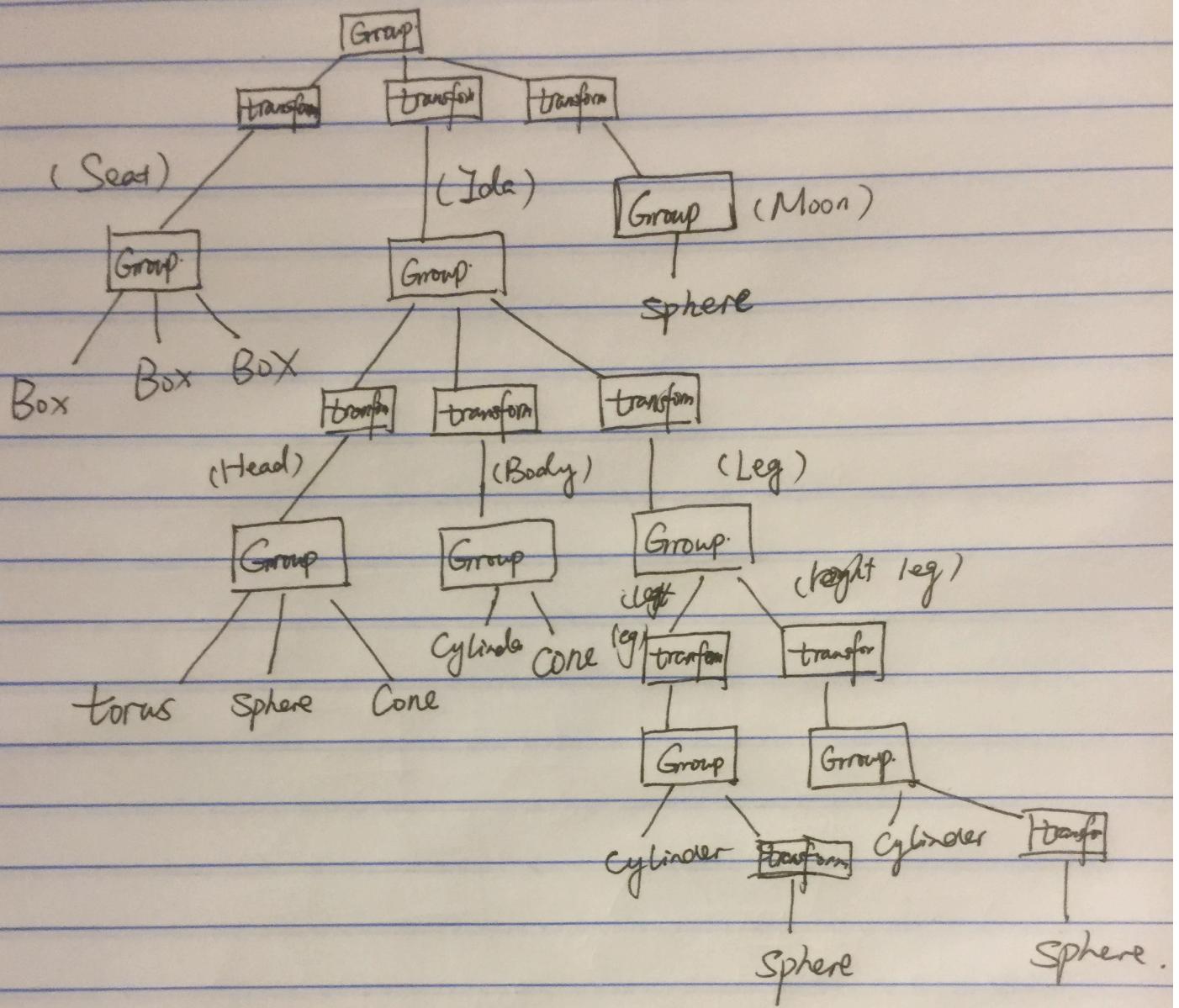
Ida is watching lunar eclipse

I. Operation Manual

- Use mouse pointer to switch the Eye position
- [w]: move forward (mode 1 and 3)
[s]: move backward (mode 1 and 3)
[a]: steer left (mode 1) / pan left (mode 3)
[d]: steer right (mode 1) / pan right (mode 3)
[q]: move up (mode 2,3)
[e]: move down (mode 2,3)

II. Tree Diagram:

- Use 5 Primitives:
 - Torus,
 - Sphere,
 - Cone,
 - Cube
 - Cylinder
- Tree Diagram Desgin:



```

Group {
    Transform {
        Translate(-4, 0, 0 )
        Group {
            }
    }
    Transform {
        Translate(4, 32, 0 )
        Group {
            Box
            Box
            Box
            }
    }
    Transform {
        Translate(40, 80, 18)
        Group {
            translation(2, 42, 0)
            Group {
                Torus
                Sphere
                Cone
                }
            translation(2, 16, 0)
            Group {
                Cylinder
                Cone
                }
            translation(8, 18.5, -3)
            Group {
                translation(0, -8,0)
                Group{
                    scaling(2, 3, 2)
                    Cylinder
                    translation(-6, -8,0)
                    scaling(12, 2, 2.5);
                    Sphere
                    }
                translation(-6, -8,0)
                Group{
                    scaling(2, 3, 2)
                    Cylinder
                    translation(-6, -8,0)
                    scaling(12, 2, 2.5);
                    Sphere
                    }
                }
            }
        }
    }
}

```

III. Screenshot

