CS 6334.001 Virtual Reality
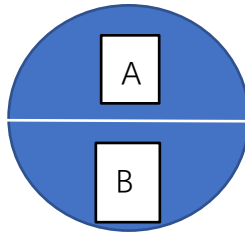
Homework 2: 3D Manipulation

Di Jin dxj170930

Weiming Li wxl170930

Scene

1. Our realistic virtual environment scene name is a ***Scene/Room.*** *This scene*

2. In this scene we have five 3D manipulation state:

Touch pad divided by 180 degree area

Name	Way to trigger	Condition
Open	Touch nothing and press nothing	The controller has virtual body that can go through object
Touching	Move controller on something like touching it	Can be transformed to holding and open
Closed	Press on trigger when touching nothing	The controller has physical body that can collide with object
Holding	Press trigger when touching something	Object is connected to controller and it moves will controller
Scaling	Keep press on touch pad	The held object will keep

	and move in area A to inflate object and move in area B to shrink when holding something.	inflating or shrinking according to y value of touch pad.

3. We have five object that can interact with

Name
TV
Radio
Bird
Two chair
Soccer Ball
Teapot
Plant