**Project Research**

**(Requirements)**

**Research what equipment is needed for running installation (PC specs)**

Decide what kind of computer will be needed to run / render our final design?

**- Windows 7 or 8:** Required for using Visual Studio or Visual Studio Express

**- Multiple USB Inputs:** Connect all of the external devices to the laptop

**- Kinect SDK:** To use the kinect on the pc

**- Strong Enough Graphic Card:** To display all of the particles and graphics properly

**- Enough Ram:** To run the installation without lag

**Research what equipment is needed for setting up the installation (peripherals)**

Decide what equipment will be needed to complete the installation (projector, screen etc)

**- Projector:** To display the scenes that users can interact with

**- Screen:** A solid and clean surface for the scenes to be projected onto

**- Kinect:** To detect the primary users actions

**- Speakers:** Allow users the hear audio generated from the simulation

**- Cameras:** Use for computer vision in order to detect secondary users

**- USB Extension Cables:** Allow all devices connected to laptop to be placed across atrium

**- Tape:** Make a square on the ground to designate primary user area

**- Extension Cord:** All devices requiring power can be placed across atrium