



Life In 360°

What are 360° Video/pictures

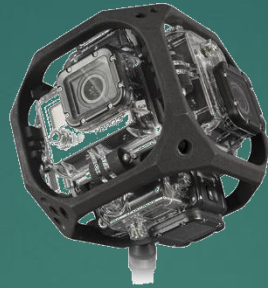
- ▶ 360-degree videos, also known as **immersive** videos or spherical videos, are video recordings where a view in every direction is recorded at the same time, shot using an omnidirectional camera or a collection of cameras. During playback the viewer has control of the viewing direction like a panorama.

Immersive

- ▶ Emphasis on the experience of being there
- ▶ May mean less interest in quality, information, or aesthetics
- ▶ Typically NOT 3D

Creation

- ▶ Multiple camera setup



- ▶ Dedicated camera

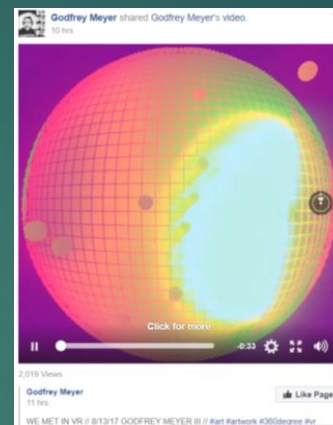
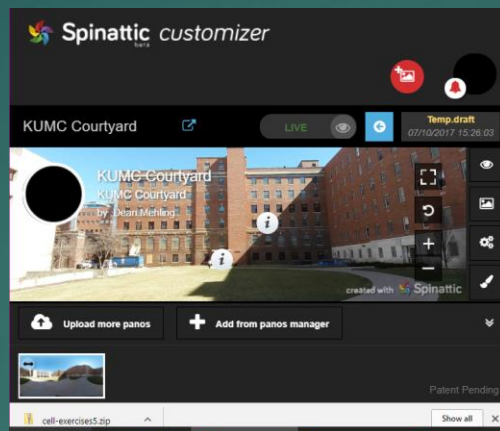


- ▶ Virtual

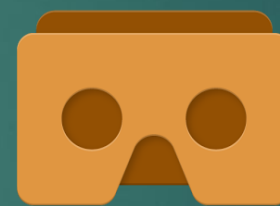


Playback

- ▶ Computer



- ▶ Mobile device



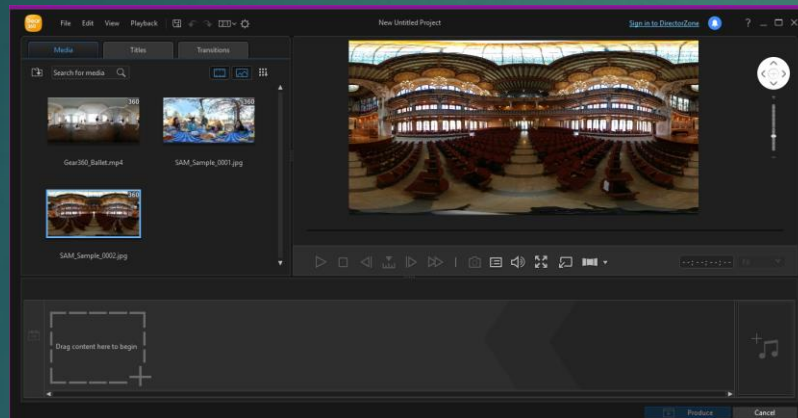
- ▶ VR headset



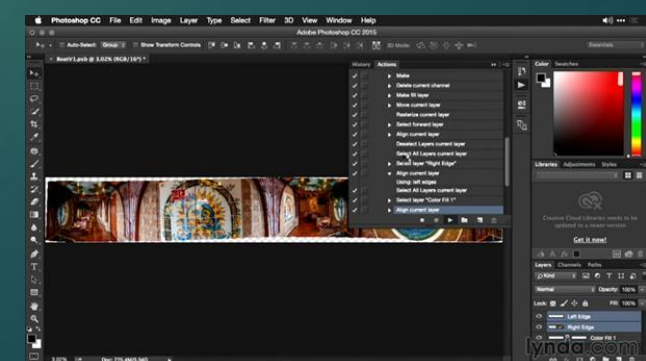
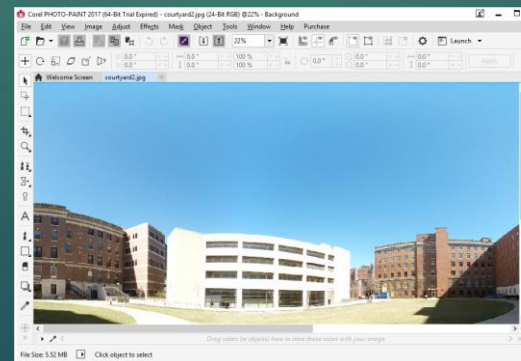
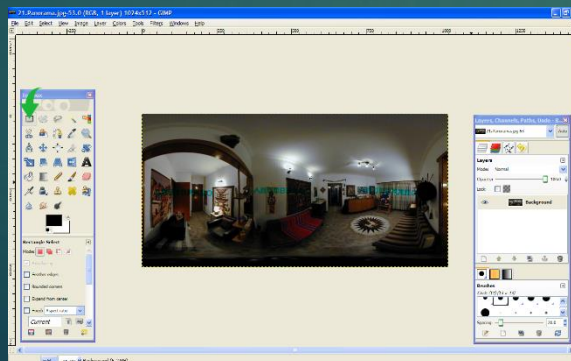
Editing

- Computer: Gear 360 Action Director, Adobe Premiere

Action Director



Adobe Premiere



Editing

► Mobile (Android)



Gear 360



Theta+



Collect

Sharing

- ▶ Facebook www.facebook.com
- ▶ Youtube www.youtube.com
- ▶ Spinattic www.spinattic.com
- ▶ EasyPano www.easypano.com
- ▶ Flickr www.flickr.com
- ▶ Google Photos photos.google.com

Applications

- ▶ Locations
- ▶ Tours
- ▶ Home visits
- ▶ Games/simulations
- ▶ Large activity/event/training
- ▶ Videoconferencing
- ▶ Vlogging/live streaming
- ▶ Immersive mobile apps
- ▶ Films

Examples

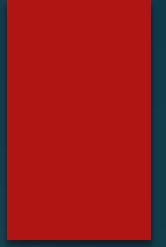
- ▶ Youtube playlist:

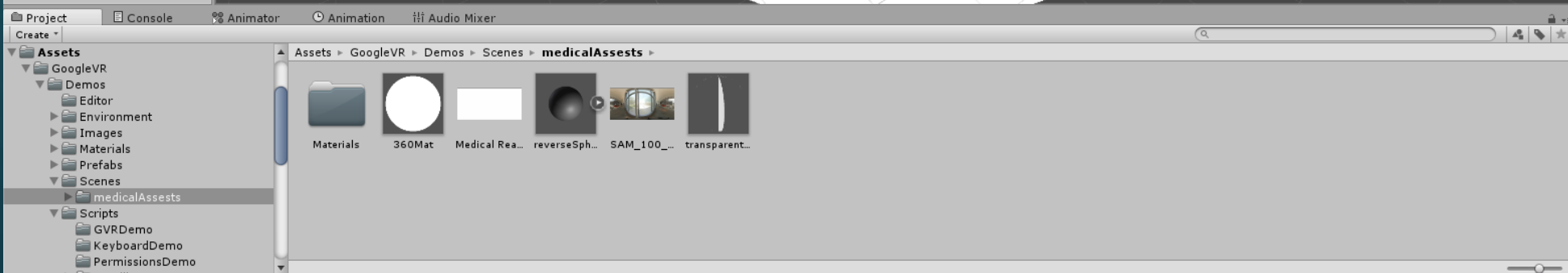
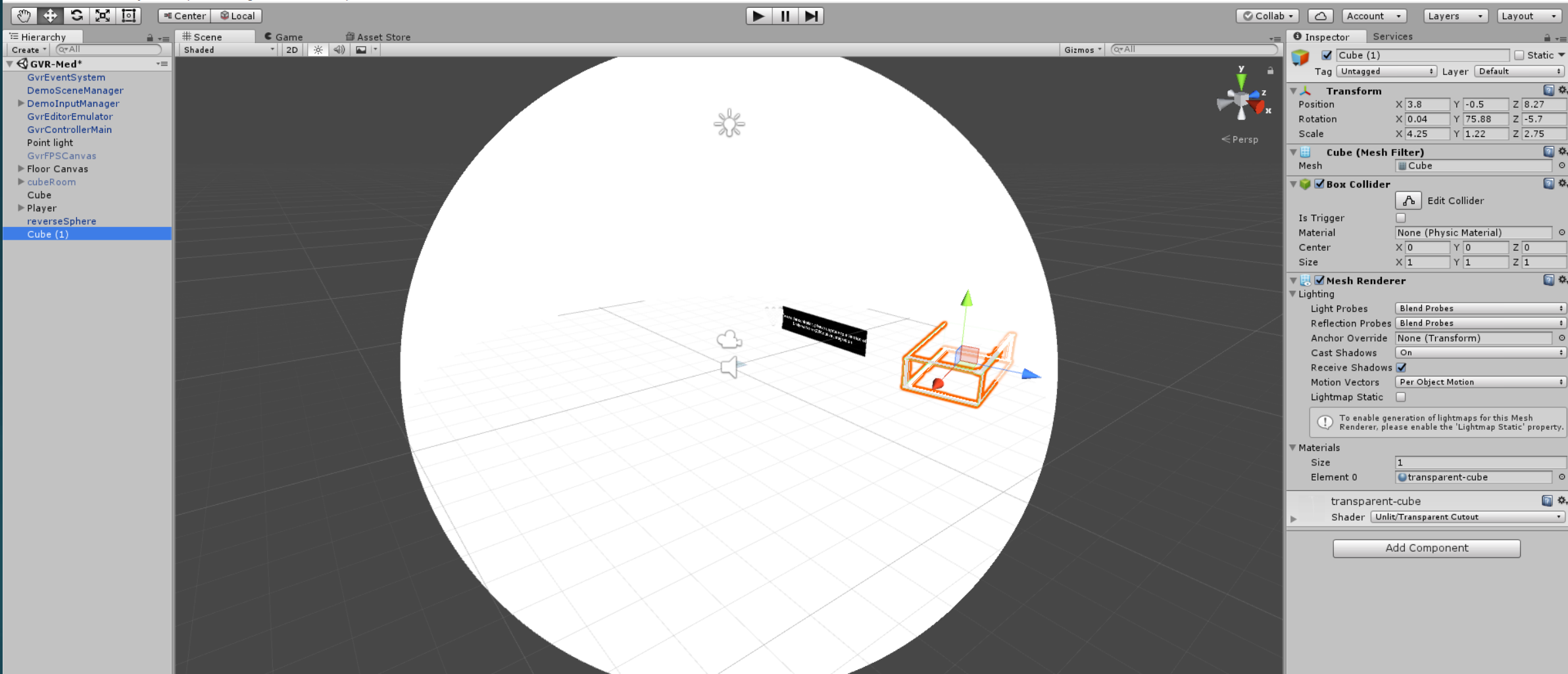
<https://goo.gl/P4w7Ge>

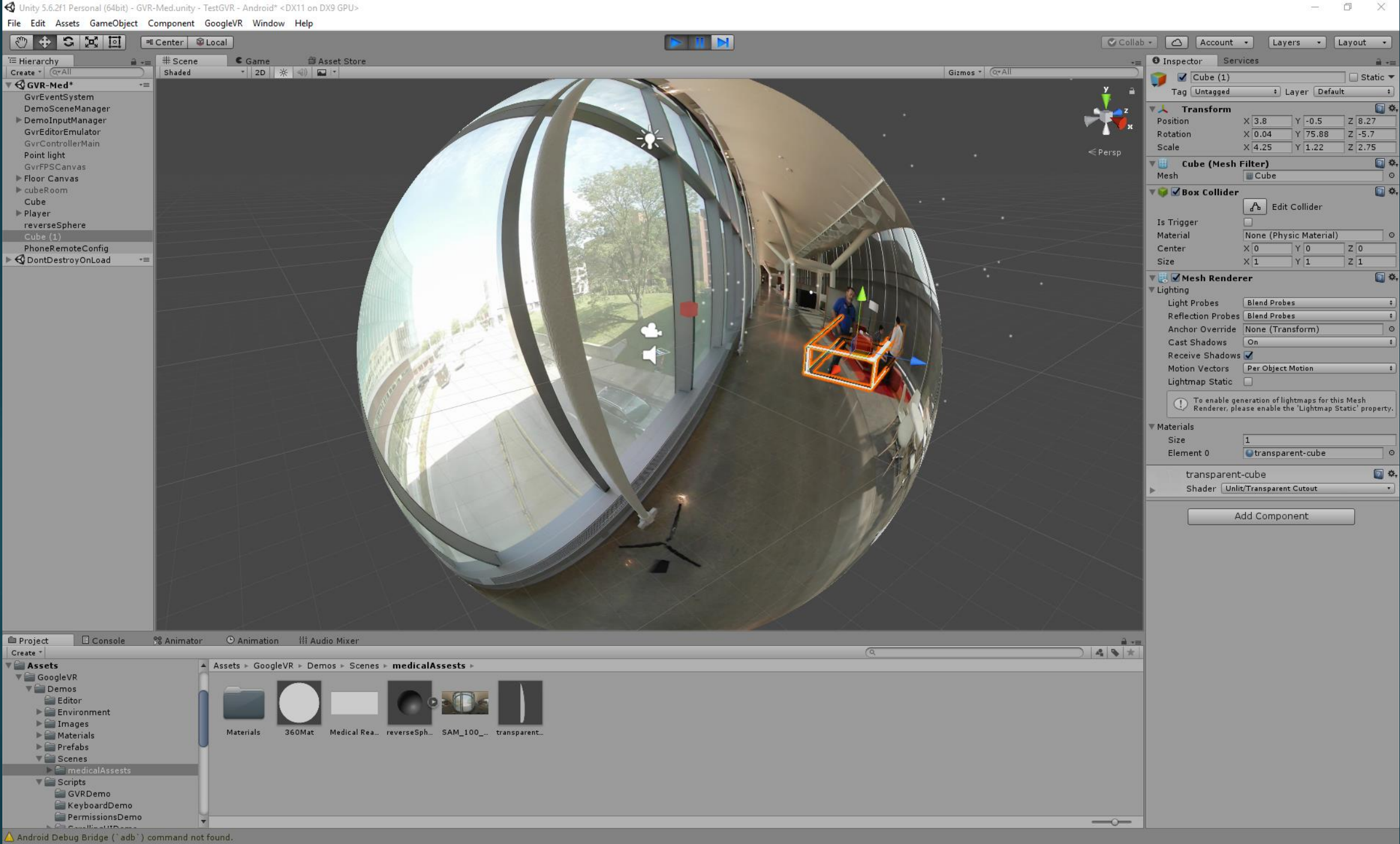
- ▶ Virtual Tour Practice Apartment:

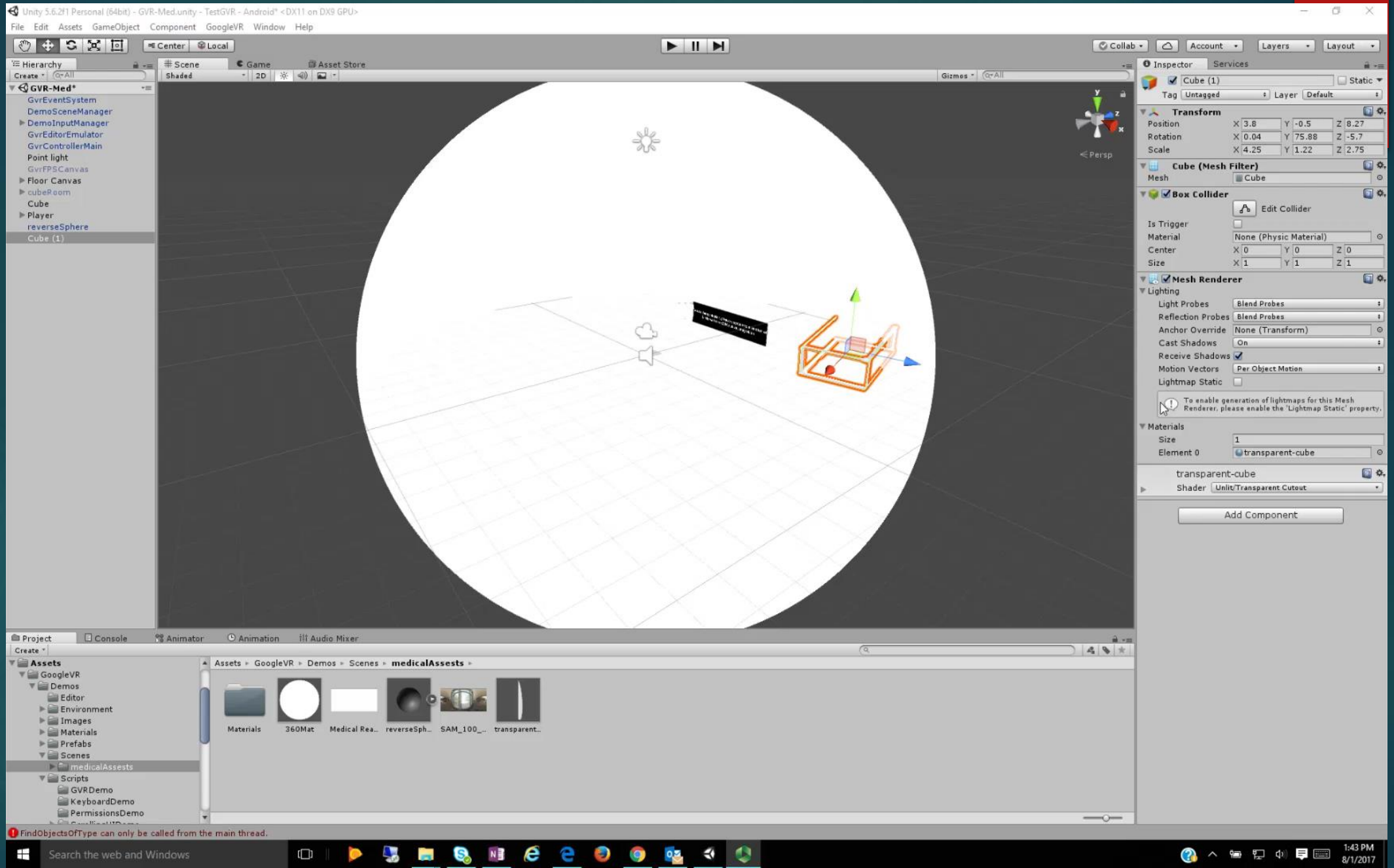
<https://www.spinattic.com/deanm/15267>

Interactivity









Interactivity - Tutorials

- ▶ Adding 360 video to Unity 5.6:
<https://www.youtube.com/watch?v=3IQDwl7IAXI>
- ▶ Google VR SDK for Unity:
<https://developers.google.com/vr/unity/>

Contact

- ▶ Dean Mehling, E-Learning Support Specialist,
KUMC
dmehling@kumc.edu
- ▶ Sonny Painter, SHP Educational Technology
Liaison, KUMC
spainter3@kumc.edu