

MICHIGAN STATE

U N I V E R S I T Y

Beta Presentation

Spectrum Health Virtual Reality Experience

The Capstone Experience

Team Spectrum Health

Jeremy Du
Anthony Flattery
Jordan Hill
Stefani Taskas



*From Students...
...to Professionals*

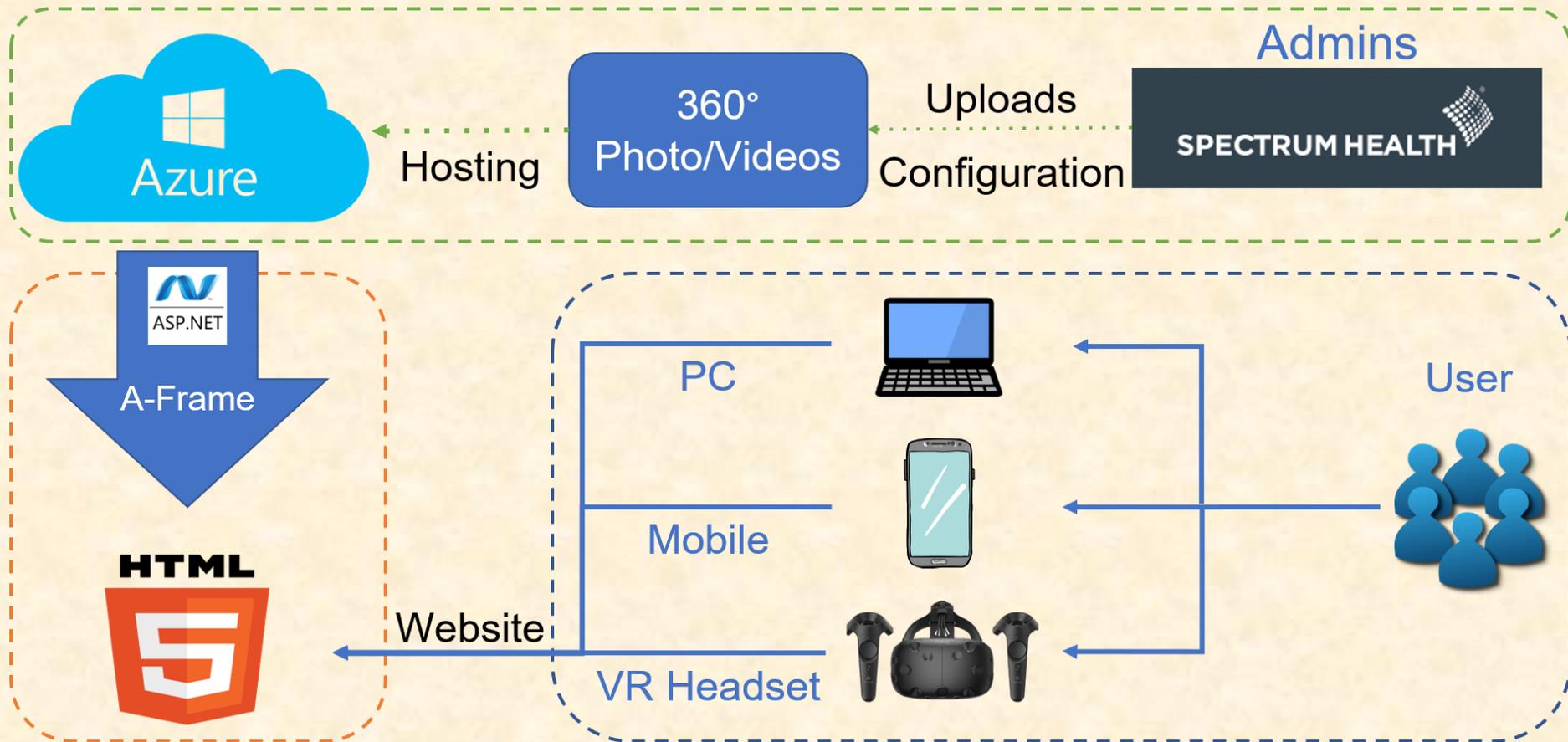
Department of Computer Science and Engineering
Michigan State University
Fall 2018

Project Overview

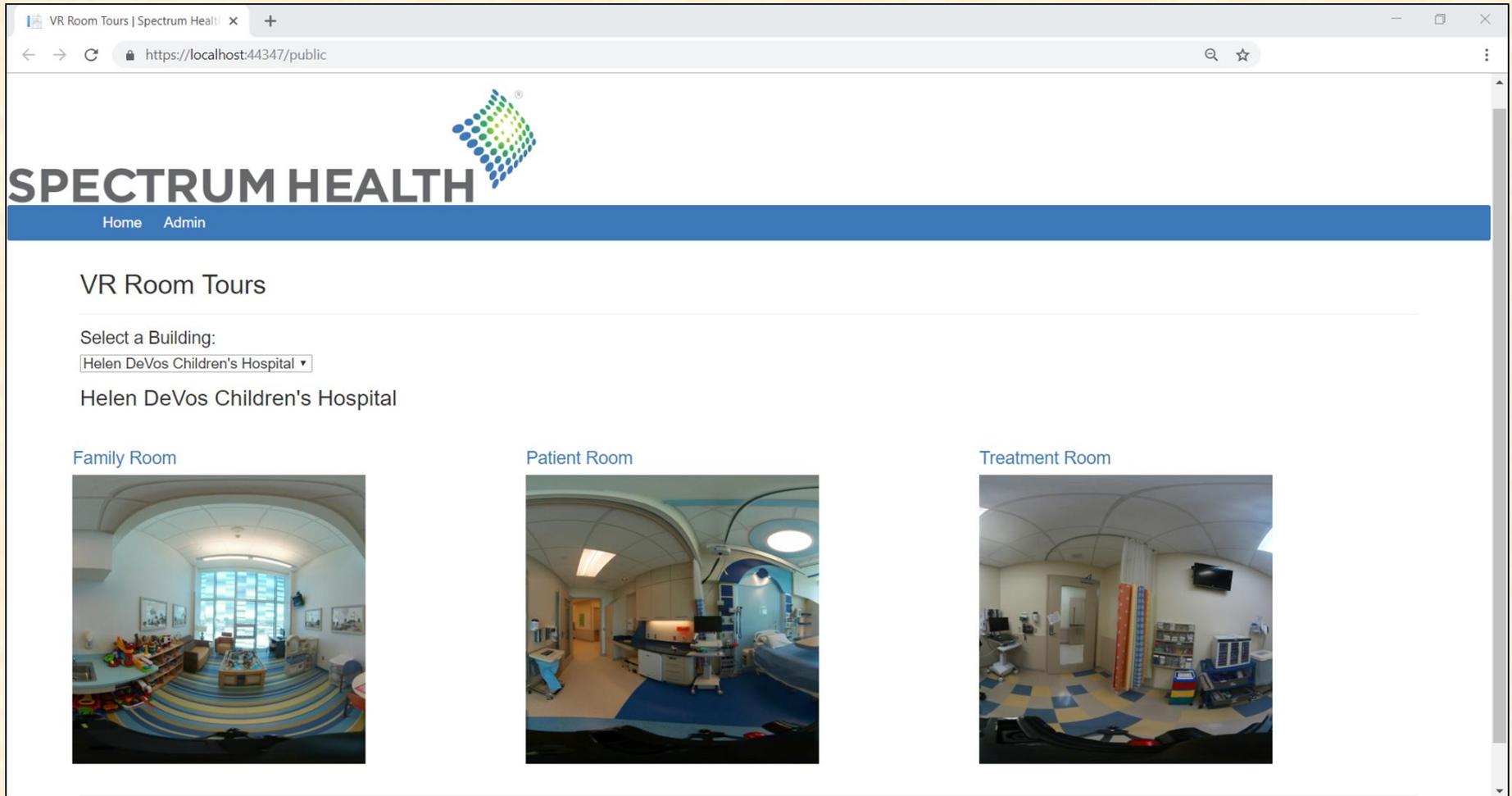
- Web-based VR tour of Spectrum Health facilities
- For patients and visitors curious about room layout and procedures
- Allows for 360° viewings of rooms
- Viewings will give detailed information on key items in the room



System Architecture



Public Homepage



The screenshot shows a web browser window with the URL `https://localhost:44347/public`. The page features the Spectrum Health logo, a navigation bar with "Home" and "Admin" links, and a section titled "VR Room Tours". Under this section, there is a "Select a Building:" dropdown menu currently set to "Helen DeVos Children's Hospital". Below the dropdown, the text "Helen DeVos Children's Hospital" is displayed. Three room tour options are presented as cards: "Family Room" with a photo of a playroom, "Patient Room" with a photo of a hospital room, and "Treatment Room" with a photo of a treatment area.

VR Room Tours | Spectrum Health | x +

← → ↻ 🔒 `https://localhost:44347/public` 🔍 ☆

SPECTRUM HEALTH

Home Admin

VR Room Tours

Select a Building:

Helen DeVos Children's Hospital ▾

Helen DeVos Children's Hospital

Family Room



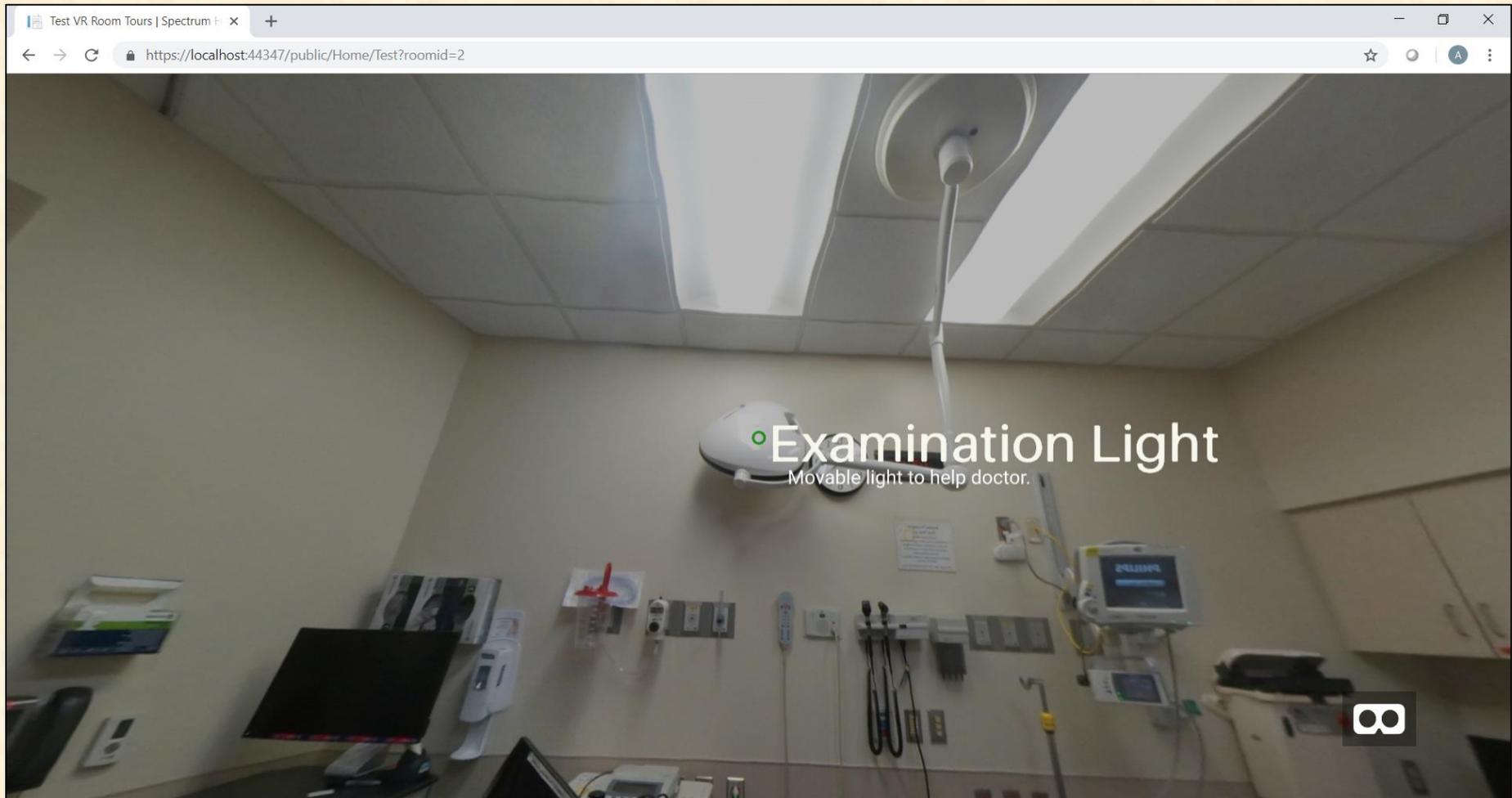
Patient Room



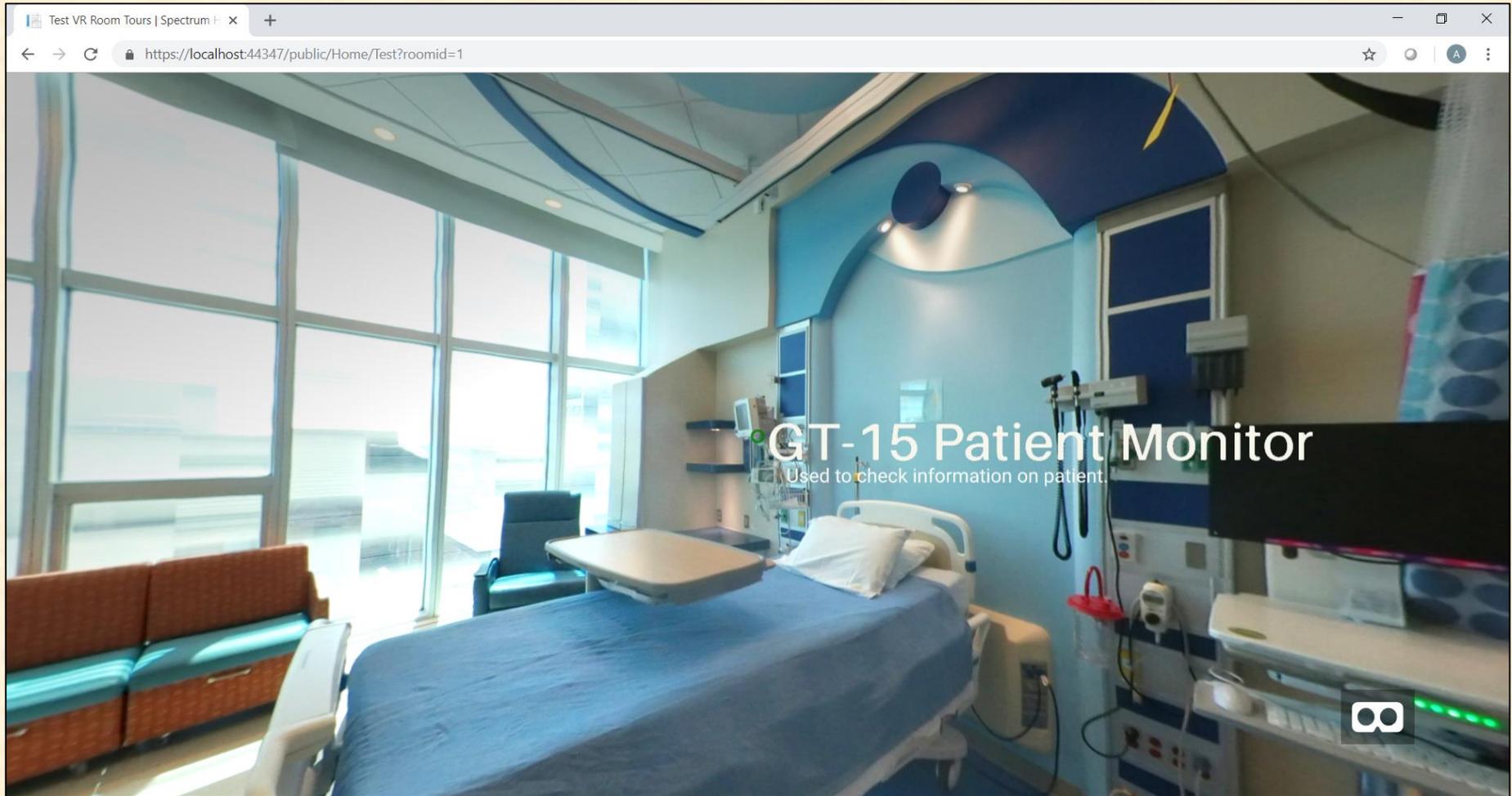
Treatment Room



VR Page 1



VR Page 2



Admin Page

- Admin Portal

https://localhost:44347/admin

SPECTRUM HEALTH

log out

VR Administrator Access



point1:322,293
point2:264,330
point3:264,293
point4:322,330

Upload one or more files using this form:

Choose File HDVCH Epileptic Room.jpg
Upload

Big Rapids Hospital

Room Epileptic Room

Add Hitbox to image

Selection Title Monitor

What's left to do?

- Additional browser support testing
 - Chrome
 - Safari
 - Firefox
- Device compatibility tests
 - iOS
 - Android
- Clean up code base and project
- Update search bar and dropdown menus



Questions?

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