Alpha Presentation
Spectrum Health Virtual Reality Experience

The Capstone Experience
Team Spectrum Health

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Fall 2018
Project Overview

• Web-based virtual reality navigation solution
• Visual assistant for patients and visitors
• Website access along with virtual reality capabilities
• Admin access and future scalability
System Architecture

- **Azure**: Cloud hosting
- **ASP.NET**: Framework for web development
- **HTML5**: Markup language for websites
- **A-Frame**: VR development library
- **360° Photo/Video Uploads**: Photos and videos can be uploaded
- **Configuration**: Customization options for Admins
- **Spectrum Health**: Represented by a logo
- **Website**: Accessible via web browsers
- **PC**: Desktop computer
- **Mobile**: Smartphones
- **VR Headset**: Virtual reality headset for immersive experiences
- **User**: End users of the system

The diagram illustrates the workflow and technology stack used in the project.
VR Room Tours

Select a Building:

Helen DeVos Children's Hospital

- Patient Room
Admin Page

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Admin Page
Admin Page

Hit Box Target

Coordinates in 2D

Labeling and Tagging information
Admin Page

Simulated Preview Image
What’s left to do?

- More accurate hitbox creation
- Refine website and mobile views
- Format uploaded content for use on public site
- Functional preview for selected image upload
- Link login functionality
- Merge Git code
Questions?