MICHIGAN STATE UNIVERSITY

Beta Presentation Oculus Rift Training and Inspection Tool

The Capstone Experience

Team Union Pacific

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Project Overview

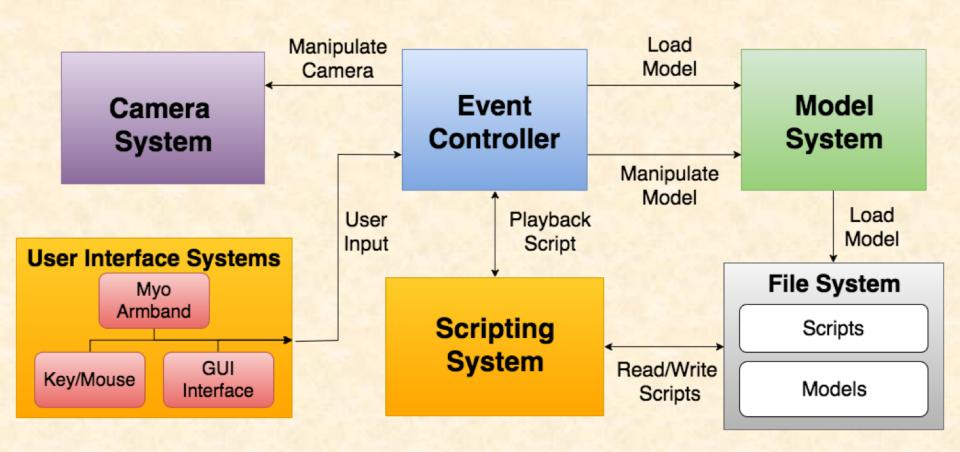
Freeform View

Guided Lessons

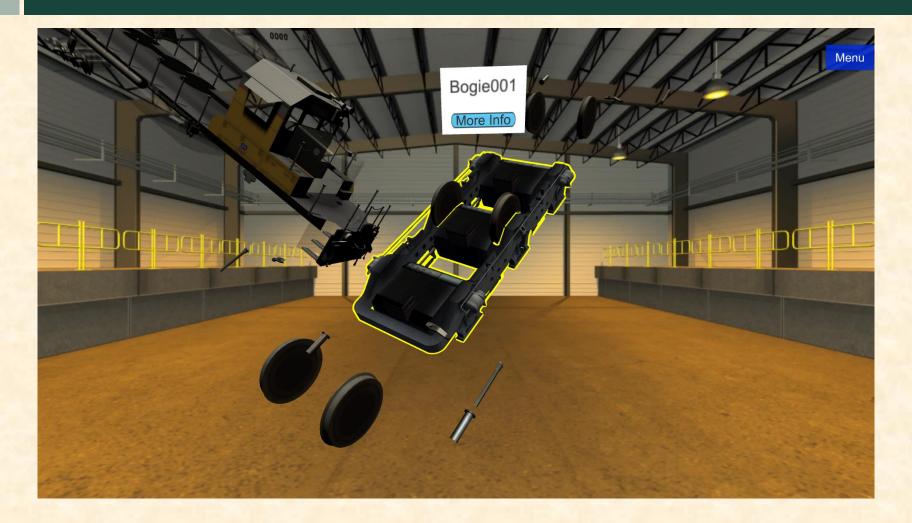
Objective-based Scenarios

Desktop and Oculus Viewing Modes

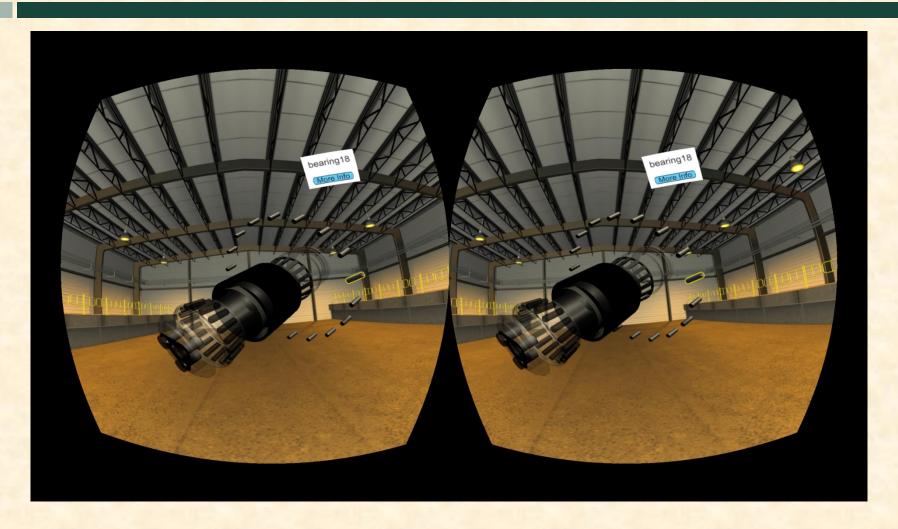
System Architecture



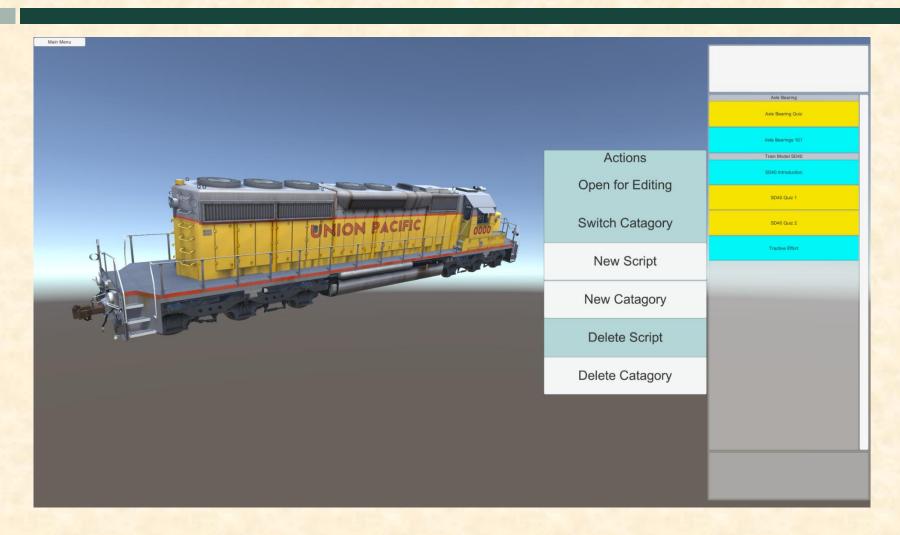
Subsystem of a Locomotive



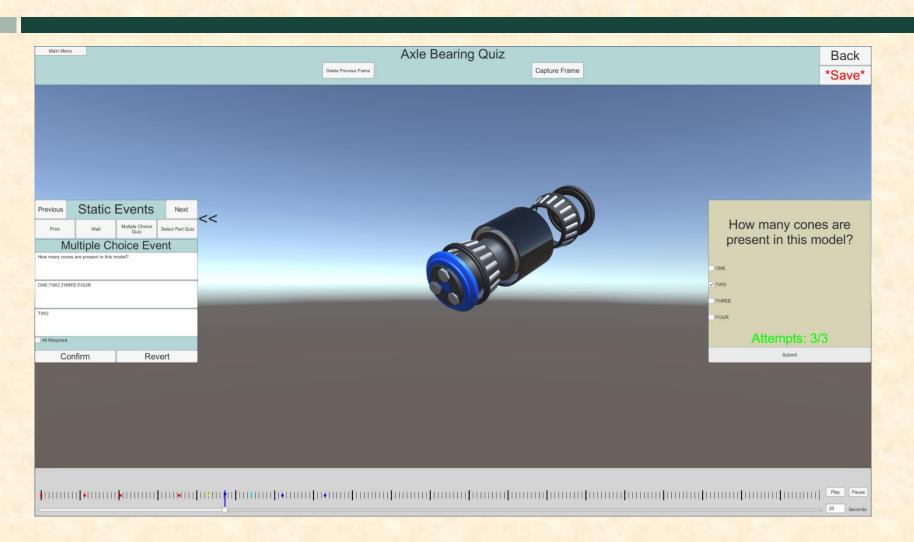
Oculus View of an Axle Bearing



Script Editor Menu



Creating a Quiz in Script Editor



What's left to do?

- Add a variety of quiz questions
 - Select broken component
 - Select an axle bearing

Update Oculus view based on user feedback

Project Video