MICHIGAN STATE UNIVERSITY **Beta Presentation** Virtual Reality Aircraft Walkaround The Capstone Experience **Team United Airlines Safety Caitlin Brown Jiachen Lin Ellie Locatis**

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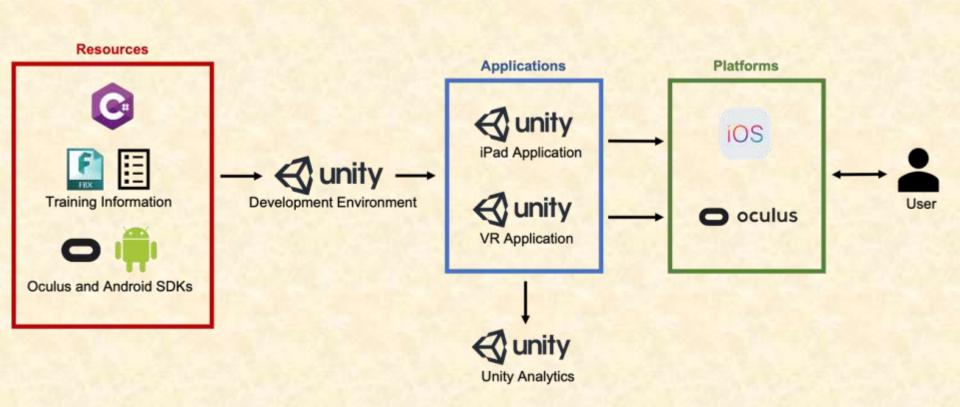


From Students... ...to Professionals

Project Overview

- Train technicians to spot aircraft defects
- Teach what to look for at various locations of the aircraft in training mode
- Grade ability to accurately spot defects in testing mode
- Available on Oculus Quest and iPad

System Architecture



Teleportation Points on Oculus



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Teleportation Menu on Oculus



Training Mode on Oculus



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Defect Information on iPad

Defect: Leak Location: Fuselage

Watch for leaks around the fuselage. There are various different types of leaks. Common ones to watch out for are hydraulic leaks and fuel leaks.

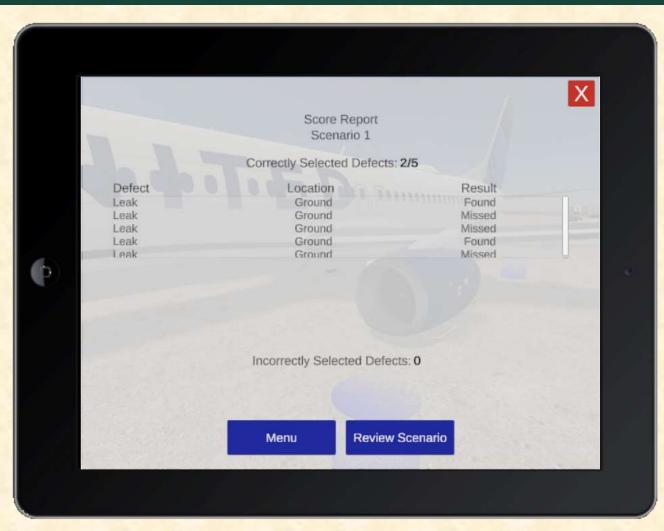
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Defect Marking on Oculus



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Score Report on iPad



What's left to do?

- Integrate text from the client in training mode
- Bug fixes
- Aesthetics

Questions?

