
Free Skies

Autism Virtual Reality Project

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Overview

Task(s) Completed:

- Creating question and answer box
- Gathering edited video and sample questions from the client
- Putting application on the Oculus Go



Task(s) Not Completed:

- Hosting a test run with the Scott Center
- Completing database



Meeting with the Scott Center

Met with Boyd Mark from the

- Scott Center to discuss progress
- Questions and script



Time	Action & Animation
0 – 2 sec	No animation
3 – 16 sec	Hand flapping, no animation
17 – 40 sec	No hand flapping, question #1 animation in view
40 – 47 sec	Hand flapping, no animation
50 – 56 sec	Repeating words, question #2 animation in view

Question 1
Which symptom of autism was this child demonstrating?

- a. Stereotypy
- b. Echolalia
- c. Toe tapping
- d. All of the above

Question 2
Echolalia is not a symptom of autism?

- a. True

Enable desktop notifications for Florida Institute of Technology Mail. X

OK No thanks

Question Bar

So based on the questions the scott center wanted to ask we have customized question bars for each questions

What is the child doing?

A. Playing

B. Studying

C. Singing

D. Not Sure

Oculus Progress

- Got a test application to load
- Found errors in our application



Video demonstration of Current Progress

So we would like any volunteer to come
See the build environment



Database

So currently This is our weakest section After talking to our Advisor we came up with two alternatives to work on

Oculus Desktop

Facebook Query language

Oculus Database

🚩 Oculus Desktop support

pros

It provides multi platforms

opens up to more DMS

cons

🚩 Not sure if it will work as a solution

Cost money

✅ facebook Query language

pros

Free

Documentation

cons

✅ none

🚩 It apparently supported by oculus

❌ fire base

Cons

❌ 🚩 Currently not supported on unity platform

Pros

provides all functionalities currently needed

🚩 😞 Change platform

cons

😞 Buying the oculus would of been a waste of time

🚩 learning associated with building new platform

Pros

Firestore becomes an option

Limitation Overview

Low documentation

Time constraints

Inexperience



Next Milestone [Over Christmas Break]

- Continue working on a platform for the Trainee
- Begin creating a platform for the Trainer
- Implement a pointer for the Gear VR
- Fix current errors in code
- Choose solution for work around database

ANY
QUESTIONS?

