Free Sky

The sky is not the limit, but your playground

Autism Virtual Reality Project

Milestone Evaluation

Members

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Faculty Sponsor

Dr. Keith Gallagher

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Client name

Affiliation: The Scott Center for Autism Treatment

Task Matrix

Task	Completion %	Gavin	Alanah	Jiaqi	What's left
Work on the trainee aspect and have a demo ready	60%	10%	40%	10%	Continue to Adjust as we move closer to final milestone
Work on putting notes on account	0%	0%	0%	0%	Revisit and see if we will be able to complete this component
Talk to the Scott Center about the update and current progress and ask feedback.	100%	33.3%	33.3%	33.3%	Schedule a meeting with the Scott Center representative and talk about the updates and current progress.
Create desktop application	20%	0%	20%	0%	Continue working on the desktop application.
Continue to work on the application of Database	100%	100%	0%	0%	Continue to Adjust but the deadline met

Discussion of each Milestone

Work on the trainee aspect and have a demo ready

So the team worked on finishing certain aspects of the trainee aspect such as putting in the scene for login into the environment. When putting this scene in we realized that the clicker was not responding to the button to login. Therefore we had spent time testing the buttons and making sure that the pointer was pointing correctly.

Talk to the Scott Center about the update and current progress and ask feedback.

So after not being able to get into contact with the scott center for awhile, they reached out to Alanah of the team. We met with them at their office and had a performance review with them showing them the progress with the video and the database and the plans for the web app. They were impressed with what we were able to do with one video and wanted to give us another one that we had talked about from the parents' side giving us two levels for our demo. However with the Corona Virus outbreak, this will not be possible as the timeline was against us.

Create Web application

From the web application we started by creating the web application component for login and signup. We stuck to the basic skeleton but showed that it can be done. We started to map out what aspects we wanted to finish for the online demo and how we wanted to go about it. Mapping out each new page and what it would take to complete that page.

Continue to work on the application of Database

So for this milestone we worked on the format of how we were gonna save the data for the demo and also worked on retrieving the information when a unique code it applied the scott center seemed to be ok with the fields and types we used to store user information and how we stored information for each right answer.

Work on putting notes on account

We might abandon this component with respect to the time that we have left. We wanted to work on this and other components but with the virus and us having to split up we were more focused on testing and making sure the components we had worked at there best for the demo.

<u>Discussion for each member contribution</u>

<u>Alanah</u>

Allahnah worked on programming the issue we found with the pointer not being able to register the button and not clicking it in the login screen for the Oculus. She also assisted in working on the main login page and assisted in testing the newer features of the software. She also was the one who started on the website part of the project.

<u>Jiaqi</u>

Jiaqi was focused on fixing a bug that the Scott center had identified during our test run with them. The bug was dealt with the second question disappearing before the answer was given. She also assisted in the testing and assisted in finding a way to record live videos in the oculus for the our demo

<u>Gavin Smith</u>

Gavin was responsible for testing on the Oculus since the team is currently separated and we have one Oculus. He tested and recorded the observations for the team to view over video where they could make the changes. He was also responsible for working on the database and researching how it can be implemented onto the webapp.

What Have we learnt From the Corona Incident

If anything we learnt that even in times when the whole country is in panic, work still has to go on. We were never in the same area but we had to use the resources that we had established from milestone one, such as Slack Unity team collaboration and emails and text. With one Oculus, our only physical device we had Gavin act as the main tester who would obtain new code over unity collab and test and provide a video output for the rest of the team to work with. The Corona Definitely threw our group off but we still decided that we have to move forward.

Task Matrix for next Deadline

Task	Gavin	Alanah	Jiaqi
Work on the trainee aspect and have a demo ready	Work on the database component of it. (33.3%)	Work on the VR side of it. (33.3%)	Work on the unity side of it. (33.3%)
Work on the Web application for the trainee and the trainer.	Review and give adjustment (33.3%)	Work on the trainee platform (33.3%)	Work on the trainer platform (33.3%)
Connect Database to new features	Work on connecting the database (33.3%)	Test the trainer features (33.3%)	Test the trainee features (33.3%)
Data Analysis Functionality test	Try to answer question in the	From the data generated, do data analysis.	From the data generated, do data analysis.

	video and generate data (33.3%)	(33.3%)	(33.3%)
Work on Demo	Database Component (33.3%)	Work on website component (33.3%)	Work on oculus component (33.3%)
Start working on the poster and journal	Work on journal presentation. (33.3%)	Work on the poster and presentation. (33.3%)	Work on the poster and presentation. (33.3%)

Work on the trainee aspect and have a demo ready

This milestone is focused on just working out the small bugs we have currently with the platform**.**

Work on the Web application for the trainee and the trainer.

This will be our main focus and will revolve around how well we can work together using the git platform as our work platform. The web application encompasses all trainer aspects

Connect Database to new features

This aspect is making sure that both the web app and the oculus are connected through the database and the users are able to push and pull requests.

Work on Demo

This aspect of the milestone is to focus on getting good video qualities to show the proof of concept in action not just for the class but for the scott center

Start working on the poster and journal

This milestone is more of a new initiative that will be done over video call so that we can all put our input on the final poster.

Date(s) of meeting(s) with Client

March 18 2020

Date(s) of meeting(s) with Faculty Sponsor during the current milestone: …

No meetings as we have not been able to meet throughout the virus and being split into different areas.

Sponsor feedback on each task for the current Milestone

Notes

Faculty Sponsor Signature: _____ Date: _____