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5 Sept 2017

CPSC 491

HW1

Areas of research

Pedometer(Me), Mapping(Holly), Markerless vs Marker AR(Harvey)

Pedometer

I found numerous tutorials for pedometers. They accessed the accelerometer within the phone. I believe I can rewrite this code in C# and place it within the Unity engine. Here are the tutorials and websites I found.

Asset store offers pedometer plugins that can be purchased

Gyroscope class in UnityEngine.

<https://docs.unity3d.com/ScriptReference/Gyroscope.html>

Pedometer tutorial

<http://www.gadgetsaint.com/android/create-pedometer-step-counter-android/#.Wa1xiciGM2w>

This code is in Java. Perhaps we can rewrite it in C# and implement within game by adding text to the screen.

It will need to run in background. We will probably need to expand on capability.

Other tutorials

<http://blog.bawa.com/2013/11/create-your-own-simple-pedometer.html>

<https://www.youtube.com/watch?v=pDz8y5B8GsE>

Information about iOS step sensor

<http://pinkstone.co.uk/how-to-access-the-step-counter-and-pedometer-data-in-ios-9/>

<https://makeapppie.com/2017/02/14/introducing-core-motion-make-a-pedometer/>

GitHub Repository: <https://github.com/hhartwell/ARCampusWalkingTour->

Meetings are every Friday at noon.

Sponsor Questions:

Questions:

Will this app be used within the classroom for learning?

Who will the main users of this app be? (Focused more on parents or students?)

Will the app be combined with zagweb?

How will the app be distributed?

Will there be a web component to the app?

Will the history be a general history of the area, or will it be in depth?

Will the app be combined with other history projects and research (such as Crosby House), or will it stand alone?

Will this app have funding or a budget?

• Narrowed Down Questions:

◦ Who will be the main users of this app?

‣ Will it be more parent focused or student focused?

◦ Does this application need to be Android focused or IOS focused?

◦ What are the main must-have features the app needs?

◦ How will the app be distributed?

◦ Will we have access to the history that we are implementing into the app?

◦ Does this app need to interact with other projects on campus or just on its own

◦ What is the funding situation for this project?