CS 480 Meeting Monday, November 6, 2017

Compared gps locations between apps - will have to keep experimenting

Catching up Wayne:
Dr. Graham had a mySQL database - we need to make the database - wayne wants to know what is stored in it - each tree is stored, species, user collected data, formatted and sent to USGS who is interested in - stored indefinitely
when does Graham want it sent to USGS? at what point in the process

Wayne - interfaces, has been working with XML and HTML as well as JavaScript
Team organization - open, democratic style
need to research what we need GPS, how the interface is set up, how QT works, databases - whatever we are interested in
SQLlite

Winter plan - Prototype out by the time we present - really rudimentary, test on one tree maybe, each one of us takes a piece of the framework and work on it over break

Looking at presenting at Source - in May most likely, speak with Szilard
Everyone work on SRS and come up with questions for client tomorrow

Group trees of the same species if they are too close?
Have user choose trees if they are too close together?
RFID chips? Pretty cheap. Come up with budget with Dr. Graham - we could use them only where they are needed where trees are too close
use a bunch (100) requests from user device and average the location to get close to true location
Bijan is going to make an app and test if his solution will work

slider to represent leaves on a tree - have a visualization, that will change with slider to match with tree

looking for graphics libraries to use for art and design of app

could have it so that users only select certain trees
wants users to add new trees?

SRS will have known challenges
need to figure out the game that he wants, should be super simple and not make it too difficult, might not be feasible for our app in the time we have
Dr. Graham likes the geocaching aspect as well as the competitive aspect

each season can be a game "season" each tree has to be found with a leaderboard and when the season ends everything gets reset and the trees go back to hidden - keep people interested and coming back

more the data you collect on the tree the more points you get and if you have the most points you own the tree - fight your friends for the trees

hard mode - descriptions to find the tree are user based
have the person who owns the tree - actually hide the tree for other users

have a compass and distance measurements - need super high precision

ask him what the locations are, excel document is kind of confusing

did client figure out if there was a database device solution

Group meeting in 218 Mondays at 3:30
next meeting with Dr. Graham Tuesday Nov 7 at 3:30
next meeting with Szilard Thursday Nov 9 at 2?

Team name ideas:
Team Tree Huggers
Best Buds