CS 480 Client Meeting November 7, 2017

150 special trees that have plaques memorial trees, unique species and we will get the information on that –a different professor – she also wants data on the trees – will not be phenology related but other information

For example are the students using them, are they pretty are they in good conditions – will have students to come up with information on these trees to give us some data different information

Content generators are his students – they will do the brute work

Has latitude and longitude – originally had the trees in a different information

Talk to Dr. Graham about GPS solutions for locating trees – talked about RFID – issue that some people might not have the reader in the phones – has used QR codes before

Some sort of rule for the game – that the user has to be in a certain range of the trees In order to claim and find them

Doesn’t know how well the wifi receivers will work had issues with it the last time he worked on the project – issues with buildings in the way

GPS can drain battery pretty quickly – Dr. Graham says wifi can be even worse – key is to pull location less frequently – think about whether the app will need to run in the background or only in the foreground – expensive but not too bad

Will work on getting the 150 species to give ecology students the task of collecting the data on the trees – fun facts for the user to see –

Game – told graham about the online leaderboards with hidden trees where the users have to find them and seasons based upon the real seasons – seem to really like the idea

As long as we are students here we can allocate database but once we leave they will get rid of it – Dr. Graham will see if they have

Data limit concerns – if they use all the data if they can’t use the app outside of wifi – save data locally and once they are in internet range push it out as frustration free as possible

Pull IMEI from device – use phone number to keep track of account

When and how do we send data to Phenology department – probably have API – might have to be a manual data dump – need to be able to send it out in a

Explaining to Wayne about the people who want the data based upon the Phenology stages – everything about trees is changing with climate change – want a bunch of people to collect this data so a game is a great solution

If they are the same species users can collect data on them at the same time – ignore them or have user decide on which one they want or have a riddle – tree trivia – “treevia”

Eventually want users to be able to add trees – could be many problems with this – if they have enough points they can go out and find trees but not low users – or if enough users say it is a tree – have them not be able to if trees are too close

Can spend points to hide trees if they have enough – Dr. Graham – we want people to see the trees – there are hot times during each season and it could be hard to keep track if trees are hidden to users – maybe have windows where they can hide it – map begins empty and hidden

Battle for trees if they have enough points to own the trees – Graham seems to like the idea – fight over being the “duke” of the tree – some kind of animal pun here?

Have a prototype ready to go by the end of the fall quarter

Is Dr. Graham interested in Source – Hell yes – push the app – plug it into CWU website and central today and the burg

Dr. Graham will look into the I drive and db access – run it off machines on the network – ideally CWU will provide some space – have CWU color

NPN – National Phenologist Network – Natures Notebook

Something heroic about the app – showing people how they can have fun and collect very helpful data – eventually have website – information about what’s going on

Naming ideas:

FloraCaching?

TreeCaching?

Hide&Tree?

TreeHuggers?

Server ideas – cannot access I drive anymore, there should be some free solutions – Dr. Graham will let us know

Ghost tree – maple tree plaque but there is a spruce growing there now – could be an Easter egg

Need Ellensburg ghost story – for something spooky

Someday maybe expandable to other campuses – Also make Dr. Graham a super user so that he could interact with the database and the app and make new trees

Dr. Graham is Google Play developer has an account – has more photoshop icons that are large maybe – doesn’t care if new icons and pictures are made or if they are reused but they need to be changed

Option to use wifi or their own data

Catch walnuts to get more points – count the bees – save the bees