Fieldwork Time Log

Student's Name: Abby Grella_____   **Fieldwork Project: IOT waterbottle/app**

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Mentor's Name: Jim Cartmell_____

Date	**Correspondence**: Provide a record of each time you correspond with your mentor (phone & email) and the topic of your conversation.
10/25	Talked about using cordova and SAP U15 libraries. Talked about interacting the device with social media as well.
11/2	Emailed Jim to tell him I had installed Cordova and watched the 60 min informational video he sent me about aws IoT. I let Jim know that I learned how to command the computer to create numerous directories and have looked at visual basic which is said to compliment cordova and I asked Jim if this information was accurate.
11/3	I asked Jim if we should be using node.js or bleno instead of Cordova since the video used them and they connected very well with aws.
11/14	I sent Jim a drawn diagram of my current plans for how the project would look.
12/8	Emailed Jim and asked him how I should go about using the style sheets to create an animation and background to the splash page.
12/30	Emailed Jim to inform him that the link was not working and asked for suggestions on how to fix the navigation between the logon and splash pages.
12/8	Updated Jim on my progress and asked him in what specific ways I should be using the style sheets. I asked him if I should be editing in sublime or if I should be editing with the microsoft windows editor for developers.
11/18	Jim sent a zip drive to help me create the splash, logon, get report, menu and report pages. Jim gave advice to look up pages at w3schools for help if I needed it.
2/6	Informed Jim that I had registered for an AWS online seminar session. Also asked if we could meet again after vacation.
2/18	Jim sent helpful links to help start up the button and found some better directions for getting the button started and running. He told us to use wizard and cloudformation.
2/20	Sent Jim the notes taken during the webinar and let him know about the videos found on youtube that we watched to help with the setup.

| 2/21 | Asked Jim if we should use the MQTT or the HTTP for the protocol. We also set up a meeting.. |
| 2/22 | Informed Jim that we had set up the button and are trying to figure out the timing of the button. Long sips vs short sips etc.. Also tried to determine what press used for empty bottle vs replenishing water supply. |

Date	**Fieldwork with your Mentor:** Provide a description of all work completed under the direct guidance of your mentor.	Number of Hours
10/19	Met with Jim at Panera and discussed where to begin, what program we would be using, what we would need to buy, and if we would be connecting the device via bluetooth or wifi. Jim also explained that we should use an aws iot button that you could press while drinking water and would send/ store data to aws (amazon cloud) and then the data would appear on the phone app.	2 hours
11/18	Met with Jim at Panera and discussed how we would be using sublime to edit the code. Jim explained the process of the different pages of the app- the splash page, logon page, get report page, report page and log off page. Jim explained how to use the css style sheets to edit the design of the app and emphasized how I would need to be familiar with javascript, node js, and html. He told me that I needed to create an AWS account and began explaining different designs of the button and how it could interact with the water bottle.	2 hours
11/20	Jim sent me a zip drive of the code needed to put in sublime. This code is the basic structure/ outline of the application. With not much success at first, Jim and I emailed back and forth on how to fix a problem of the splash page not opening how it should.	1 hour (spent trying to fix splash page problem)
2/18	Jim sent some links for help with the button setup. The links were useful in determining how to get the button connected to the cloud and running properly.	1 hour (reading the instructions and setting up the button)

Total Hours _____

Date	Independent Fieldwork: Provide a description of all fieldwork you complete independently.	Number of Hours
10/31	Successfully installed cordova. Learned how to create some commands. I commanded cordova to start a new project and saved a project into directories which was super neat!	1 hr
11/1	I went to evothings.com and also installed the app on to my phone. With evothings, I was able to use my computer to send examples of different code to my phone and look at them while browsing the website and reading instructions. I looked at a bunch of code samples and looked at how the commands were typed, what format was used etc.	1 hr
11/2	Began a coding class on code academy. This is teaching me how to write java script which was cool. I learned punctuation for coding and how to add in certain variables. I completed two chapters. I also watched the informational video that Jim sent me which was about an hour long on using aws and IoT and further explaining how everything was done. I took notes and wrote down questions that I would ask my mentor.	2 hrs
11/23	Began editing in the style sheets using microsoft editor. I changed around the font types and sizes and the width of the letters. I also watched a few videos on youtube (each 15-20 min in length) on how to add backgrounds to the splash page. I ended up installing a bunch of unnecessary programs such as a visual studio editor, a simplified version of photoshop and a few others that were recommended by the videos. None of these programs were too much of a help and I decided I needed my mentor's help/ advise on how to add images to the program.	3 hours
12/8	Watched a pretty helpful video on coding for 30 minutes that I found on youtube.	
		30 min
12/27	Created first animation! found some code on a website called "classroom code"! The animation was super cool (I have a video of it and wanted to add it to my artifacts but found it hard to attach). The animation had four boxes moving in a square path changing color from red to orange to green to purple.	1 hour
12/30	Added a background image (finally)!!! I also encountered a problem with navigating from the splash page to the logon page. It took me a while to figure out what the problem actually was (it was an extra "/" and ".html"). Finally got the navigation path working again..	2.5 Hours

2/8	Listened in on an hour long web seminar and took notes on the AWS IoT getting started and what the button and AWS can do.	**1 hr**
2/19-2/21	Set up the button. Connected it to bluetooth on the computer on both my laptop and my dads. Watched videos on the setup process and created AWS Iot account. Downloaded airdroid (andriod simulation on the computer) and connected my dad's andriod to it.	**4 hrs**
2/26	Sent a text message to my phone and explored the AWS cloud. Looked at the data tracker for the device and explored the buttons functions	**I hr**
3/4-3/6	Worked on creating the IOT sign in, username and password page	**4hrs**
3/21	Simulated graphs with the IOT button on the AWS database. I was able to do this by pressing the button and it added data to the page. The most tricky part was connecting the button and getting it to add data to the database.	**2 hrs**

Total Hours   _____

Fieldwork Log: Progress Report Rubric

NOTE: Completion of 20 hours of fieldwork under the guidance of a mentor is a required component of the ALP. Students cannot successfully complete ALP without having fulfilled this requirement.

The following rubric is an assessment not of your fieldwork but of your fieldwork log and its contents.

Correspondence	5
Students has included a record of all correspondence with their mentor since their last fieldwork log submission.	5

Fieldwork with Mentor

Dates	5
Each entry in the log includes the specific date that the hours were logged. All dates are current and include all fieldwork since the last fieldwork log submission.	5

Hours	5
Each entry in the log lists how much time you dedicated to your fieldwork during those individual dates. Hours are included for all fieldwork completed since the last log submission.	5

Descriptions	15
Each entry includes a detailed description of all aspect the project that were worked on during each individual date. Descriptions are included for all fieldwork since the last fieldwork log submission.	15

Independent Fieldwork

Dates	5
Each entry in the log includes the specific date that the hours were logged. All dates are current and include all fieldwork since the last fieldwork log submission.	5

Hours	5
Each entry in the log lists how much time you dedicated to your fieldwork during those individual dates. Hours are included for all fieldwork completed since the last log submission.	5

Descriptions	15
Each entry includes a detailed description of all aspect the project that were worked on during each individual date. Descriptions are included for all fieldwork since the last fieldwork log submission.	15

Overall progress toward end project	Exemplary	Acceptable	Making Progress	Limited Progress
Student is making acceptable progress toward the mid year goal of 8 hours work on their project.	X			

*Late assignments will be penalized 5% per day late).

Comments:

Points Received: _____55/55