Adam Schaible

CS4360

5/5/20

Meeting the Five Abilities

1. **Synthesized learning thru critical analysis and logical thinking**

* At the beginning of the project I mapped out the benefits of finding lost hikers as well as ramifications of potential negative aspects that our hiker finding app would have with my team, which included privacy risks to users data and in order to counteract that user data was placed in a secure database.
* For the hikers side of our application I utilized my prior knowledge of method overriding to create a custom view in Android Studio, because the existing toString methods could only reference memory addresses.
* On both sprints 1 & 5 presentations I reflected on that what kept us on track to making progress towards obtaining our minimum viable product while facing occasional setbacks was that we used a combination of strong team communication and paired programming.
* By evaluating Travis CI through testing and critical analysis I realized that it was both not possible and a waste of time to try to integrate Travis CI into our Android project.

2. **Applied theoretical constructs to practical applications**

* Utilized my knowledge of Kotlin to create the itinerary page for the hiker side of our application.
* Utilized prior knowledge of Bluetooth in building the Bluetooth checkpoints for our application.
* Utilized prior knowledge and experience with Travis CI to initially integrate it into the hiker side of our application.
* Utilized knowledge of databases during the implementation of the Spring Boot back end.

3. **Critiqued philosophical tenets and current practices**

* Realized there was a need to make the hiker data secure for privacy issues and discussed with the group and the solution we agreed on was to make the data more secure through using Spring Boot.
* Discussed with the group that society would find it overall beneficial to find missing hikers and that there would only be a small group of society that would be inconvenienced by a missing hiker that was found while they were still alive.
* Discussed with group that the hiker login should be made secure to protect privacy and it was agreed on that we would do this thru Firebase.
* In light of recent events I realized that it is possible that law enforcement could use our application to see if anyone is violating any sort of travel ban and after considering this I believe that users should be made aware of this thru some sort of notification.

4. **Integrated and refine oral and/or written communications skills**

* Used oral skills to reflect upon team ongoing processes during my presentations on sprints 1 and 5 demo day presentations.
* Refined communication skills by learning to use Microsoft Teams for regular team meetings and paired programming when face to face team meetings were no longer possible.
* At the end of each Sprint I reflected with the group on what went well, what did not go well and on how to improve upon that which did not go well.
* Used Slack communication to replace lost regular face to face meetings in addition to Microsoft Teams.

5. **Verified your expertise**

* Assisted others in the meeting of their sprint goals.
* Helped with testing of product functionality through its developmental stages.
* Helped with planning of sprints.
* Minimal viable product in was completed in Sprint 6, known as Trek Points, which is able to find and locate missing hikers.

Contributions to my team for this semester

**Sprint 1:**

Trello Board for this sprint: <https://trello.com/b/JRiDQbRN/sprint-1>

My completed Trello board stories for this sprint:

* Install Android Studios (1 HR)
* Create the itinerary page (5 HRS)
* Get Familiar with Kotlin (2 HRS),
* Set up a time tracking for yourself (1 HR)
* Familiarize with boilerplate code (1 HR)

GitHub contributions for this sprint:

My commits for the creation of the itinerary page to <https://github.com/lruizarce/Last-Seen/tree/Adam>:

1/31/20 - AdamSchaible committed “Merge pull request #2” from lruizarce/master – commit 936cae0

2/2/20 - AdamSchaible comitted AdamSchaible “Practice run for building the front end”

commit d602dc1

**- Note:** The front end page is the itinerary page. On Feb 05, 2020 I worked with Darey Lee to combine the itinerary page with the update information page, sign up page and login page and Darey committed those changes under his branch at <https://github.com/lruizarce/Last-Seen/tree/>

Darey with commit # f178f29585eef0788fb7f0ace87deb040a44218b as “Itinerary page overhaul”

Additional team contributions for this sprint:

1/29/20 – Assisted Darey Lee in the writing up of the project proposal

2/08/20 – Put together Sprint 1 presentation

2/10/20 – Presented presentation on demo day

**Sprint 2:**

Trello Board for this sprint: <https://trello.com/b/o5c0JD6w/sprint-2-2-10-2-23>

My completed Trello Board stories for this sprint:

* Spring Boot back end (5 HRS)

GitHub contributions for this sprint:

At <https://github.com/lruizarce/Last-Seen/tree/Adam> :

2/17/20 - AdamSchaible committed “testing Travis” commit - 3d4cdb9

2/18/20 - AdamSchaible committed “another Travis experiment” commit - cf472df

- Note: 2/17/20 and 2/18/20 commits were to see if Travis testing could be integrated with Android, the attempts to integrate Travis did not work for me and Ron Aparicio, so in future sprints we ended up using Circle Ci to test our Android programs.

- Note: On 2/24/20 Darey Lee and I worked on the Spring Boot back end, Darey pushed our work to his branch and the 2/24/20 GitHub contributions below are the result of our paired programming. At <https://github.com/DareyKLee/Last-Seen-Server>.

2/24/20 - DareyKLee committed “Heroku Deployment”

commit 8ae988fa093dbe56b20cb3f71b7c33a524e4bf7d

2/24/20 - DareyKLee committed “Heroku pom.xml fix”

commit d8769070faf31e74ac8d7e39032303f88d2eea4d

2/24/20 - @DareyKLee committed “Heroku pom.xml change”

commit 54a7e51e962361d2dcf61895f120160e37b42c6b

Additional team contributions for this sprint:

2/19/20 – Made overview slides for this sprints demo day presentation

**Sprint 3:**

Trello Board for this sprint: <https://trello.com/b/SAAqCwzl/sprint-3-2-24-3-9>

My completed Trello board stories for this sprint:

* Scan Bluetooth devices (8 HRS)
* Scan on a set interval (5 HRS)
* Log data with Timestamp (5 HRS)
* Bluetooth discovered devices displayed (3 HRS)
* Learn about BT with Android (3 HRS)
* Filter discovered devices (3 HRS)

GitHub contributions for this sprint:

**-** Note: The remaining 2/26/20 and 2/27/20 commits below are related to removing the previous Travis installation that I had installed on my branch from the previous sprint. The 2/26/20 and 2/27/20 commits are from <https://github.com/lruizarce/Last-Seen/tree/Adam>.

2/26/20 - AdamSchaible committed “no longer needed, Travis is a dead end” -commit 9f77383

2/27/20 - AdamSchaible committed “update” - commit 545901b

2/27/20 - AdamSchaible committed “update” - commit db3d3da

- Note: On 2/26/28 and 2/28/20 Darey Lee and I did paired programming on the Trello board stories that I completed this sprint, Darey pushed our work to his branch on 2/28/20 and 3/2/20, the GitHub contributions on the next page are the result of that paired programming. At <https://github.com/lruizarce/Last-Seen-Checkpoints/tree/Darey> .

2/28/20 - DareyKLee committed “Bluetooth discover functional”

commit 5af6e4287bf8519588ff24d816546f65675a4547

2/28/20 - DareyKLee committed “Filter function implemented”

commit b55ecae19f016d9b6c536afd503e9caa7d278d4e

3/2/20 - DareyKLee committed “Added logging functionality and interval execution”

commit 912ad09b76074a0a452222d481716ec6451f1aec

Additional team contributions for this sprint:

Setup Ron Aparicio’s phone with the Last Seen hikers app so he could use his phone to testing the hikers app.

**Sprint 4:**

Trello board for this sprint: <https://trello.com/b/p5mpk5Wn/sprint-4-3-10-3-30>

My completed Trello Board stories for this sprint:

* Filter page (5 HRS)
* Sprint planning (1 HR)
* Test Bluetooth range (1 HR)
* Set up Microsoft Teams (1 HR)

GitHub contributions for this sprint:

- Note 3/16/20 commits below were at <https://github.com/lruizarce/Last-Seen/tree/Adam>

3/16/20 - AdamSchaible committed “filter\_page to be used for rescue app”

commit d8e44db0f995565b9a9a6ab821948df3ffd48a62

3/16/20 – AdamSchaible committed “made updates to filter page”

commit 988dbcdb14061e10cb8c53d5967b87b3afa408a6

- Note 3/18/20 commit below was placed at <https://github.com/aparicio-ronald/Last-Seen-Rescuer/tree/Adam>

3/18/20 - AdamSchaible committed “Added filter page”

commit e35bebb21b5c83a26f285d99e108f7f28a65cd18

Additional team contributions for this sprint:

3/26/20 – Wrote up summaries of what the selection page, filter page and Bluetooth page did and how they worked together in the Rescuers app for the PowerPoint presentation that we did on demo day.

**Sprint 5:**

Trello board for this sprint: <https://trello.com/b/a8kdE7F9/sprint-5-3-31-4-13>

My completed Trello Board stories for this sprint:

* Sprint Planning (1HR)
* Connect Selection page to back end to find relevant profiles (5 HRS)
* Connect Bluetooth page to back end to retrieve itinerary information for a given profile (5 HRS)
* Include functionality to return all profiles that fit a criteria in the back end (5 HRS)

GitHub contributions for this sprint:

- Note: On 4/1/20, 4/6/20 Darey Lee, Ron Aparicio and I did paired programming, Darey pushed our work to his branch on 4/1/20 and 4/6/20 as well as I pushed our work onto Darey’s branch on 4/6/20, the GitHub contributions below are the result of that paired programming. Darey’s branch is at <https://github.com/aparicio-ronald/Last-Seen-Rescuer/tree/Darey> .

4/1/20 - DareyKLee committed “added functional http requests to server on selection page[”](https://github.com/aparicio-ronald/Last-Seen-Rescuer/commit/9cd3be6da74bc1d6fd065cd08595e5c7540308df)

commit 9cd3be6da74bc1d6fd065cd08595e5c7540308df

4/1/20 - DareyKLee committed “fixed listview formatting”

commit 635638509d40ba5abb5690b9790f40a6ea7659c8

4/6/20 - AdamSchaible committed “Updating BlueTooth page”

commit 08653854963c26695f8c08103e299a5160d98403

4/6/20 - DareyKLee committed “optional filtering functionality”

commit 3610a733e67a24d0279aeb17ee3efe43bf257c7e

Additional team contributions for this sprint:

4/9/20 and 4/10/20 put together sprint presentation for demo day and presented for demo day on 4/13/20.

**Sprint 6:**

Trello board for this sprint: <https://trello.com/b/6RdQgqVK/sprint-6>

My completed Trello Board stories for this sprint:

* Pair Programming (2 HRS)
* Send Bluetooth request to checkpoints from rescuer application (5 HRS)
* Send reply from checkpoints to rescuer application (5 HRS)

GitHub contributions for this sprint:

Did paired programming with Darey Lee on 4/15/20 and 4/29/20 on sending Bluetooth requests to checkpoints from rescuer application and sending replies from the checkpoints to rescuer application and Darey pushed our work with the following commits.

5/3/20 – At <https://github.com/lruizarce/Last-Seen-Checkpoints/tree/Darey> DareyKLee committed “reply with log data” commit 4b52900eb594ebe69793519d497c51a78ce64ec7

5/3/20 – At <https://github.com/aparicio-ronald/Last-Seen-Rescuer> DareyKLee committed “test for get log data” commit b9252611a5f53f2aca4e701b8bacf6cbae662fbd

Additional team contributions for this sprint:

5/6/20 – Helped Darey put together an overview of how all of the different Trek Point components work with each other for the final presentation for demo day.

**Time sheet and total hours**:

My time sheet is posted at [https://github.com/AdamSchaible/timesheet/blob/master/CS%204360%20Adam%20Schaible%20timesheet.xlsx](https://github.com/AdamSchaible/timesheet/blob/master/CS 4360 Adam Schaible timesheet.xlsx) and this includes a breakdown of the hours that I spent on CS4360 this semester. My hours are also posted in my groups time sheet at [https://docs.google.com/spreadsheets/d/1QBI1KklN-KUgk54tnsgF\_WRdadsuIuhobKSQnE6\_Kpc/edit#gid=0](https://docs.google.com/spreadsheets/d/1QBI1KklN-KUgk54tnsgF_WRdadsuIuhobKSQnE6_Kpc/edit" \l "gid=0).