

Sprint 3 Report

Prepared by: Corey Rice, Jacob Stone, Jhoseph Ruiz, Jon Hoeve

Intended Progress

Team LiveConnect started this sprint by adding features to the skeleton framework of the app. The notification system, the polling feature, the website implementation and refining the map feature to allow for a better user experience were worked on.

Corey's goal was to finalize any integration between the two apps and work on the notification feature afterwards. The goal was to merge the apps into one for a better demo experience. The next goal was to create a notification system

The goal for Jacob was to create the app polling feature inside the messaging feature. This feature has evolved into an epic and involved emailing professors for help, researching polling methods within an application and dividing up the polling feature into a single choice option and multiple choice options. Jacob was also tasked with helping out the booking feature with all other group members but since this sprint was very short, we were not able to accomplish progress on this feature.

Jhoseph was in charge of Refine Map with Search functionality, and Notifications services for this sprint. The first task was successfully completed and delivered. However, Notifications Services was not completed. Since this Sprint time frame was shorter, this task became an epic, and it also was splitted into 2 smaller tasks called: Research about Notification Services in iOS, and Create a Notification View Controller Structure.

Jon was tasked with creating a basic website and getting a start on the booking feature for restaurants to use when booking a meeting. These tasks involve Jon creating a clean and easy to use web interface for everyone. The website contains a variety of tabs and features.

Progress Reflection

Corey has been enjoying the task of creating a peer to peer framework for the app but has experienced some difficulties when it comes to xcode and firebase. Even though xcode gave him some troubles at the start, Corey has worked with xcode a couple of times in the past and knows how to overcome some of these obstacles. That being said, he has already learned a lot from the first sprint and is looking forward to sprint two as the app will be adding more features that will bring new challenges to overcome.

Jacob is less than satisfied with the progress he was able to make with the polling feature. He hoped to finish the feature before the end of this sprint but because of bugs and a shorter time frame for this sprint was not able to do so. Jacob noticed that this sprint was not the best for the group in its entirety because of midterm preparation for other classes but is hoping that the next sprint will be better since spring break has given group members to relax.

Jhoseph is satisfied with the progress he made working with the Map features. However, he is not completely happy because he was planning to make some progress working on Notifications services, but due to the problems previously mentioned he was not able to. He also noticed that the group was overwhelmed with Midterms week, and was not able to make its planned progress.

Jon has been struggling to work on the project due to illness and other classes taking up most of his schedule. He's been struggling to get his part done and is turning in most of his stuff right before the deadline. Jon is determined to figure out a schedule which allows him to give proper time towards the project within his busy schedule. Jon feels he has been letting his team down and plans to make up for the struggles he's been having.

Problems Encountered

Corey encountered a few problems when implementing the p2p. Most of the problems stemmed from implementing the messagekit package onto the project file. MessageKit takes care of all of the behind the scenes UI elements, spacing, scrolling, and other features so it was very important to get this working to cut the p2p messaging workload more than in half. It took a lot of research and work to get messagekit to function properly on the project. Corey found a good tutorial with some copyright free to use starter code that jump started his section of the project. Corey learned a lot about packages and dependencies through the process of solving this problem.

Jacob was struggling when figuring out how to make the polling feature. So he asked for help from his professors that taught him more about app development. After getting in touch with professor Dulimarta, Jacob was able to make a rough outline of how to attack this problem. Jacob believes that his work is on the right track but still has some bugs to it so his work will be committed to the bug branch of development in the Github Repo tonight. He is hopeful that the problem can be solved within the coming sprint

Jhoseph was having problems with showing current user location, display places after typing within the search bar, and managing time during Midterm exams. He also mentioned not completing his second tasks about Notification Services. Besides that, he noticed that the group (including himself) is still struggling with implementing every new feature into the latest repo. He thinks this problem is slowing down the group progress because it is an ongoing issue that we keep encountering every sprint. As far as the authors are aware, we have not found an

appropriate solution for implementing/merging new features all under a single main Xcode project. Instead, we opted to add each of them manually.

The main problem Jon faced was he never created a website before and it was definitely a steep learning curve for him. He ran into many issues getting the formatting and links to look and run properly. Jon had done some work in a previous class with web development but he plans on doing more research to allow him to create the best website he can and have a website that users will enjoy using. There has been many speed bumps in the project so far but Jon plans to go all out in the last couple of weeks in hope to prevent any future issues from arising.

Projected Progress

After finding a very helpful p2p tutorial Corey found the work in this sprint manageable. There was good communication within the team that when there were questions that needed to be answered there was always someone willing to help. When Corey was first starting, Jhoseph was willing to jump on a call and help him research firebase functionality and messageKit usage. Corey is confident in his group going forward with the app as everyone is willing to tackle difficult tasks and take on the challenge that can come with creating an iOS app.

Jacob is hopeful for the next sprint to complete the main functionalities of the app with more features being added. Jacob expects to finish all functionalities of the polling feature within the next sprint. Jacob is prepared for the group to make finishing strides within the upcoming sprint to make a more functional and user friendly app for public use and polish existing features of the app.

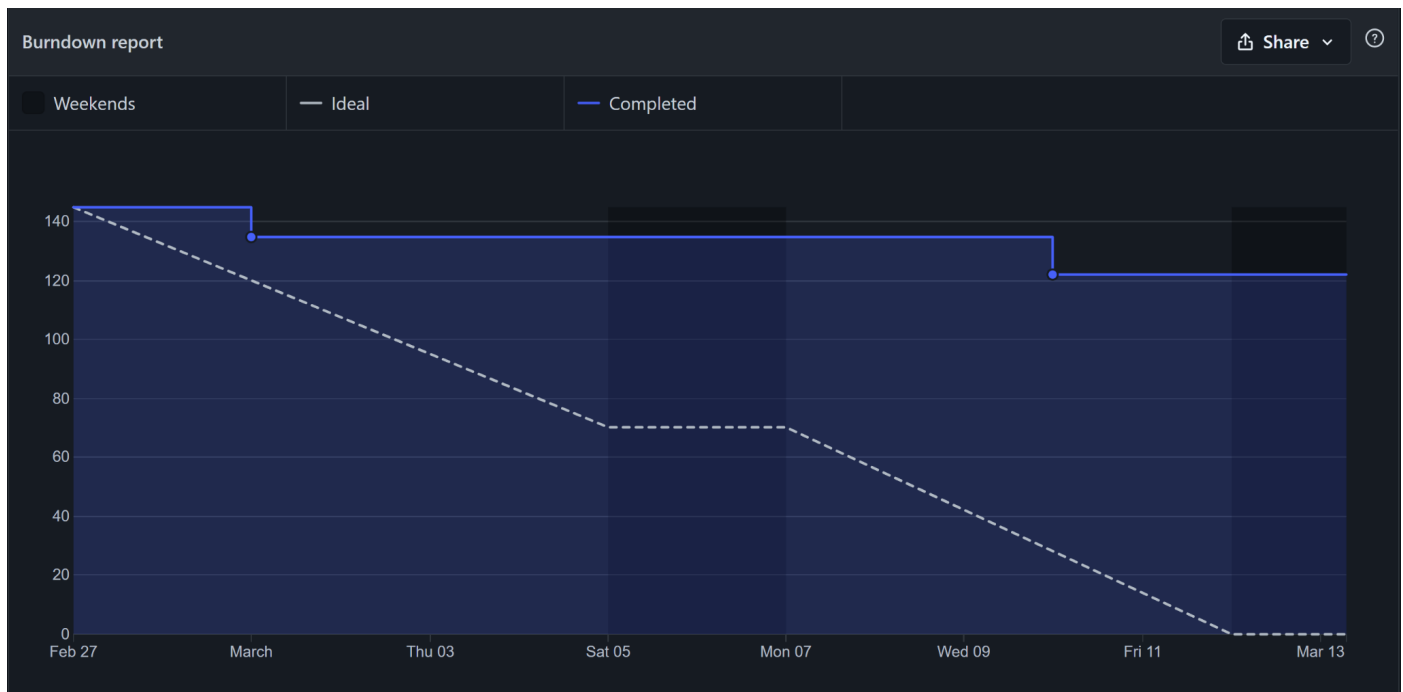
Jhoseph expects to finish Notification Services features along with its subfeatures by the end of the upcoming sprint since Sprint 4 focus mainly in polishing features, and fixing any bugs. He believes the group will be in better shape.

The team decided to split up the work into different features. Each member was assigned to create or update a feature of the app. The progress made on the app has been great with each member doing their part. Jon believes that he will be able to put more time in focusing on making progress on the project with his schedule becoming less busy. Overall, Jon is pleased with the progress on the app but feels he needs to do more to help the team out and get his parts done quicker.

Update of Burndown Chart

While the team wasn't close to their expected burndown as they would like, the main reason behind it was failing to mark a task complete as soon as it was done within the original sprint time frame. There were also some outside factors that played a part in completing the tasks at

hand. Since the sprint deadline was moved to wednesday instead of monday, the sprint burndown chart is slightly skewed as some tasks were finished within the last few days of the sprint but the burndown chart does not accurately represent that. The team plans to be more on top of closing tasks as soon as they are finished. Since most of the tasks were shown to be completed last second, the team also plans to split the tasks into smaller detail tasks to the main task. Allowing for things to be closed earlier and not at the last minute.



Issues Created for Sprint 4

- Refine polling feature code
- Notification Services was push to Sprint 4
- Refine Messaging Service to Allow for Group Messaging was pushed to Sprint 4
- Connecting or merging everyone's work

Sprint 4

- Polish polling feature to allow for multiple choice responses
 - Coordinate with professors help to refine feature in working order.
- Polish web application to allow establishment to manage/view bookings
- Polish events list to allow for different sorting methods
- Notification Services
 - Research about Notification Services in iOS
 - Create a Notification View Controller Structure
- Refine Messaging Service to Allow for Group Messaging

- Continue Working on Booking Feature
- Fix any remaining bugs

Teamwork Reflections

Corey has

Jacob was happy with the flexibility of the team to accomplish the main goals of the group. After determining specific roles for everyone in the group, Jacob was able to make progress on the polling feature during the one week sprint due to spring break. This sprint was difficult in the sense that it was really only one week of work but the work made had to be equivalent to two weeks worth. He believes that with spring break done, more work will be able to be accomplished since everyone has had a helpful break in between classes.

Jhoseph has noticed a lack of communication and progress from some members of the group. But, he believes midterm week was the reason for such behavior. He also noticed that merging every new feature under one project will continue to be a struggle for the group performance. Other than that, the team seems to be getting back on track for Sprint 4.

Jon has enjoyed working as a part of the team. Everyone is very understanding and helpful when it comes to the busy schedules we all have. The communication has been great with the various ways we have to communicate. There is a lot of flexibility when it comes to the tasks we assign. People often help one another or swap roles to fit their strengths more. Jon enjoys the support he's getting from the team which is encouraging him to work harder and be more on top of things.

Conclusion

To conclude, the team was able to finish the website design, refining the map functionality and make decent progress on the notification and polling features. While it may not be exactly where the team wants to be with this sprint, the team is confident that they can pick up the pace within the next sprint to finish the main features of the app.