**Sprint Report #3**

**Date**

Sprint Start: 21.01.2024

Sprint End: 30.01.2024

**Overview**

All team members participated in this sprint.

**Backlog - Items planned for developing**

**User Story 1: As a client, I want to use Google Authentication to log in.**

Frontend:

* Shapeable Image Google Logo - 1 story point

Backend:

* Firebase Authentication Connection - 4 story points
* Add Google Client to Database - 3 story points

**User Story 2: As a client, I want to see the username of the admin in the details page of the event which I’m participating in.**

Frontend:

* Reorganize the Event Details Page for participants and feed in order to fit admin username - 1 story point

Backend:

* Retrieve admin username from the database - 2 story points

**User Story 3: As a client, I want to be able to rate and see the rating of a location.**

Frontend:

* Designing the popup for ratings on the map page- 1 story point

Backend:

* Making the stars change color influenced by what the user clicks - 1 story points
* Adding a default rating attribute to every past declared instance of SportLocations - 3 story points
* Calculating the new rating and setting it up in the database - 3 story points
* Displaying the new rating in the create event page - 1 story point
* Displaying the new rating in the Event details page - 2 story points

**User Story 4: As a client, I want to receive notifications when another user requests to participate in an event that I created.**

Backend:

* Create a function triggered when a new participation request is added to an event - 3 story points
* In this function, send a notification to the event creator using Firebase Cloud Messaging (FCM). - 6 story points

Frontend:

* Handle incoming FCM notifications and open the requests for that specific event (pending intent) - 3 story points

**User Story 5: As a client, I want to be able to click the notification of a message I received and automatically access the chat.**

Backend:

* Extend Firebase Messaging Service class. - 6 story points

Frontend:

* Handle incoming FCM notifications and open the requests for that specific chat (pending intent) - 3 story points

**User Story 6: As a user, I want to receive a notification after each event that sends me to review the venue I went to.**

Backend:

* A function that runs in the background to check if any event finished since last checked. - 3 story points
* Check if the user is registered for the event - 1 story points
* Extend Firebase Messaging Service class. - 4 story points

Frontend:

* Handle incoming FCM notifications and open the location for that specific event (pending intent) - 3 story points

**User Story 7: As a user, I want to change my profile picture.**

**User Story 8: As a client, I want to change the picture of an event.**

**Items added:**

* New API Key for Maps API
* New addition in Service Class in database
* Review option
* Rating stars
* Mappopup.xml
* Google Authentication
* Admin username on Event Details page
* Addition of google client to database
* Addition of rating to database

**Items removed:**

* Old design of the Event Details Page

**Status of planned items**

**Items done:**

* Location rating functionality
* Google Authentication
* Event Details page update (with admin username)
* Notifications for requests

**Items unsolved:**

* Changing the picture of an event: eliminated from the project
* Solving error when trying to review a location opened from a notification

**Sprint Review**

**Progress:**

There has been a lot of progress among all teammates. We have successfully implemented authentication through Google. Incorporating the process of rating a location. Displaying new information in the event details page, such as the name of the admin and the rating of the location. The users receive many more notifications with more functionalities with this new version, such as being able to click on a notification to be led to the chat. Also, a user receives a notification after an event they participated in is over to remind them to review the venue and be directed to that page.

**Limitations:**

Due to lack of time, we decided to give up the feature regarding the user changing the photo of the event. We still have to solve the error regarding the opening of a review page from a received notification.

**Sprint Retrospective**

**To improve:**

One aspect that we should improve is error handling when a new feature is created.

Another aspect could be communicating more efficiently between members upon using GitHub to clone/pull projects.

**To change:**

We had to eliminate the feature that allows the user to change the photo of the event. Had we managed to improve our time management skills, this could have been avoided.