Sprint Software Development Management Artefacts

(Sprint 5)

**Introduction**

This Sprint's goal is focused in improving the UI/UX experience of the users by creating static components that are server-side rendered before the actual components loads completely. Also this sprint includes new mandatory features that have been omitted so far but are relevant to the user in order to have a complete and geniune journey with our application.

**Planning**

This sprint actually started on the date of 9th of December(earlier than planned) due to the possibility of having little to no free time for this project's development. At the same time, the project finished on 21th December(earlier than expected) due to the professionalism of the involved members.

**Capacity**

In this current sprint, the members of the team that took part in the development process of the application are:

* George Florea - FullStack Developer + Project Manager (15/25 story points)
* Sergiu Stanciu - FullStack Developer (10/25 story points)

**NOTE:** With an average of 33 story points per sprint, the average dropped to ~30 story points per sprint

**List of Backlog Items**

This sprint has been divided in 2 Milestones: User Splits Milestone (George) which included items/issues related to the new mandatory features for improving the user joruney. Some of the user stories are:

As a developer, I should present the user with a simple design, so the important information is not obfuscated by unnecessary distractions. I should give the user the oportunity to:

* rate the split, using the rating endpoint included in the Rating controller
* add the progress on a specific workout, using the addProgress endpoint, included in the UserSplit controller
* view the exercise progress in the workout, using the ExercisesProgress endpoint, included in the UserSplit controller

As a user I should be able add the progress i had on a specific workout: I should be able to see a list of exercise, enter the number of sets, and for each set:

* If it is a weight lifing exercise, I should be able to enter the weight and reps
* If its a calisthenics exercise, I should only be able to enter the reps, as the weight is the user's body weight
* if its a cardio exercise, I should be able to enter the duration and distance

As a developer, i should list the exercises in the workout, and based on the number of sets, dinamically render a component containing inputs for each set

The second Milestone was developed by Sergiu: UI/UX Optimizations and its purpose was to make the UX experience as good and pleasant as possible. Due to a possible high volume of data being tranfered, there is a possibility the user will see a blank page for about a second. This milestone included solutions for solving this problem as well as UI improvements on the profile pages and Exercises PLP. Some of the user stories are:

* As a user of this application, when I log in or create a new account, I want to be able to update my password regularly or anytime I want so that I can be sure that my account is secure.
* As a user of this application, when I log in or create a new account, I want to be able to see a dropdown on the right side of the page which must include a "change password" text so that I am aware of this new feature.
* As a user of this application, when I try to press the "Change password" button, I should be presented with a modal that includes all inputs for changing a password.
* As a user of this application, when I access the PLP(product listing page) for Exercises, I want to see some filters on the right side of the page so that I can search more efficiently the exercises I am interested in.
* As a user of this application, when I select a muscle group or more and press "search" button, I want to get all exercises that include that group.
* As a user of this application, when I enter a name in the input and press "search" button, I want to get all exercises that include that substring in their name.

**Acceptance Criteria**





**Newly added and removed items during Sprint**

* UI/UX optimizations for the Exercises PLP(added during Sprint)
* UI/UX optimizations for the Authentication pages (removed during Sprint - not really a must)
* Sorting, Paging, Filtering on Splits PLP (removed during Sprint - not having enough possible filters that make sense for this page)

**Status of planned items**

Since this is the last DEV sprint in our development process(the last one is focused on the deployment and BA stuff - verifying and testing the last version of our product), no more issues will be moved/migrated to the next sprint. As a result, by the end of the week, this will be our final product. When it comes to the status of the issues in this sprint, all issues that were added/updated/created in this sprint have met all our requirements and as a result had their acceptance criterias done. The ones that have been removed, didn't have their acceptance criteria met.

**Sprint Review**

\*Transcript of the conversation(summary)\*:

**LOCATION:** George Florea's Ford car, morning, around 11am. George Florea, fullstack developer, business analyst, team lead, jailor, felon, bodybuilder and Sergiu Stanciu, fullstack developer are ready for their sprint review process having their laptops. The focus is on UI/UX optimization for profile pages and PLP (Product Listing Page) pages, with a new server-side rendering approach. Additionally, George has introduced a feature allowing users to add progress to their workouts.

**George Florea:** Morning, Sergiu. Let's get finished with this. I'm excited about the UI/UX optimizations we've been discussing.

**Stanciu Sergiu:** Good morning, George. Agreed, this is a crucial aspect for our users. I've seen the initial designs for the profile pages and PLP pages, and they look impressive. How's the implementation going?

**George Florea:** The team is making good progress. We decided to explore server-side rendering for some of the components to enhance the initial page load speed. It seems like a solid approach to improve the overall user experience. What are your thoughts on that?

**Stanciu Sergiu:** I like the idea of server-side rendering. It aligns with our goal of delivering a seamless experience, especially for users with slower internet connections. Have we encountered any challenges with this approach so far?

**George Florea:** There have been a few challenges, mainly related to ensuring data consistency between the server and the client.

**Stanciu Sergiu:** Nice work so far, George. Regarding the UI/UX optimization, have you asked the other members of our team to test this new feature as well? Before pushing any new changes, we need to be sure that everything works as expected and no such challenges appear anymore.

**George Florea:** Agreed. User feedback is invaluable in refining our design decisions. Overall, I'm optimistic about these updates. They should elevate the overall user experience and make our fitness app even more user-friendly.

**Sprint Retrospective**

The members involved in the discussion were the same as the ones involved in the Sprint Review (same people, same location, same roles). Despite the fact that we started our development process 1 day earlier, the process was easier than expected. Both me(Sergiu) and George needed 1 weeke person to finish with their issues/tasks which gives the impression that we could have done more in this sprint. Due to being the last DEV sprint we had to make sure that all issues were documented as intended. During the discussion we realised that having the suitable members for each sprint is what helped us a lot. We organised ourselves so that each of us could have used the most of their knowleadge on that field (Alexia - mobile, Dragos - devops, Alex - backend). What was easier than expected was the development process. Both me and George split the tasks into half so that both of us could contribute equally. What was harder than expected was to test each other's tasks and check the acceptance criteria because most of the time, we couldn't coordonate.