



Report 1.2

FITFORGE ALLOCATION SYSTEM

T039 | P062

14/7/2024

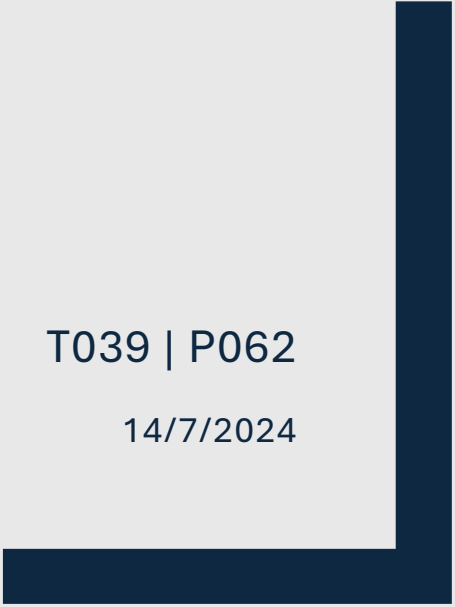


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Abstract

Due to a lack of effort and communication from certain members of the team, our goals for the previous week were not met. As such, we have had to reevaluate our plans for the upcoming week, and after considering our sprint plan, reallocate the work that needs to be done in order to ensure that the overall goals for this development phase will be met. As such, the major UI components for the list view and spreadsheet were reallocated, and in addition to the connective functionality and other backend development components will aim to be completed in this week instead. In addition to the development work, we will be taking time to investigate the requirements for our new semester of work in IFB399, and organising any preparation for the upcoming unit, whilst also reconnecting with our industry partner to begin working with them once more.

Overall Goals

While the overall goals for this development phase have not changed, our major focus will be modified because of the delay in completing the expected work. As outlined in the sprints, we are going into the second week of sprint 1, which is intended to finish the major development of UI and functionality to the point it can be tested. Instead, some of this will likely be offset into the second sprint, which was intended solely for testing and improvements based off the tests.

We will also be taking a more focused approach in documenting our work over the next few weeks as we approach the end of this development phase. A separate report will be produced outlining what was implemented and why in detail, as well as highlighting the feedback we expect to get and how we will potentially work from there. It is aimed to be a more detailed version of these weekly reports used as the most significant reference to the development phase in order to justify our choices to our industry partner and any future maintainers.

State of the Project

Over the past week, two of the four UI elements were implemented: the pairing view and the user input view. In addition, more of the backend functionality of allocating and rejecting pairings, saving the current state and linking between components was set up to be implemented fully in the future, once the other UI components were completed. As such, while we are falling behind, the sprint plan has left enough time available for the project to be adjusted and hopefully completed within the remaining week to the standard we envisioned.

Thus, given the lack of completed work, the remaining work has been reallocated to take into account those that have less time due to other commitments. One of our major points in the

next meeting at the end of the upcoming week will be a clarification on expectations for this project, how much work should be put in and the level of communication. Hopefully the problems last week will not be repeated in the future with proper planning and understanding, as the level of work that is being compensated by other team members is unacceptable.

Goals for this Week

Over this week, we will be covering two goals from the previous week. While some work was done in implementing the List View and the Spreadsheet View, it is necessary to reallocate them to other team members in order to ensure they're completed to a degree that allows the team members who are implementing the functionality to work with them.

Sprint 1 was defined with the following goals, to be achieved one week from now:

- Fully functional system minus testing
- Four major UI elements implemented
- Navigation and data handling implemented
- Not pretty but works as best as we expect

This is in holding with our plans for the following two weeks after this sprint to be focused on testing, and minor improvements to the flow and design of the system, to the point that we as developers can happily use it for its intended purpose.

To meet the goals for this sprint, we have the following that must be coded before the end of the upcoming week:

- Complete list view
- Complete spreadsheet view
- Complete saving and loading state
- Complete allocation and rejection functionality
- Implement linking between UI elements
- Improve algorithm implementations and allow for multiple runs
- Upload UI to take multiple xlsx sheets and google sheet URL
- Fully write out comments for clean documentation

These have been allocated to team members who have time and motivation to complete them within the required time and have proven able to communicate with the team leader as to how they are progressing. While it may not be possible to completely catch up, due to the nature of the planning sprint being somewhat relaxed, we can overflow slightly into that and still reach our goal of completing the system for testing.

Finally, we have begun discussing in more details some extra elements we have previously considered but discarded due to complexity and lower importance. Once the testing phase is complete, we will want to begin development of the new features, and we are beginning here to define them. This includes discussion on how a pie chart graph could be used to compare specific pairings and how they would conflict, as well as suballocation sets, where a sort of virtual environment could be created for testing a pairing and explore the impact of that before reverting it. Some kind of save state. These are important as they will be explained in detail in our future report at the end of this development phase.

What are the goals for this week? What resources will be used? What plans are we following? How will we do this? Justify what we have done. This section should be very detailed, with a

brief summary paragraph to begin, before informed and clear sections outlining who, what, when, why, and how.