

Sprint Planning Package — Sprint 3

Introduction

In this package, we will go through what is planned for the third sprint. We try to achieve our set goals by learning more from our mistakes. Measuring time is still an issue despite the significant improvement in Sprint 2.

Sprint Duration

- April 9, to April 23, 2024

Sprint Goals

- **Result Storage and Retrieval (RDM):** configure the RDM so that it can store and retrieve the optimization results to analyze performance.
- **User Journey Diagram (UJ):** can be a visual representation of the totality of the customer experience for our project.
- **Entity Relationship Diagram (ER):** Visualize our database's design structure and how various types of data interact.
- **First Iteration GUI:** Initial GUI showcasing basic features with user-friendly design and intuitive navigation.
- **Case and Sequence Diagram (CS):** capture system interactions, detailed process flows, and ensuring seamless integration and functionality.

Team Capacity

- **Available Hours:** The number of hours that each of us can contribute needs to be totaled.
- **Team:** It is Mathias, Ahmad, Samuel, and Karlos

Backlog Items

☐ ▼ Sprint 3 9 Apr – 23 Apr (5 issues)		27 8 0	Complete sprint	⋮
Continue with the development of Result Data Manager and initiate Optimizer.				
SCRUM-26 User Journey Diagram	RESULT DATA ...	IN PROGRESS ▼	8	SA
SCRUM-9 RDM-1 Result Storage and Retrieval	RESULT DATA ...	TO DO ▼	3	K
SCRUM-28 Entity Relationship Diagram	RESULT DATA ...	TO DO ▼	8	K
SCRUM-34 First Iteration GUI	RESULT DATA ...	TO DO ▼	8	
SCRUM-35 Case and Sequence Diagram (not sure to do it)	RESULT DATA ...	TO DO ▼	8	
+ Create issue				

And any remaining undone/In progress items.

Expectations

- **UJ, ER and CS:** Completion of diagram.
- **Setting Up RDM:** Laying the groundwork for the RDM.
- **GUI:** Completion user interface.

Risk Mitigation

- A stable set of criteria may cause scope creep, misconceptions, and more time and effort to build.
- The absence of essential team members and deficiencies in skills can affect the progress, success, and timeliness of a project.
- Risks associated with using Avalonia:
 - Thorough evaluation.
 - Monitor community.
 - Plan for skill acquisition.
 - Prepare migration strategy.
 - Robust integration testing.

Sprint 3 Review and Retrospective

- **Review:** April 23, 2024. (We look back at our plays, celebrating the wins, and learning from the misses)
- **Retrospective:** Same day. (We look back what worked, what did not, and how we improve for the sprint)

Prep for Sprint Planning

- Focus on estimating effort, to ensure a successful and targeted sprint.
- Carefully preparing backlog, user stories, and goals for a successful Sprint Planning.