Sprint Review — Sprint 2

Introduction

This report summarizes the outcomes of Sprint 2, focusing on the achievements against our set goals, and identifies areas requiring further attention.

Sprint Goals

- **SDM Setup:** Initiated the setup for the dynamic data class for heat demand and electricity price (Called SourceData).

- **AM Catch-Up:** To address backlog issues from Sprint 1.

- **UML and Diagrams:** Development of UML class, component, and user journey diagrams.

- **Testing and Roles:** Making a test project and clarifying team roles.

- **GitHub and Design Tools:** Implementation of GitHub Actions CI and setup of Miro and Figma for design.

- **Miro and Figma:** facilitating communication and designing interfaces.

Achievements

1. **Coding Progress:** Progress in coding with structural improvements (Project and directory structure).

2. **Diagrams:** Finished first iteration of the UML class and component diagrams, they display the components and classes that make up a project. (obviously may change later alongside the project which is why it's the first iteration)

3. **Testing Framework:** xUnit project for code validation.

4. **Role Definition:** Roles within the scrum team were clarified and assigned; mainly using Discord roles for role assignment.

5. **Design Tool Integration**: Setup of Miro and Figma for collaborative design work.

6. **Documentation:** Better project documentation including diagram files, lectures and hand-ins in docs and guides in the readme.
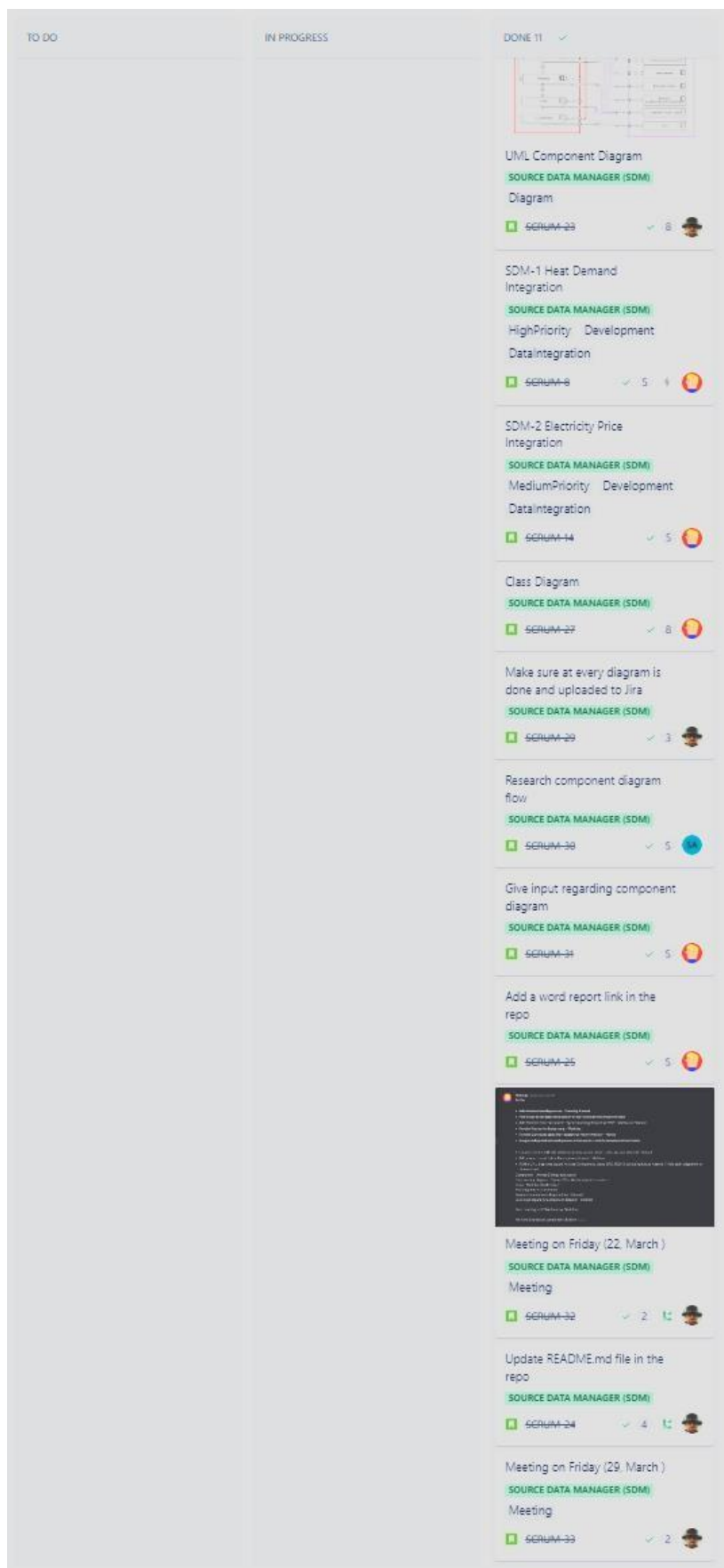
Pending Items

- Finishing the User Journey Diagram.

- Making GUI project sketches and designs and turning them into a model.

Action Items for Next Sprint

- Focus on GUI model and user interface development.

Scrum Board

TO DO	IN PROGRESS	DONE 11 ✓

UML Component Diagram

SOURCE DATA MANAGER (SDM)

Diagram

☑ SCRUM-23   ✓   8

SDM-1 Heat Demand Integration

SOURCE DATA MANAGER (SDM)

HighPriority   Development

DataIntegration

☑ SCRUM-8   ✓   5

SDM-2 Electricity Price Integration

SOURCE DATA MANAGER (SDM)

MediumPriority   Development

DataIntegration

☑ SCRUM-14   ✓   5

Class Diagram

SOURCE DATA MANAGER (SDM)

☑ SCRUM-27   ✓   8

Make sure at every diagram is done and uploaded to Jira

SOURCE DATA MANAGER (SDM)

☑ SCRUM-29   ✓   3

Research component diagram flow

SOURCE DATA MANAGER (SDM)

☑ SCRUM-30   ✓   5

Give input regarding component diagram

SOURCE DATA MANAGER (SDM)

☑ SCRUM-31   ✓   5

Add a word report link in the repo

SOURCE DATA MANAGER (SDM)

☑ SCRUM-25   ✓   5

Meeting on Friday (22. March)

SOURCE DATA MANAGER (SDM)

Meeting

☑ SCRUM-32   ✓   2

Update README.md file in the repo

SOURCE DATA MANAGER (SDM)

☑ SCRUM-24   ✓   4

Meeting on Friday (29. March)

SOURCE DATA MANAGER (SDM)

Meeting

☑ SCRUM-33   ✓   2

Scrum Board

Burndown Chart

Sprint — Sprint 2

Estimation field — Story points

Date - 18 March 2024 - 9 April 2024

Sprint goal - Start developing main components like the Asset Manager and Source Data Manager.

Remaining work — Number of story points left to complete this sprint

Guideline — Ideal burn rate

Velocity Chart

Commitment — The amount of work in the sprint when it began.

Completed — The amount of work done during the sprint.

Sprint	Commitment	Completed
Sprint 1	0	10
Sprint 2	10	52

Pull Requests

```
Showing 14 of 14 pull requests in SP-SoftFuzz/ProfHeat that match your search

ID    TITLE                                               BRANCH         CREATED AT
#14   SCRUM-8: Implemented Managers and updated data      dev            about 1 day ago
#13   SCRUM-8: Implemented Managers                       dev            about 1 day ago
#12   SCRUM-8: Rework                                      dev            about 1 day ago
#11   SCRUM-32: Revert Example pull                        revert-10-dev  about 11 days ago
#10   SCRUM-32: Example pull                               dev            about 11 days ago
#9    SCRUM-32: Remove unused example                      dev            about 11 days ago
#8    SCRUM-32: Removing not implemented                   dev            about 11 days ago
#7    SCRUM-24: Fixed issue key guide                      dev            about 11 days ago
#6    SCRUM-32: Added xUnitTest and diagram                dev            about 11 days ago
#5    SCRUM-24: Issue-key example                          dev            about 11 days ago
#4    Updated License and readme                           dev            about 11 days ago
#3    Feature parody                                       main           about 11 days ago
#2    Updated readme and icon                              dev            about 11 days ago
#1    Added diagrams                                       Dev            about 11 days ago
```

Sprint Retrospective — Sprint 2

What Worked Well

- **Meetings:** A set date for meetings and a meeting guide leading to more productive discussions.
- **Project Structure:** Clear separation between core logic and GUI, adherence to google coding standards (using editorconfig).
- **Documentation:** README updates and guidelines.

Areas to Improve

- **Jira Usage:** Need better discipline in adding tasks to Jira.
- **Pull Request:** Current process is bad. We need to discuss it and the usage of feature branches for development. (And possibly stack workflow)
- **Team Engagement:** Strategies to incentivize task completion and active participation. (We don't really have any time for team building)
- **Task Delegation:** Improve delegation practices to avoid a few individuals taking care of too much themselves.

Future Considerations

- **Technology Stack**: Explore .NET Core with Electron.NET for GUI development over Avalonia. (Better for businesses and more documentation available)
- **Management Tools:** Easier alternatives to Jira, like Trello or GitHub Projects, for project management. (for next semester due to Jira being a requirement)

Conclusion

Sprint 2 brought forth both achievements and learning opportunities. Our focus for the next sprint will be getting everyone on board by fixing our project management practices and team collaboration.