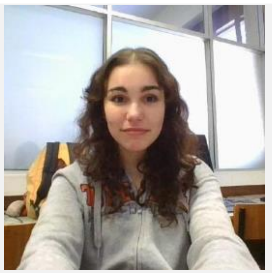
ISEP INSTITUTO SUPERIOR DE ENGENHARIA DO PORTO

LAPR3 2024_2025

Class 2DJ Group 102 **SPRINT 1**

Group members:

Rui Santiago (1221402)	Bernardo Cardoso (1231090)	Francisco Lousada (1231092)	Helena Sousa (1230896)
			

Sprint planning – Sprint 1

Planned Start Date: 30/09/2024

Planned Finished Date: 27/10/2024

Real Start Date: 06/10/2024

Real Finish Date: 27/10/2024

SPRINT BACKLOG		
Number of stories	19	
Number of bugs	Undetermined	
Number of tasks	4	
Number of Management Tasks (Scrum)	3	
Number of team members	Planned: 4	Actual: 4
Total planned estimation vs execution	Planned hours: 111 Executed hours: 99	

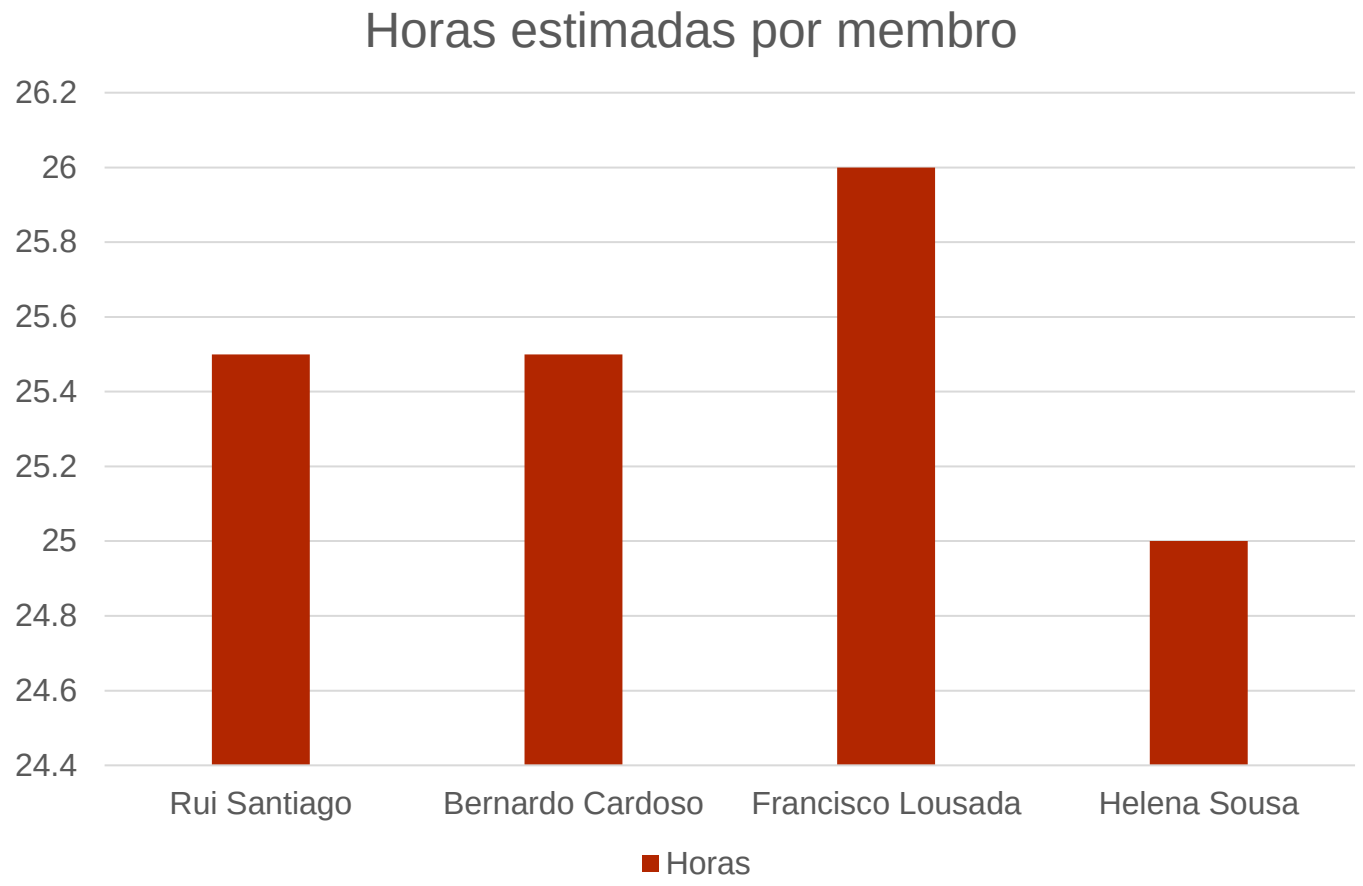
Sprint planning

Assignment US (as stated on project assignment)	Commited? (Yes / no according to team planning)	Todo	Doing	Testing	Done	Blocked
USBD 01	Yes				x	
USBD 02	Yes				x	
USBD 03	Yes				x	
USBD 04	Yes				x	
USBD 05	Yes				x	
USBD 06	Yes				x	
USBD 07	Yes				x	
USBD 08	Yes				x	
USEI 01	Yes				x	
USEI 02	Yes				x	

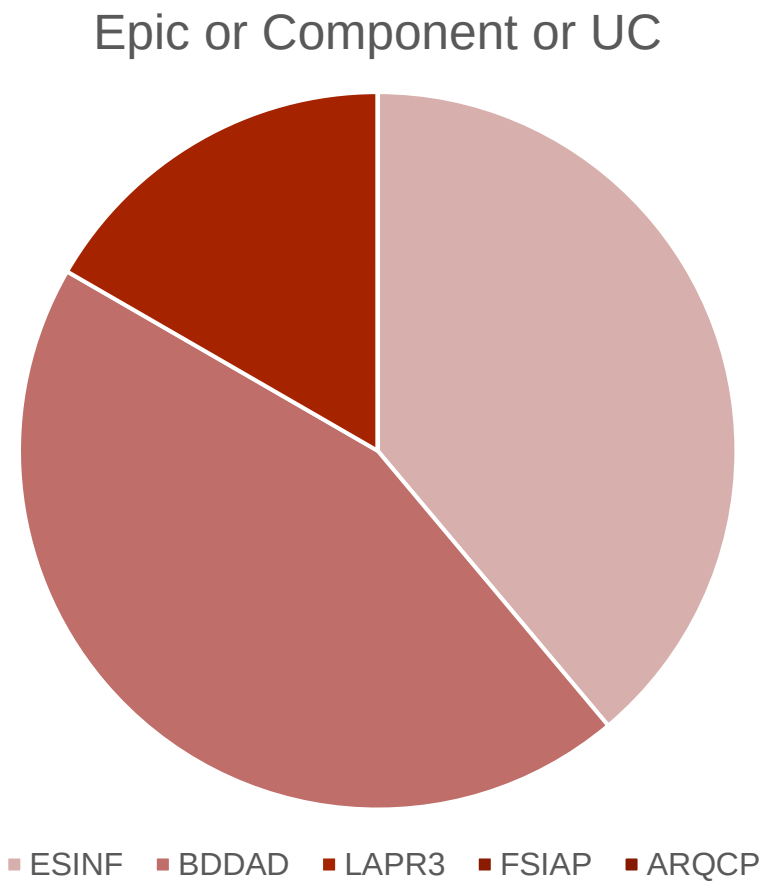
Sprint planning

Assignment US (as stated on project assignment)	Commited? (Yes / no according to team planning)	Todo	Doing	Testing	Done	Blocked
USEI 03	Yes				x	
USEI 04	Yes				x	
USEI 05	Yes				x	
USEI 06	Yes				x	
USEI 07	Yes				x	
USLP 01	Yes				x	
USLP 02	Yes				x	
USLP 03	Moved to S2					x

Work by team member



Work by type



Issues / Assumptions / unanswered questions

Description	Responsible	Date / sprint	Related issue / item in Git
Confusion on how to structure the relational model for the physical database implementation.	Rui S.	Sprint 1	**USLP01**
Didn't know if the priority was an enumerator (HIGH, NORMAL, LOW) or an integer (being 0 the highest priority), since the client didn't provide any further information.	Francisco L.	Sprint 1	**USEI01/USEI07**
Lack of standardized definitions in the data dictionary/glossary, creating inconsistencies.	Helena S.	Sprint 1	**USBD01**
Uncertainty on how to implement the simulator to validate operations.	Francisco L.	Sprint 2	**USEI02**

Issues / Assumptions / unanswered questions

Description	Responsible	Date / sprint	Related issue / item in Git
Encountered issues with data accuracy in calculating the total production capacity due to missing machine downtime data.	Bernardo C.	Sprint 1	**USEI06**
Assumption that all operational data (e.g., machine, items) was readily available, making the test files not the same as the ones provided later.	Francisco L.	Sprint 1	**USEI02**
Assumed that domain model could be easily aligned with existing legacy systems and faced incompatibility issues.	Rui S.	Sprint 1	**USBD04**
Questions about terminology standardization in the data dictionary, especially around definitions for "workstation" and “machine," causing misinterpretations.	Helena S.	Sprint 1	**USBD02**

Issues / Assumptions / unanswered questions

Description	Responsible	Date / sprint	Related issue / item in Git
Assumed that the given time unit was seconds when implementing the timelines, was later confirmed by client as being seconds.	Bernardo C.	Sprint 1	**USEI02**
Assumed that Java classes would run according with their theoretical complexities while writing the simulator's time complexity report.	Bernardo C.	Sprint 1	**USEI02**

Daily Meetings

Date	Place / duration	Rui Santiago	Francisco Lousada	Bernardo Cardoso	Helena Sousa
08/10/2024	Class / 15 min	x	x	x	x
10/10/2024	Discord / 15 mins	x	x	x	x
11/10/2024	Class / 15 min	x	x	x	x
13/10/2024	Discord / 15 mins	x	x	x	x
15/10/2024	Class / 15 min	x	x	x	x
18/10/2024	Class / 15 min	x	x	x	x
20/10/2024	Discord / 15 mins	x	x	x	x
22/10/2024	Class / 15 min	x	x	x	x
25/10/2024	Class / 15 min	x	x	x	
26/10/2024	Discord / 15 mins	x	x	x	x
27/10/2024	Discord / 20 mins	x	x	x	

LLM performance assessment (chatGPT or Copilot)

Source file (include file as attachment):

- This document.
- Daily Standups in GitHub project.

Input (prompt) :

"For each team member, write 1 or 2 paragraphs on each member's performance assessment, taking into account the sprint status report (see attachment). In the end, estimate the overall project performance, giving an evaluation between 0 and 5 of Project Mood."

LLM performance assessment

Output file (include file as attachment):
Output (one line per team member):

- *"Rui led the sprint as the Scrum Master and contributed across various stages, including setting up the domain and logical models and coordinating tasks within the team."*
- *"Bernardo actively contributed to the modelling and simulation aspects, primarily working on Java class structures and logic for machine operation timelines."*
- *"Francisco was pivotal in simulator development, managing complex data structures and prioritization methods for machine operations."*
- *"Helena contributed to the domain model, glossary, and the logical model alongside performing tests and ensuring documentation accuracy."*

Opinion about the output:
- It's on pair with each team member's work thought the sprint, it also correctly emphasizes where each member worked the most and what was the scope of each member's allocation.

Sprint Retrospective

Date: 27/10/2024

What went well?

- Regular updates on progress and development helped keep a positive, transparent environment.

What went wrong?

- The group worked too fast, and some members couldn't keep up with the progress.
- Tasks weren't distributed by workload but rather by complexity. Leaving the heavier work for the more apt members caused some members to become out of touch with the program's workings.
- Big tasks were tackled as being one task, rather than being subdivided into smaller, graspable ones.

What we've learned?

- We need to refine our estimation process to account for complexity and potential blockers more accurately.
- Allocating more time for testing in future sprints can help reduce last-minute fixes and improve overall product stability.

Sprint Retrospective

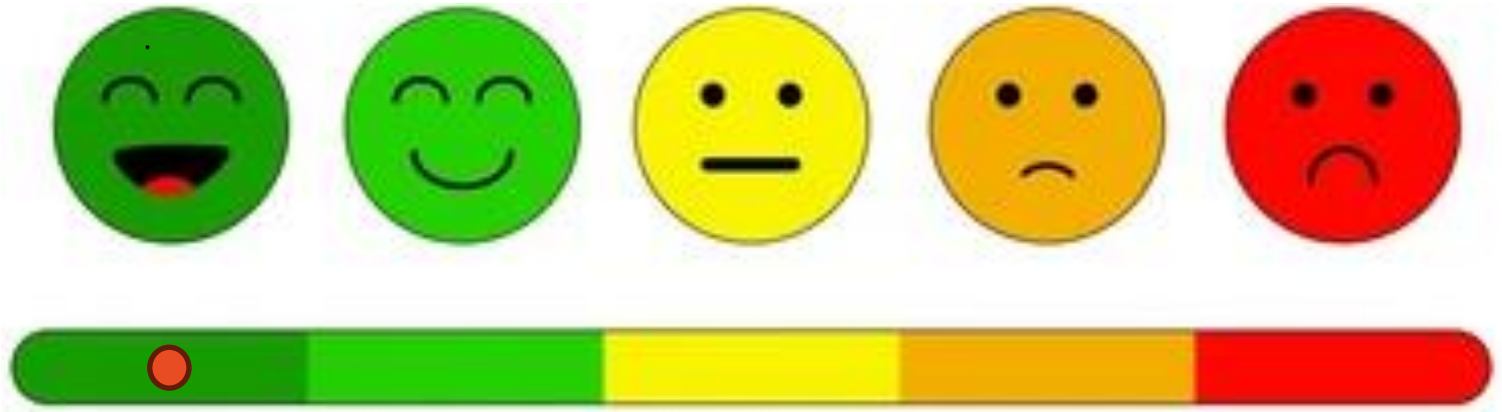
Date: 27/10/2024

Action items:

- Improve task estimation accuracy, aiming to increase accuracy by 20% in the next sprint.
- Increase testing time allocation by dedicating an additional 10% of the sprint time to testing, reducing critical bugs in Sprint 2.
- Increase the time for the Sprint Backlog refinement by 100% (2h -> 4h) in the next Sprint, increasing the team member's orientation and workflow.

Overall Project perfomance:

- Comments:
  - Apart from some issues in task allocation and task subdivision, the team was able keep tabs on each other's work and helping each other when needed. The solution was coming to life very quickly, proving the team's commitment to work.
- - LLM evaluation:
  - *"The overall Project Mood rating is 4.5 out of 5, reflecting strong alignment, adaptability, and efficient progress towards project goals."*



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