

eCourse

Progress Report – Sprint B

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ISEP INSTITUTO SUPERIOR
DE ENGENHARIA DO PORTO



Topics

- ▶ Trello as Management Tool
- ▶ Completed Activities
- ▶ Main Objectives of the System
- ▶ Adopted Development Process and Planning
- ▶ Teamwork Methodology and Conflict Resolution Strategy
- ▶ Lessons Learned

Planning – Trello Board

The screenshot displays a Trello board with the following structure:

- Team Bucket:** Contains a card titled 'Fusão' with a Dragon Ball Z image, a link to 'Github Project Link', and a '+ Adicionar um cartão' button.
- Backlog:** Contains two cards:
 - Card 1: 'used in automatic formative exams' with a progress bar and a user icon.
 - Card 2: '[3003] As Project Manager, I want the team to "explore" the synchronization problems related to the shyncronization of shared boards and design a conceptual solution based on practical evidence.' with a progress bar, a checklist icon, and a group of user icons.
- To Do:** Contains one card: '[3001] As Project Manager, I want the team to prepare the communication infrastruture for the Shared Boards and the depoyment of the solution' with a progress bar, a checklist icon, and a group of user icons.
- Doing:** Contains three cards:
 - Card 1: '[1011] As Teacher, I want to schedule an extraordinary class' with a progress bar, a checklist icon showing '2/3', and a user icon.
 - Card 2: '[2008] As Teacher, I want to create/update automatic formative exams' with a progress bar and a user icon.
 - Card 3: '[4001] As User, I want to schedule a meeting' with a progress bar and a user icon.
- Done:** Contains four cards:
 - Card 1: '[3002] As User, I want to create a board' with a progress bar, a checklist icon showing '3/3', and a user icon.
 - Card 2: '[1006] As User, I want to list all the courses that are available to me' with a progress bar and a user icon.
 - Card 3: '[1008] As Student, I want to request my enrollment in a course' with a progress bar, a checklist icon showing '4/4', and a user icon.
 - Card 4: '[1001] As Manager, I want to be able to register, disable/enable, and list users of the system' with a progress bar, a checklist icon showing '15/15', and a user icon.

Completed Activities

ID	Description	Responsable	Real	State
1001	As Manager, I want to be able to register, disable/enable, and list users of the system	Pedro Sousa	Start: 17-04-2023 End: 30-04-2023	✓
1002	As Manager, I want to create courses	Pedro Sousa	Start: 30-04-2023 End: 11-05-2023	✓
1003	As Manager, I want to open and close enrollements in courses	Pedro Sousa	Start: 30-04-2023 End: 11-05-2023	✓
1004	As Manager, I want to open and close courses	Pedro Sousa	Start: 30-04-2023 End: 11-05-2023	✓
1005	As Manager, I want to set the teachers of a course	Pedro Garrido	Start: 30-04-2023 End: 11-05-2023	✓
1006	As User, I want to list all the courses that are available to me	Mariana Carneiro	Start: 30-04-2023 End: 10-05-2023	✓
1007	As Manager, I want to enroll students in bulk by importing their data using a csv file	Pedro Garrido	Start: 12-05-2023 End: 15-05-2023	✓
1008	As Student, I want to request my enrollment in a course	Cátia Sousa	Start: 11-05-2023 End: 14-05-2023	✓
1009	As Manager, I want to approve or reject students applications to courses	Pedro Garrido	Start: 14-05-2023 End: 16-05-2023	✓
1010	As Teacher, I want to schedule a class	João Leitão	Start: 11-05-2023 End: 18-05-2023	✓

ID	Description	Responsable	Real	State
1011	As Teacher, I want to schedule an extraordinary class	Joana Nogueira	Start: 11-05-2023 End: 14-05-2023	✓
1012	As Teacher, I want to update the schedule of a class	João Leitão	Start: 11-05-2023 End: 19-05-2023	✓
2001	As Teacher, I want to create/update an exam	João Leitão	Start: 14-05-2023 End: 20-05-2023	●
2002	As Student, I want to view a list of my future exams	Cátia Sousa	Start: 15-05-2023 End: 21-05-2023	✓
2003	As Teacher, I want to view a list of all exams in a course	Cátia Sousa	Start: 15-05-2023 End: 21-05-2023	✓
2007	As Teacher I want to add/update exam questions to a repository of exam questions to be used in automatic formative exams	Joana Nogueira	Start: 17-05-2023 End: 21-05-2023	●
2008	As Teacher, I want to create/update automatic formative exams	Mariana Carneiro	Start: 16-05-2023 End: 20-05-2023	●
3001	As Project Manager, I want the team to prepare the communication infrastructure for the Shared Boards and the deployment of the solution	Cátia Sousa Joana Nogueira Mariana Carneiro	Start: 13-05-2023 End: 21-05-2023	✓

ID	Description	Responsable	Real	State
3002	As User, I want to create a board	Joana Nogueira	Start: 12-05-2023 End: 14-05-2023	✓
3003	As Project Manager, I want the team to "explore" the synchronization problems related to the shyncronization of shared boards and design a conceptual solution based on practical evidence.	All Team	Start: 17-05-2023 End: 20-05-2023	✓
4001	As User, I want to schedule a meeting	Mariana Carneiro	Start: 14-05-2023 End: 20-05-2023	✓
5001	As software product client, I want the team to prepare a presentation focusing on the following aspects: (i) main objectives of the system; (ii) adopted development process and planning; (iii) teamwork methodology and conflict resolution strategy; (iv) product quality; (v) expected results; (vi) 'turnkey' format for software delivery/sale; among others relevant aspects.	All Team	-----	✓

Main Objectives of the System

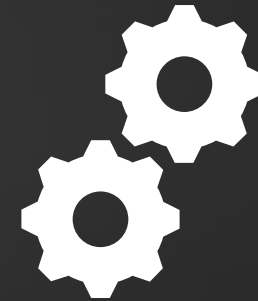


Developing a new remote learning platform called **eCourse**, using a minimum viable product (MVP) approach.

- Register **Users**
- Create **Courses**
- Schedule **Classes**
- Enroll **Students** in Courses
- Create **Exams**
- Schedule **Meetings**
- Create **Shared Board...**



Adopted
development
process and
planning



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- ☐ [5001] [NFR12] - As software product client, I want the team to prepare a presentation focusing on the following aspects NFR
 #26 opened 3 weeks ago by Joao-N-Leitao
- ☐ [4001] [FRM01] - As User, I want to schedule a meeting FRM
 #25 opened 3 weeks ago by Joao-N-Leitao
- ☐ [3003] [NFR11] - As Project Manager, I want the team to "explore" the synchronization problems related to the synchronization of shared boards and design a con
 #24 opened 3 weeks ago by Joao-N-Leitao
- ☐ [3002] [FRB01] - As User, I want to create a board
 #23 opened 3 weeks ago by Joao-N-Leitao
- ☐ [3001] [NFR10] [NFR14] - As Project Manager, I wan Shared Boards and the deployment of the solution
 #22 opened 3 weeks ago by Joao-N-Leitao

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GitHub Repository

- Commit messages associated to GitHub issues in accordance to defined structure.

✓ #15 schedule extraordinary class implementation	master	17 hours ago	...
Java CI with Maven #115: Commit 08dfc2d pushed by joanabnogueira		12m 36s	
✓ #9 #11 #13 - Documentation and Annotations completion	master	yesterday	...
Java CI with Maven #114: Commit e421f55 pushed by PedroSGarrido		15m 58s	
✓ #13 Approve / Reject Student Enrollments [Design + Implem...	master	yesterday	...
Java CI with Maven #113: Commit 81ec33f pushed by PedroSGarrido		11m 40s	
✓ #23 fixed create shared board	master	yesterday	...
Java CI with Maven #112: Commit 0d745cb pushed by joanabnogueira		12m 6s	
✓ #11 Enroll Students in bulk [Implementation + Final Design]	master	yesterday	...
Java CI with Maven #111: Commit 4ecfa05 pushed by PedroSGarrido		14m 50s	
✓ #20 update student menu	master	yesterday	...
Java CI with Maven #110: Commit aef1e15 pushed by CatiaSousa1210849		14m 53s	
✓ #10 [Code] Update methods to list courses by user	master	yesterday	

US 1001.1 - As Manager, I want to be able to register a new user

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1. Context

This is the first time this functionality is being developed. It is included in Sprint B of the project eCourse

2. Requirements

US 1001 As Manager, I want to be able to register, disable/enable, and list users of the system

- US1001.1 - Register a new User

Dependencies with:

- 1001.2 - Enable/Disable User
- 1001.3 - List the system Users

2.1 Customer Specifications and Clarifications

From the specifications Document:

This User story is related to the Functional Requirement FRU01 - Management of Users (Teachers and Students, as well as Managers). **It should be only available to managers**

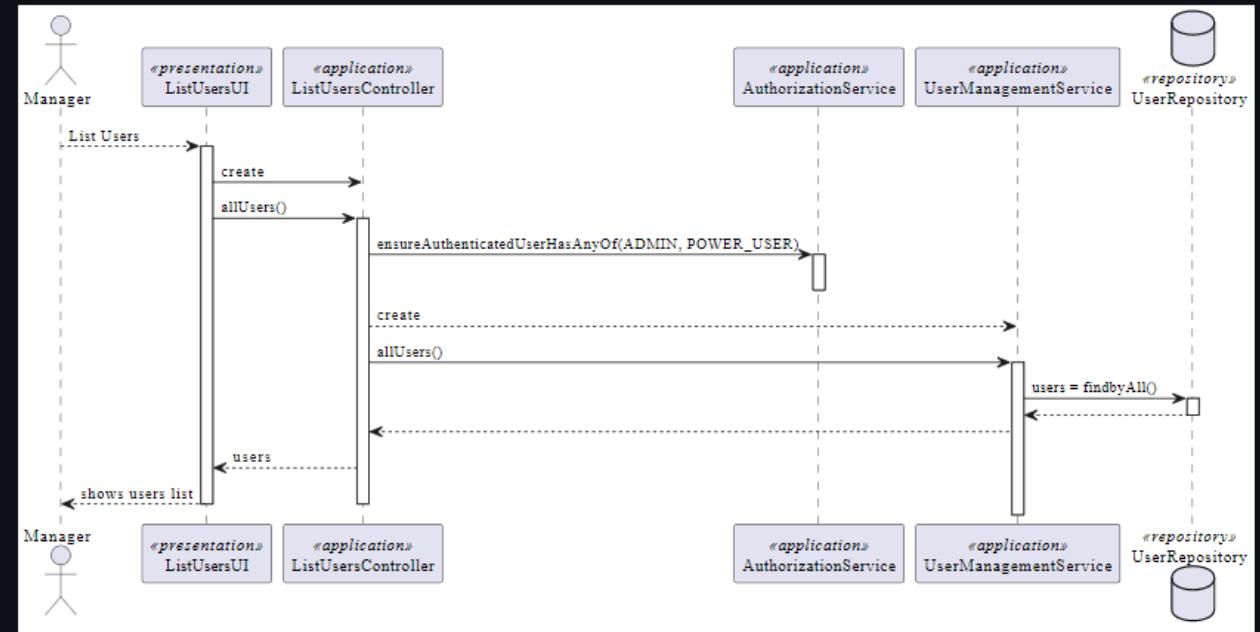
Managers (they can be also named as Administrators) manage all the users of the system. Each user should be identified in the system by their email. Each user should also provide its full name. In the system the users must also provide a password.

GitHub Repository

- Documentation
- Requirements -> Design -> Testing -> Implementation

4. Design

4.1. Realization (Sequence Diagram - SD)



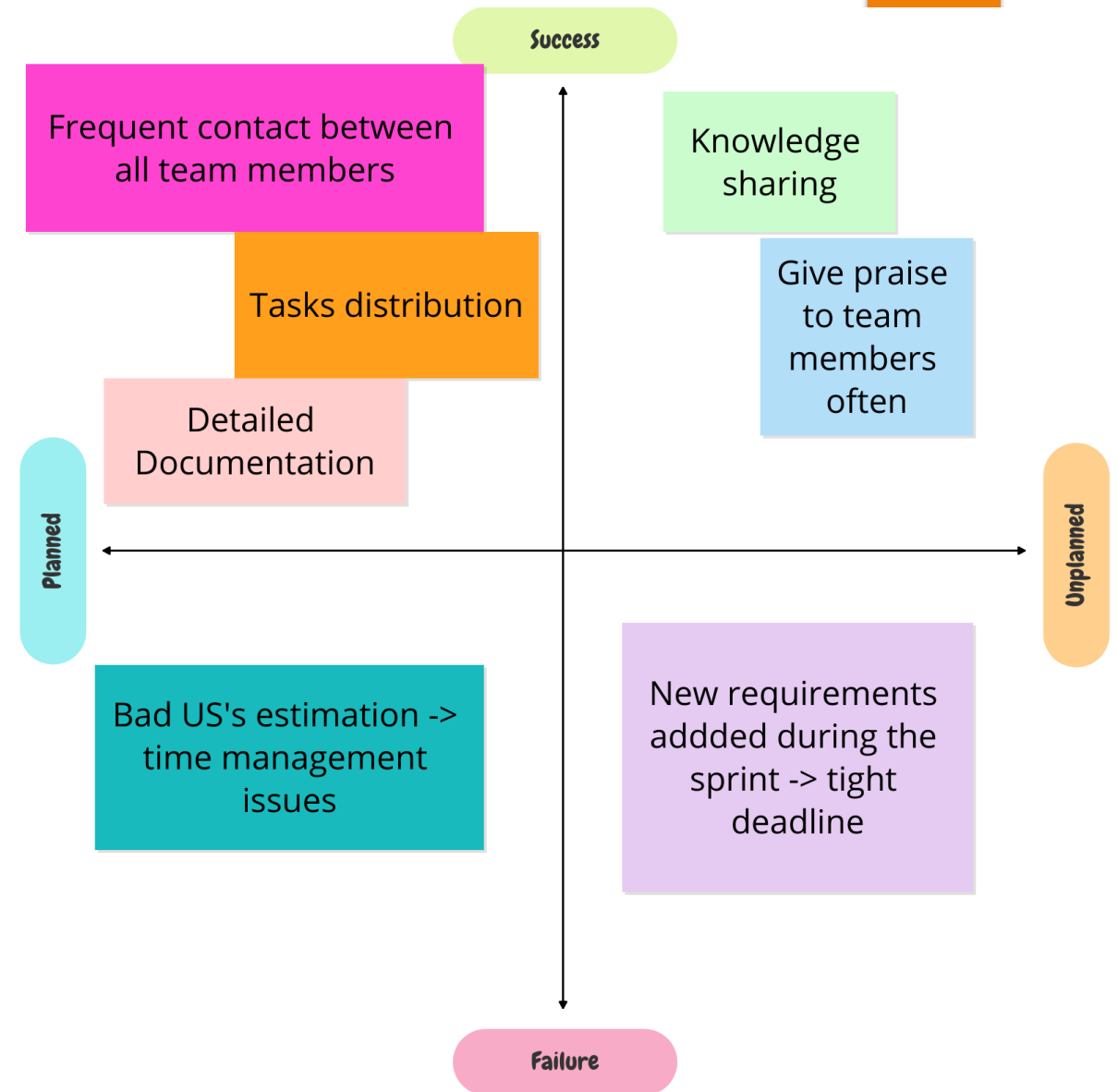
Teamwork methodology and conflict resolution strategy



- ✓ **Same team** from previous semester (performing stage);
- ✓ Good **Communication**;
- ✓ Frequent **Meetings** (online and at ISEP);
- ✓ Shared doubts and difficulties;
- ✓ **Scrum Master** responsible for delegating tasks and verify workflow.

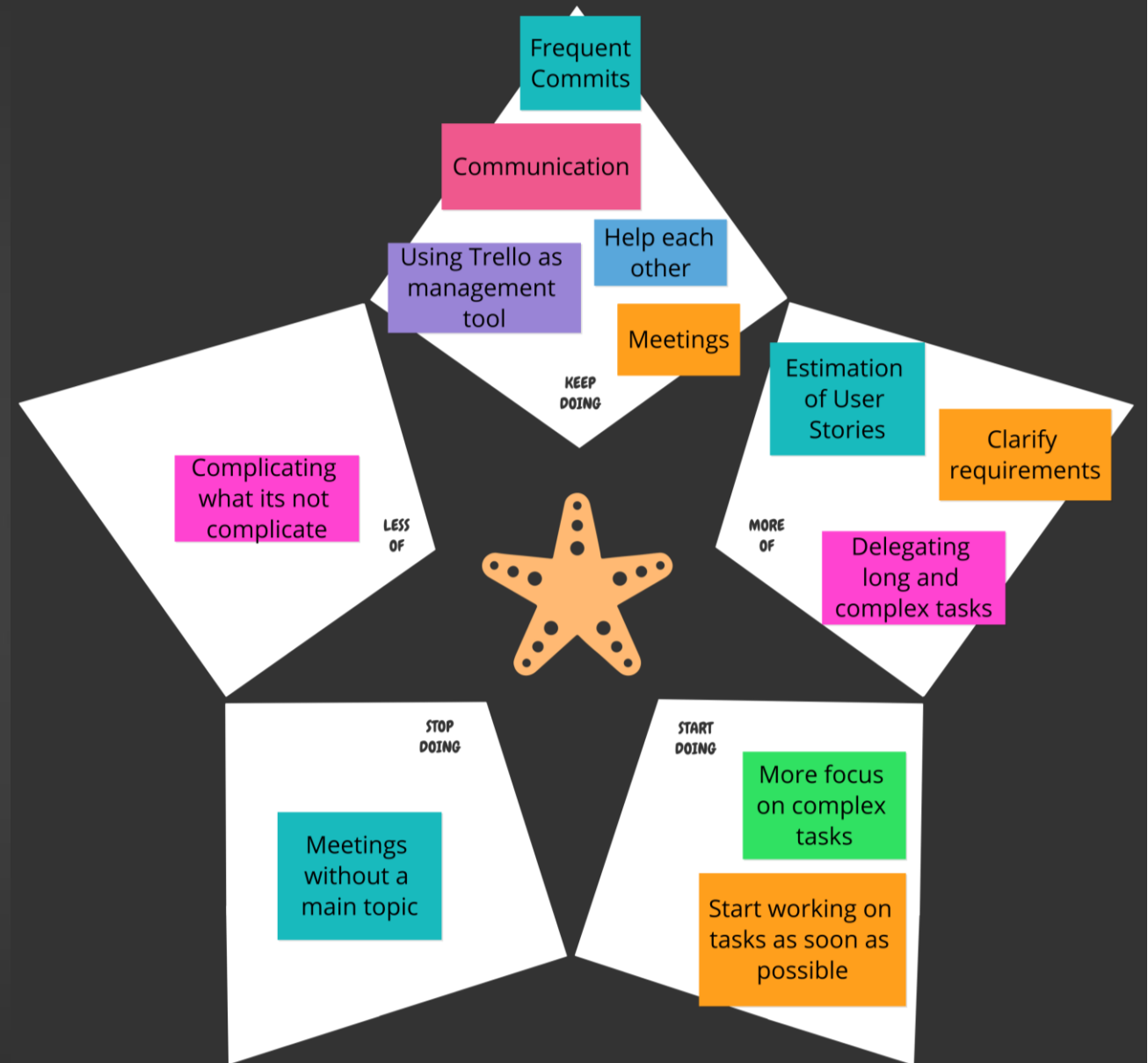
Lessons Learned

<https://conceptboard.com/blog/retrospective-templates-for-better-sprint-and-agile-reviews/>



Starfish Retrospective

<https://conceptboard.com/blog/retrospective-templates-for-better-sprint-and-agile-reviews/>





Demonstration of App