GROUP 1: Sprint #1

Demo Project

What is done

- Setup Tasks:
  - #12 Project Architecture
  - #13 Repository
  - #14 DataBase
  - #15 Creating Interfaces

What is done

- Story #1 (task #20, task #22) 2 story points
- Story #2 (task #21, task #27) 2 story points
- Story #5 (task #18, task #19) 1 story point
- Story #6 (task #23, task #25) 1 story point
- Story #9 (task #16, task #17) 3 story points
- Story #11 (task #24, task #26) 1 story point

Points committed: 10

Points done: 4

What is done

- Unexpected Tasks / Preparation Tasks:

  - #28 Study Documentation

  - #29 Research Automated Unit Testing

  - #30 Solve git Authorization problem

ADMIN - 3 story points

Story #9: As a Manager I want to define which requests can be handled by each counter.

This story has been divided into two tasks:
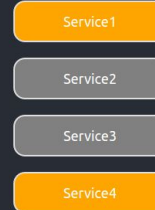**Task #16:** Adding features to the admin interface (Frontend)
Task #17: Create a backend function for the admin (Backend)

And was linked to the completion of the setup tasks.

OPERATOR - 1 story point

Story #5: As an operator, I want to know which types of requests my counter has so that I can serve them

This story has been divided into two tasks:
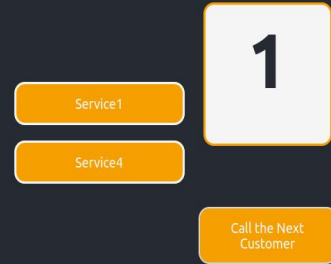**Task #18:** Adding features to the user interface (Frontend)
Task #19: Adding features for the backend of the user (Backend)

And was linked to the completion of the setup tasks.

OPERATOR - 1 story point

Story #6: As an operator, I want to notify that I have finished the request so that I can receive the next

This story has been divided into two tasks:
Task #23: Adding features to the operator interface (Frontend)
Task #25: Adding features for the backend of the operator (Backend)

And was linked to the completion of the setup tasks.

OPERATOR - 1 story point

Story #11: As an operator, I want to know if there is something to do

This story has been divided into two tasks:
Task #24: Adding features to the operator interface (Frontend)
Task #26: Adding features for the backend of the operator (Backend)

And was linked to the completion of the setup tasks.

CUSTOMER - 2 story points

Story #1: As a user, I want to select service to be put in a correct queue

This story has been divided into two tasks:
Task #20: Adding features to the user interface (Frontend)
Task #22: Adding features for the backend of the user (Backend)

And was linked to the completion of the setup tasks.

CUSTOMER - 2 story points

Story #2: As a user, I want to be notified when my number is called so that my request can be served

This story has been divided into two tasks:
Task #21: Adding features to the user interface (Frontend)
Task #27: Adding features for the backend of the user (Backend)

And was linked to the completion of the setup tasks.

HOURS WORKED AS A TEAM

- **Planned:** 48 (8 hours * 6 team members)

- **Done:** 47.9

HOURS WORKED

Tasks	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18	Task 19	Task 20	Task 21	Task 22	Task 23	Task 24	Task 25	Task 26	Task 27	Task 28	Task 29	Task 30	Task 31
Zonno				2	2		1		1			1					2			
Li																	7	1		
Heydarli		0,5	2											1			3	1	0,2	0,2
Fantini	4										2,5				2,5					
Farina	0,5		1			6,5		1												
Mulatero										2			3							

DETAILED STATISTICS OF STORIES

Story ID	Number of Tasks	Points	Total hours estimation	Total hours spent
#5	2	1	3 hours	2 hours
#9	2	3	8 hours	8,5 hours

SUMMARY

- **Hours per Task:**

  - Average: 2.37

  - Minimum: 0.2

  - Maximum: 7

- **Task Estimation Error:**

  - Hours Estimated: 48 to complete 19 tasks

  - Hours Spent: 47.9 to complete 15 tasks

QUALITY

We did not execute automatic tests because we needed to better understand how to perform them, we executed only manual testing.

- **Unit Testing:**
  - Hours Estimated: 2
  - Hours Spent: 1 for manual tests
- **System Testing:**
  - Hours Estimated: 2
  - Hours Spent: 1.5 for manual tests
- **Code Review:**
  - Hours Estimated: 1
  - Hours Spent: 1

ASSESSMENT - WHAT WENT WRONG?

- Some group members overestimated their knowledge of some of the topics/tools/programming languages used
- The amount of hours worked was not uniform for each member of the group
- Less than efficient communication
- Missing a coordination method for software development
- Big variations in the amount of self assigned tasks

ASSESSMENT - WHAT WENT RIGHT?

- Allocated some time to study the topics/tools/languages used (useful for future sprints) by implementing task #28 and #29
- Reacted well to an unexpected problem and solved it, adding the task #30

ASSESSMENT - HOW CAN WE DO BETTER?

- Better communication, find a compromise to overcome the difficulties given by the different time zones of the team members
- Better estimation of time required to execute some tasks (based on the experience gained from the first sprint)
- Better self-assignment of tasks
- Be more specific in the description of the tasks to avoid overlaps and/or misunderstandings