



# SPRINT RETROSPECTIVE

Team 11



# Process



# List of task planned for this sprint

- ◆ OQ-13 Create sql database
- ◆ OQ-25 Learning used technologies
- ◆ OQ-19 Add login/logout functionality
- ◆ OQ-14 Create and connect BitBucket repository
- ◆ OQ-15 Populate Database
- ◆ OQ-16 Create UI for customer requesting a ticket
- ◆ OQ-17 Function to add the customer to the database after he requested a ticket
- ◆ OQ-18 Show the ticket to the customer
- ◆ OQ-20 UI for the officer to signal that he is free
- ◆ OQ-21 Function to update the database to signal that an officer is free
- ◆ OQ-22 Function to reset the queue every morning
- ◆ OQ-23 Function to count how many other customers have requested a ticket of the same type
- ◆ OQ-24 On the home page, show which counter is serving which customer



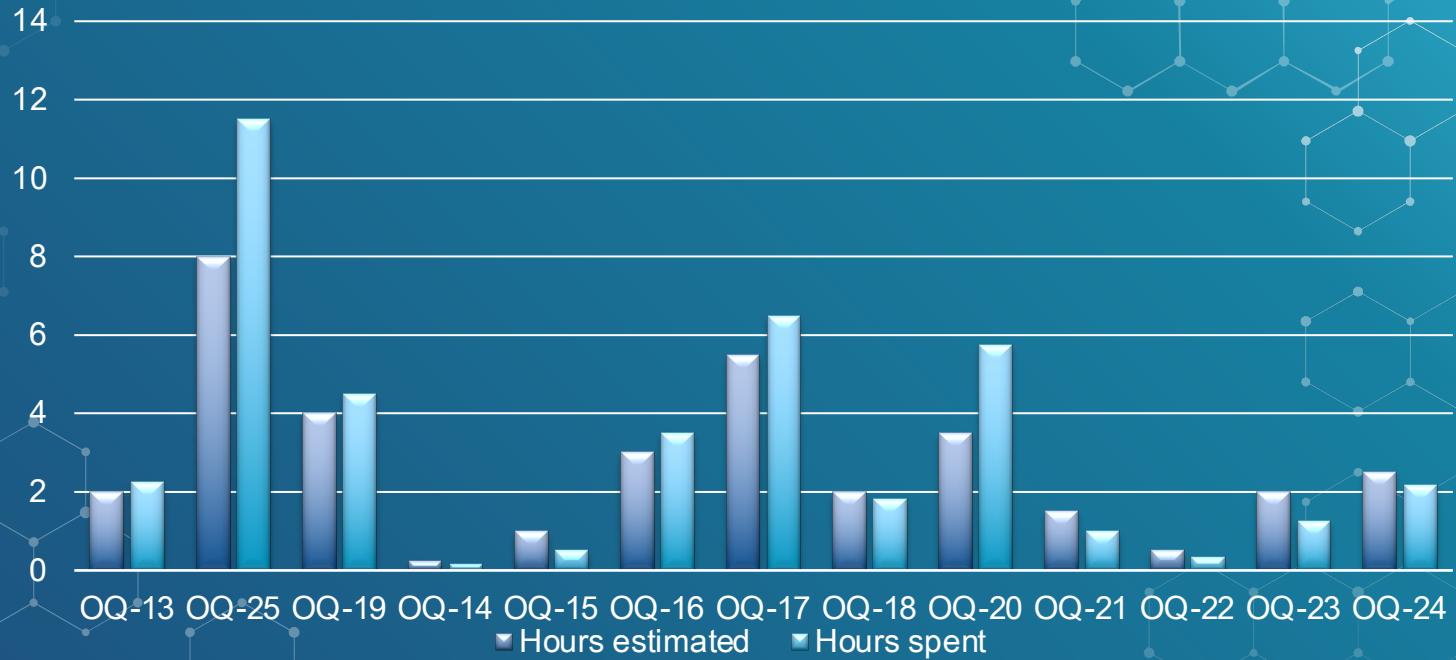
# Macro statistics

- ◆ All stories were done
- ◆ All points were done
- ◆ Number of hours planned = 35,75

◆ Number of hours spent = 41,25



# Task hours





# Detailed statistics

## Estimated case

- ◆ Avarage of hours per task = 2,75
- ◆ Standard deviation of hours per task = 2,14

## Actual case

- ◆ Avarage of hours per task = 3,17
- ◆ Standard deviation of hours per task = 3,23



# Detailed statistics

Story1	Number of tasks	Points	Total hours estimated	Total hours spent	Error ratio
0Q-10 As a customer, I want to receive a ticket, so that I can satisfy my request	5	3	14,35	16,55	0,87
0Q-5 As an officer, I want to tell the system when I am ready, so that I can serve the next customer	4	1	11,6	14,05	0,83
0Q-8 As an officer, I want to see the queue reset every morning, so that I can start working	1	1	2,1	2,63	0,8
0Q-3 As a customer, I want to know how many other customers are ahead of me, so that I can decide whether to take the ticket or not	1	3	3,6	3,55	1,01
0Q-6 As a customer, I want to see on the display board when it is my time to be served, so that I can go to the counter	1	2	4,1	4,47	0,92



# Detailed statistics

- ◆ Total hours estimated = 35,75
  - ◆ Total hours spent = 41,25
- ◆ Total task estimation error ratio = 0,87



# Quality



# Quality

	Estimated hours	Hours
Unit test	4	2
System test	4	1
Code review	6	3



# Quality

- ◆ Total estimated time: **14h**
- ◆ Nr of automated unit tests: **0**
- ◆ Only manual tests
- ◆ Difficulty in meeting the estimates
- ◆ Due to the lack of knowledge about automated tests methodology



# Assessment



# Current Sprint

- ◆ Underestimation of tests and learning
- ◆ Positive 

  - ◆ how to divide work in a big project

- ◆ Negative 

  - ◆ conceptual schema definition of db
  - ◆ few effort in unit testing



# Future Sprints

- ◆ Automated Unit Tests
  - ◆ More accurate work log
- ◆ (More time in DB definition)

Efficient  
Fast  
Independent

