

# Group I - Retrospective Sprint #3

## Process Measures

### Macro Statistics

- Number of story committed : 8
- Number of story done : 8
- Total points committed/done : 17
- Number of hours planned: 64
- Number of hours spent: 56,5

### Detailed Statistics

- Hours per task, on average: 2 h

Id Story	Nr of Tasks	Story Points	Tot h Estimated	Tot h Spent
20	5	3	7,5	6,5
21	8	1	14,5	13
22	5	1	4	3
23	8	5	15	14
24	5	2	5,5	5
25	5	2	4,5	4
26	5	1	4	2
28	5	2	5	5

- Total task estimation error :  $64/56,5 = 1,17$

## Quality Measures

### *Unit Testing*

- Total hours estimated: 10
- Total hours spent: 12
- Number of automated tests: 12

### *E2E Testing*

- Total hours estimated: 10.5
- Total hours spent: 11

### *Code review*

- Total hours estimated: 4
- Total hours spent: 2.5

## **Assessment**

During the estimation phase we intended story #21 “As a teacher I want to provide a list of time slots available for parent meetings so that I can speak with them” only as publishing some interval of times for each teacher in which parents could come and talk to him, while we encountered problem of different nature when implementing this story: we have used a week table in which the teacher can insert at most three free time slots during the week, then this slots can be bookable by the parents. The Javascript used for this procedure required more time than expected and then we spent a lot of time in solving problems related to the booking of timeslots.

For other stories we had not any particular problem or misunderstanding, so their estimation hours and their actual hours are more or less the same.

During this sprint we’ve learnt new functions of the Laravel framework, such as pluck, that can be used in sql queries, and also to setup the SonarQube utility to use it in the next sprint for Technical Debt.

In the previous sprint we said we wanted to be more strict about our time budget, and during this sprint we’ve managed to work for the exact amount of time we were supposed to work (6 person hours per week), so we reached this goal, and we also detailed in a better way the hours spent on the project on the timesheet file.

Unfortunately, we were not able to reach the other goal we’ve set: our code still lacks of comments and we’ve managed to do only a single code review. Moreover, we cannot increase the number of meetings in which we were present altogether, for different reasons, and the Telegram group is still a communication tool not used by all of us.

For the next sprint we aim to add the new stories in an efficient way, without over-committing, and also to implement the Technical Debt in an intelligent way. We need to solve some problems we’ve found about the last sprint, so we will add them to our sprint and give priority to them.

We are proud of our estimation ability, which is improving from sprint to sprint!