
Metric Definition

for

Human Computer Interaction Project

Versión 0.1

Prepared by

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Revisions

Version	Primary Author(s)	Description of Version	Date Completed
0.1	Manuel Martin Rico	Initial Templat. Initial Definition	01/03/2020

Introduction

Document Purpose

This document is about the definition of the metric that will help the team to measure how much effort and collaboration the team members had in the course of the project.

This metric must be simple and equitable for each team member and It must be easy to recreate.

Metric proposal

About the work methodology

The team's work methodology is helped by the ticket system of a scrum methodology. This tickets help us to see clear the jobs and activities that are in the process of the project.

About the workspace

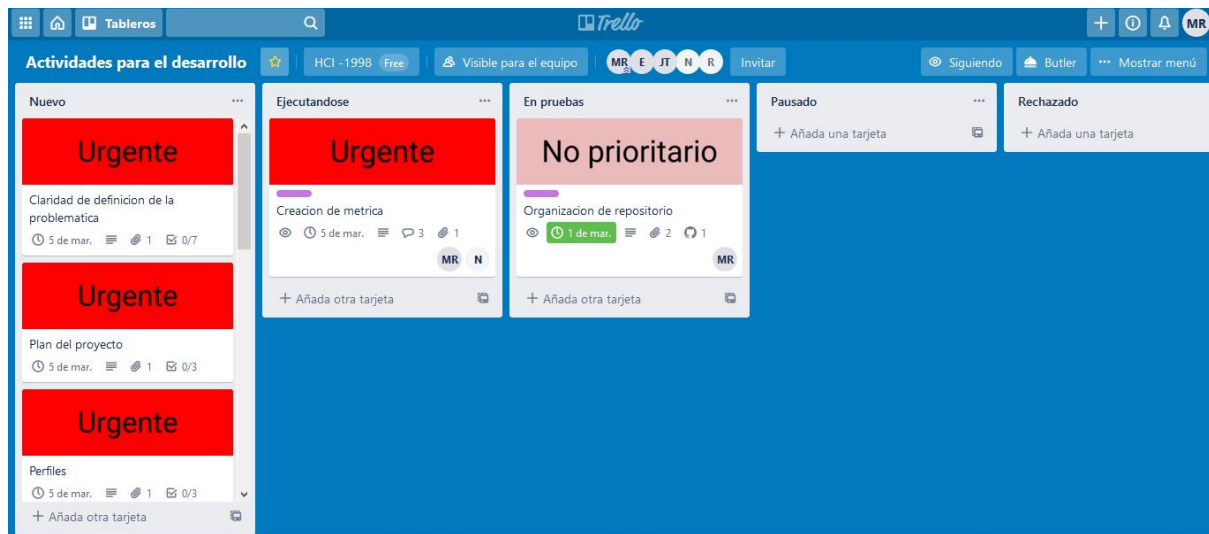


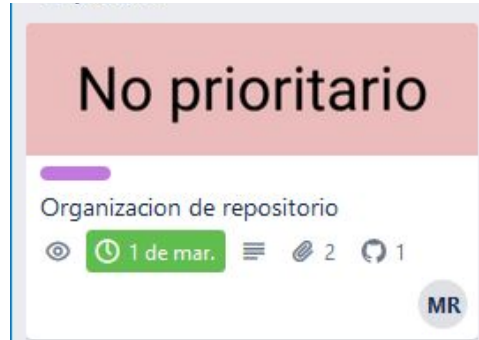
Figure 1

The figure 1 is the trello workstation. This workstation consists in 7 groups:

1. **Nuevo:** a new ticket that represent a job or a stage of the project.
2. **Ejecutándose:** A ticket that is being make it by one or more members of the team.
3. **En pruebas:** A ticket is being tested by some of the team members.
4. **Pausado:** A ticket is paused for some reason.
5. **Rechazado:** A ticket has been rejected for some reason.
6. **Finalizado:** A ticket has passed the testing and now is complete.
7. **Especificación de tickets:** Specifications about what marks define the member that works in the ticket.

About the tickets

The tickets had the next appearance:



You can see:

- The priority of the ticket.
- The owner.
- The limit date.
- Other information

If you select the ticket, you could see a specific definition and the complexity of the job, the complexity could be: Complex, normal, simple.

The metric is based in the complexity and the priority of a ticket.

For more information about the process and the job, see the documentation.

Metric definition

$$PP = \Sigma(TC_I + TP_I)$$

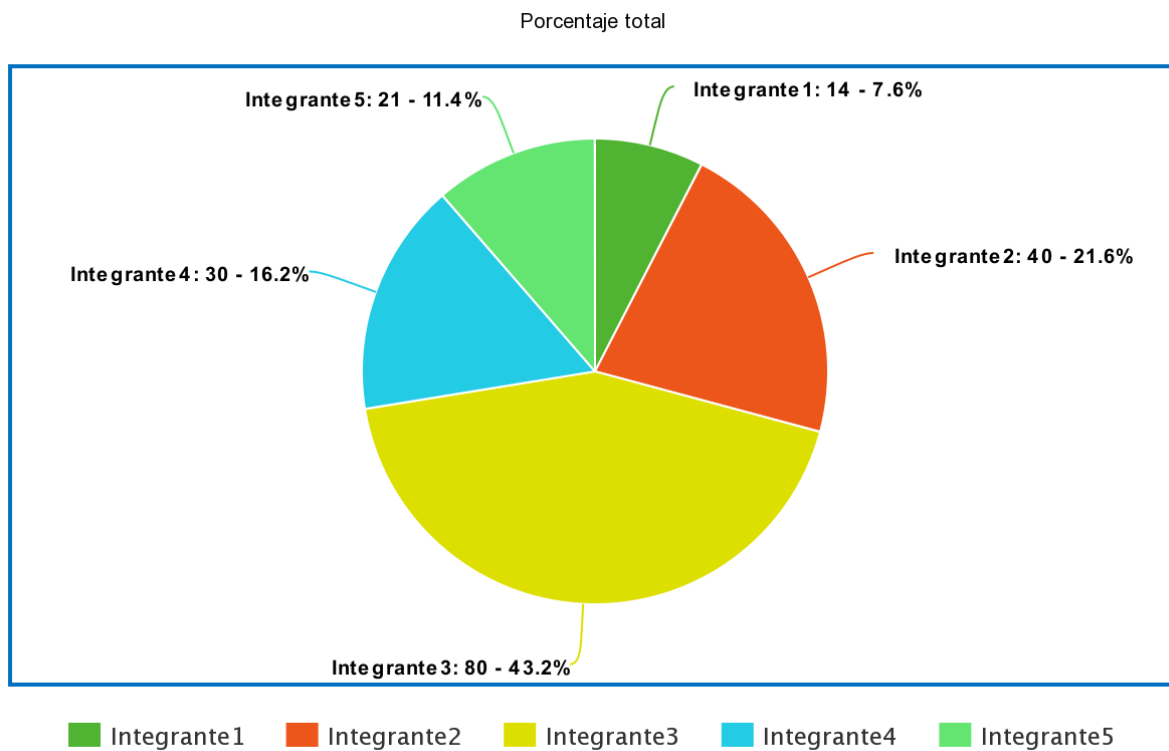
Where :

- PP: the total point of a team member.
- I: the number of the ticket that the Member has done.

$$TC = \begin{cases} 1 & \text{If the complexity is "Sencillo"} \\ 2 & \text{If the complexity is "Normal"} \\ 3 & \text{If the complexity is "Complejo"} \end{cases}$$

$$TP = \begin{cases} 1 & \text{If the priority is "No prioritario"} \\ 2 & \text{If the priority is "Normal"} \\ 3 & \text{If the priority is "Prioritario"} \end{cases}$$

After this, each total point of each of the team member will be put in a pie chart, and this automatically give us the total percent that each team member has worked.



meta-chart.com

The deal scenario would be that each member has 20% work for the project.