# Final Report

## for

# Professional Developer's Tool

**Prepared by**

**Team Name:** Madrid 2

Williams Aguilera <webnator@gmail.com>

Rasmus Pries-Heje <sumsar1989@gmail.com>

Javier Alonso <javieralonsoviana@gmail.com>

**University: Universidad Politécnica de Madrid – Spain**


**Team Name:** Milan3

Federico Reghenzani federico1.reghenzani@mail.polimi.it

Filippo Pagano filippo.pagano@mail.polimi.it

Mikel Vuka mikel.vuka@mail.polimi.it

**University: Politecnico di Milano – Italy**

This document is the short final report from development teams of "Group8".

It contains the list of the requirements provided by the Requirements Team, a short description and the current state of implementation from each team in the respective role. The teams did their best to fulfill and deliver the requests for such a project within the given deadline. The eventual lack of few requirements is either a mere consequence of time and/or relevancy. Nevertheless, given the complexity and the considerable amount of requirements, as well as the time factor, we are rather satisfied with the delivered results. We hereby present the requested report.

## Requirements implementation

**Legend:**

| DONE | PARTIAL | NO |
|------|---------|-----|

| REQ#ID | Short Description | Back-end implementation | Front-end implementation |
|--------|-------------------|------------------------|--------------------------|
| FR-1 | User account creation/edit | DONE | PARTIAL (only password can be edited) |
| FR-2 | Project creation | DONE | DONE |
| FR-3 | Backlog creation | DONE | DONE |
| FR-4 | Sprintlogs creation | DONE | DONE |
| FR-5 | Show project's backlog | DONE | DONE |
| FR-6 | Show project's sprintlogs | DONE | DONE |
| FR-7 | Tasks assigment (with points) | DONE | DONE |
| FR-8 | Tasks creation | DONE | DONE |
| FR-9 | Show pbis' tasks | DONE | DONE |
| FR-10 | Tasks' status change | DONE | DONE |
| FR-11 | Project statistics | DONE | DONE |
| FR-12 | Chat | DONE | DONE |
| FR-13 | Dashboard | DONE | DONE |
| UC-1 | User account creation | DONE | DONE |
| UC-2 | User login | DONE | DONE |
| UC-3 | User manage account | DONE | DONE |
| UC-4 | User delete account | DONE | DONE |
| UC-5 | Project creation | DONE | DONE |
| UC-6 | Project management | DONE | DONE |
| UC-7 | Project closing | DONE | DONE |
| UC-8 | Backlog, sprintlogs, tasks creation | DONE | DONE |

| UC-9 | Backlog, sprintlogs, tasks management | DONE | DONE |
|------|---------------------------------------|------|------|
| UC-10 | Backlog, sprintlogs, tasks view | DONE | DONE |
| UC-11 | Tasks' assigment | DONE | DONE |
| UC-12 | Change tasks states | DONE | DONE |
| UC-13 | Developers chart | DONE | DONE |
| UC-14 | Project's progress | DONE | DONE |
| UC-15 | Chat | DONE | DONE |
| New-1 | Show sprint log burn down chart | DONE | DONE |
| New-2 | Show completion percentage of the project | DONE | DONE |
| New-3 | Store completion time of the tasks | DONE | DONE |

Mandatory FR: 9/9

Nice-to-have FR: 4/4

New found requirements: 3/3

## New requirements

- Show sprint log burn down chart: A chart that allows the users of the project to visualize the current state of sprint log completion, something very much used in the sprint log methodology.

- Show completion percentage of the project: Shows in a numerical value the percentage of backlog items completed to the current date, for easy visualization of the project's state.

- Store completion time of the tasks: Stores when the task was marked as completed by the responsible of it, so the burn down chart can be created, and the project manager is able to see if the dead lines were met.

## Open issues

- Backend

  - A security problem of EWF reported at github repository (#157) and fixed only in svn version.

  - Some stability problems with EWF when, for instance, a client closes the connection before receiving answer: the application crashes with Broken Pipe error. There is no method to resolve this issue with this framework.

- Frontend:

  - Many difficulties to install Eiffel Studio in OS X and Windows (Specially OS X) which caused delay of the integration with the back end services