



# **UNIVERSIDAD MODELO**

Software engineering

Fundamentals of the cloud

Scrum Method

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# Introduction

**DevOps** is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes. This speed enables organizations to better serve their customers and compete more effectively in the market.

In this project DevOps is going to be useful because with this model we can work across the entire application lifecycle, from development and test to deployment to operations, and develop a range of skills not limited to a single function. These tools also help us to independently accomplish tasks (for example, deploying code or provisioning infrastructure), and this further increases a team's velocity.

## Scrum Daily

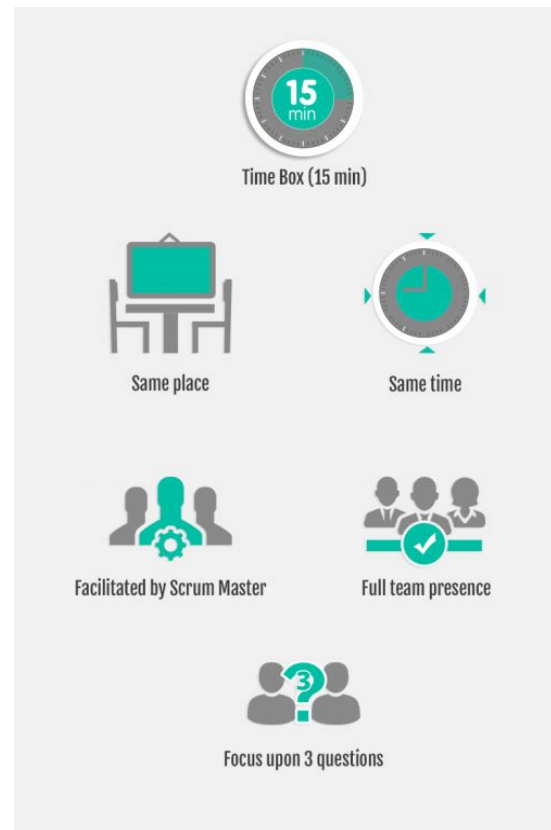
The scrum daily meeting goal is to improve communication, eliminate other meetings, identify impediments to development for removal, promote quick decision-making, and improve the Development Team's level of knowledge.

Our Scrum Daily meeting are going to take place every day in the same place (meetings office) and at the same time (10:00 am) each day, and is gonna take strictly time-boxed to 15-20 minutes, with the goal of make a brisk but relevant meeting. The meeting is going to be in the morning this in way to set the context for the working day.

The tool we are going to use for the scrum dailys is Trello. Trello is a collaboration tool that organizes your projects into boards. Trello tells you what's being worked on, who's working on what, and where something is in a process.

## Bi weekly Scrum

Bi weekl scrum meetings are going to be every 2 weeks and the goal of this is to further verify the problems within the development of the project as well as its progress.



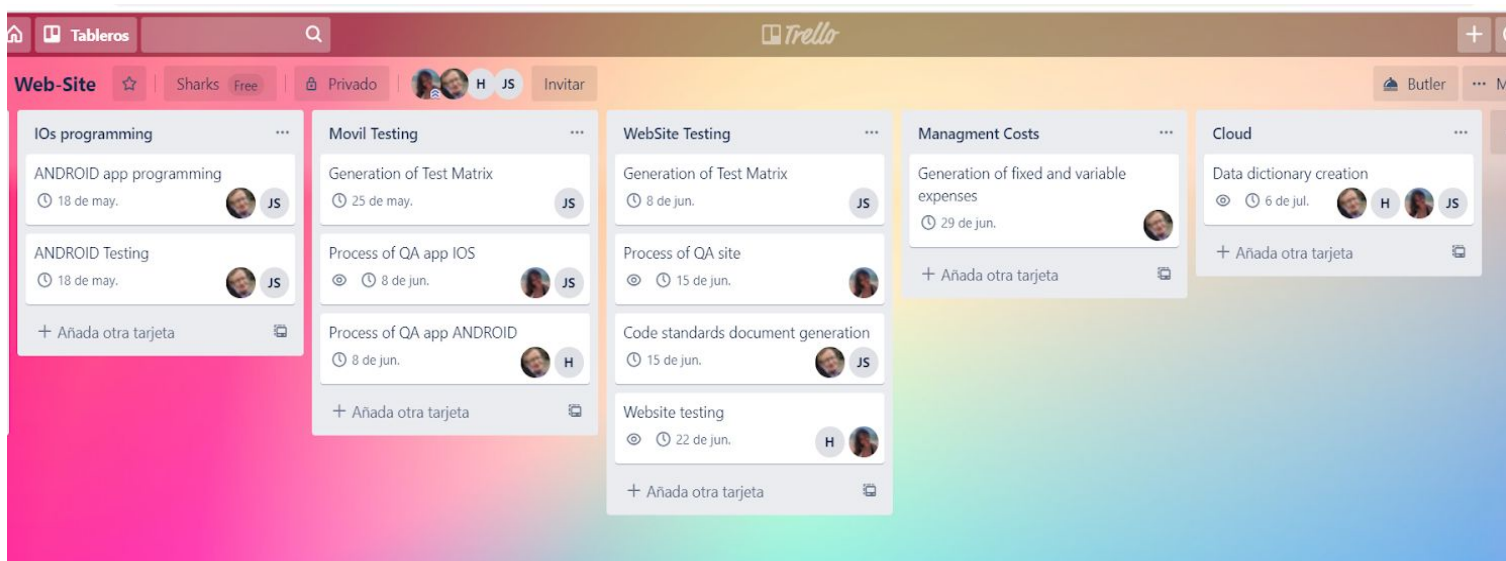
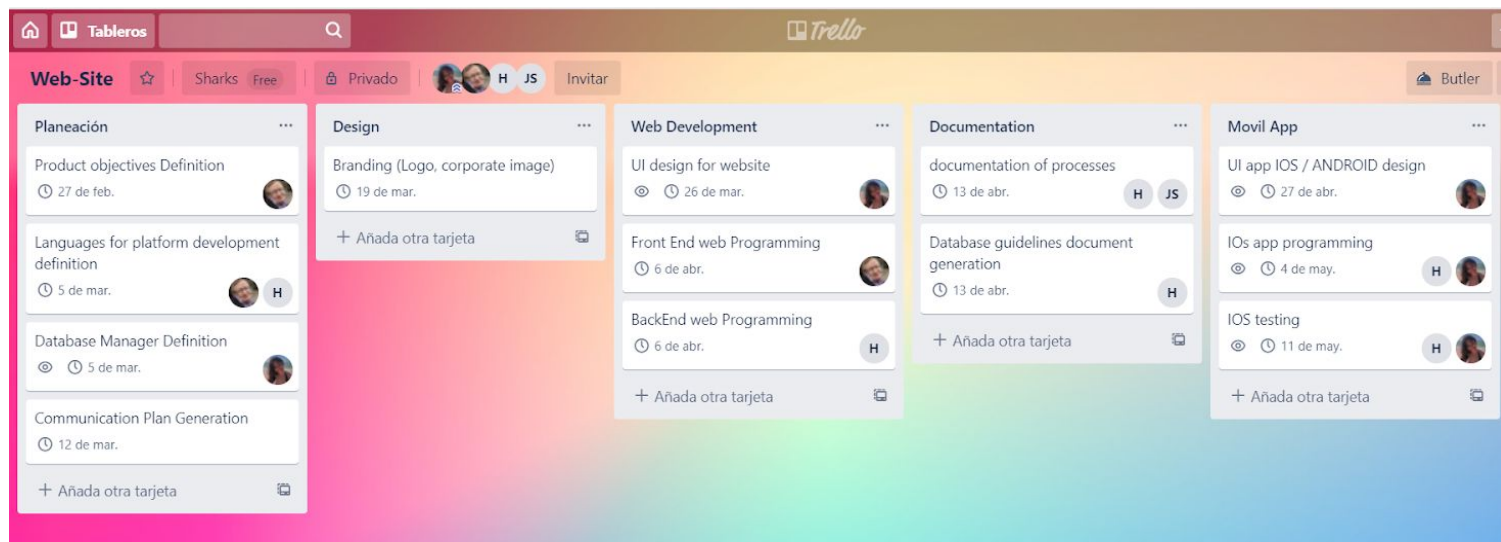
## Sprints

We need to take into consideration that a Sprint is one of the most important parts of the scrum method, because this let us divide complex tasks(backlogs) in a short period on a efficient way.

**It is recommended that the sprints last no more than 3 weeks.**

Each backlog has a developer that needs to work in it, in order to deliver the assigned tasks in a timely manner.

In the following images it is shown how the sprint will be done with the trello app, which backlog is in each sprint, who is going to work in each backlog and how many time they have to complete the task.



## Work Roles

- Logic programmer for mobile app and website:

Heyner Cruz

- User interface designer for mobile app and web page:

Jade Bañuelos

- Database designer:

Heyner Cruz and Ana Castillo

- Documenter:

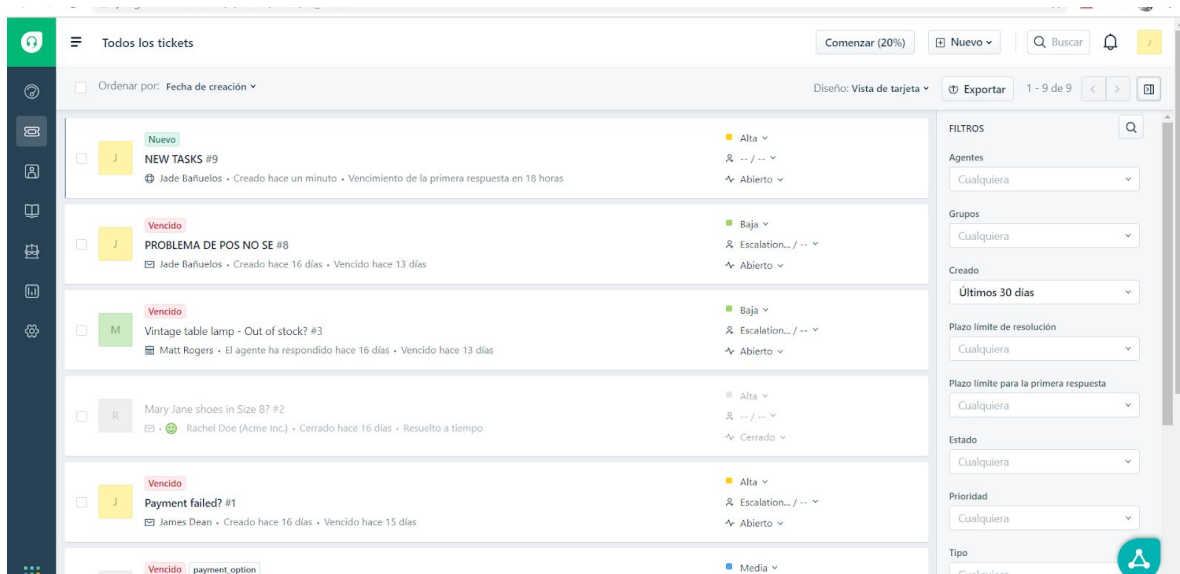
Jorge Serrano

- Project Manager and Quality Standards Manager:

Jade Bañuelos

## Support and tracking tool with ticket generation

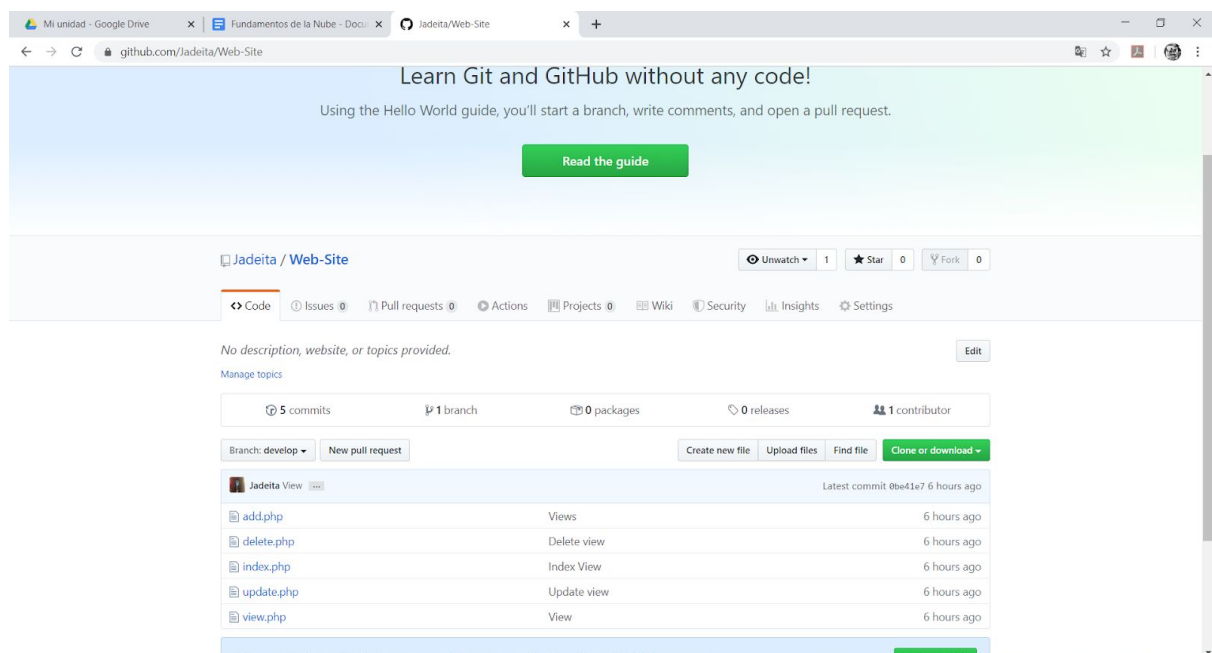
For the support and tracking tool with ticket generation, we are going to use Fresh Desk because with this tool we can track and manage incoming support tickets from multiple channels with one inbox, create custom statuses that suit our workflows to identify what stage a ticket is in and we can share ownership of tickets with other teams without losing visibility into progress being made on the issue.



## Workflow and version control

For this project we are going to use github. Github is a git repository hosting service, but it adds many of its own features. While Git is a command line tool, GitHub provides a Web-based graphical interface. It provides access control and several collaboration features, such as a wikis and basic task management tools for every project. In other way, we are going to use Fork. Fork is a tool of collaborative work, is a version control tool in which you can edit, reorder and squash your commits using visual interactive rebase, displays your commits and branches in the most clear way.

So this are the tools that we are going to use for version controls, they are effective, easy to use, and improves the workflow between the developers.



File Repository View About Fork 1.44.0

Quick Launch Fetch Pull Push Stash

Web-Site

FORK

Web-Site

Changes

All Commits

Filter

Branches

develop

master

Remotes

origin

Tags

Stashes

Submodules

11

Change in add view

origin/develop View

Delete view

Update view

Index View

master Views

Jade Bañuelos 981d1bb 20 Feb 2020 17:24

Jade Bañuelos 0be41e7 20 Feb 2020 11:43

Jade Bañuelos e28eb96 20 Feb 2020 11:42

Jade Bañuelos a42ed98 20 Feb 2020 11:42

Jade Bañuelos 27db3d1 20 Feb 2020 11:42

Jade Bañuelos 93ec6cf 20 Feb 2020 11:41

Commit Changes File Tree

AUTHOR

Jade Bañuelos joibg.ver@gmail.com

20 Feb. 2020 11:41:25 -06:00

REFS master

SHA 93ec6cf7a7d8c265c3d1f88787919a640ca5311

PARENTS

Views

This are all the view of the website

add.php

Expand All

File Repository View About Fork 1.44.0

Quick Launch Fetch Pull Push Stash

Web-Site

FORK

Web-Site\*

add.php

Changes (1)

All Commits

Filter

Branches

develop

master

Remotes

origin

Tags

Stashes

Submodules

Unstaged Changes

Stage

add.php

14 14 @@ -14,7 +14,7 @@

15 15 <div style="margin-top:30px">

16 16 <font color="#545454" size="5" face="Century Gothic">

17 <label> Nombre </label>

17 <label> Hola jejeje </label>

18 18 </div>

19 19 <input type="text" name = "nombre"/><br />

20 20 </div>

Staged Changes

Unstage

Change in add view

label content

Amend

Commit