

# Universidad Modelo

Engineering School

Engineering  
of Technology and Software  
Development



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## **1-SCRUM METHODOLOGY**

# **Definitions**

Scrum methodology is a process in which a set of good practices are applied on a regular basis to work collaboratively, as a team, and obtain the best possible result of a project.

It is useful for the work team to organize their work cycles and times, as well as to consult advances and developers to be more productive and have a higher quality job.

### **1.1 Scrum Daily**

Every day a meeting is held with each team member and they answer three questions:

- What have you done since the last meeting to help the team achieve its objective?
- What will I do from this moment to help the team achieve its objective?
- What impediments do I have or will I have to prevent us from achieving our goal?

### **1.2 Scrum Biweekly**

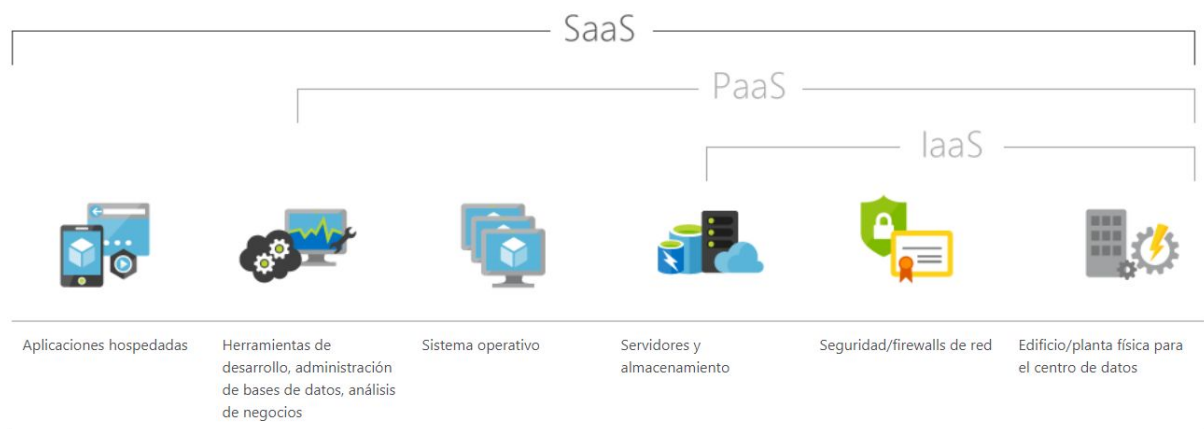
Every 15 days a meeting is held with all the members of the work team and here the progress they have had is shown, as well as pending tasks are confirmed and, like the previous one, each one is asked what impediments they have had, as well as what they have done to achieve their goal.

### **1.3 Saas**

SaaS, or Software as a Service, is a way of making available software and technology solutions through the Internet, as a service.

Internet connection is only necessary.

These use Cloud Computing a clear example is Trello, Monday.com, go daddy, wix, etc. Saas is all software that offers a service that is on the web.



## 1.4 Trello

Trello is a platform on which you can work both alone and as a team, there you can organize the requirements of the project to be developed in dashboard mode, right there you can specify the tasks to be performed by each team member, as well as deploy and move tasks as you like.



## 1.5 Explanation of how to organize the project

In my case, to apply the Scrum methodology I use Trello as follows:

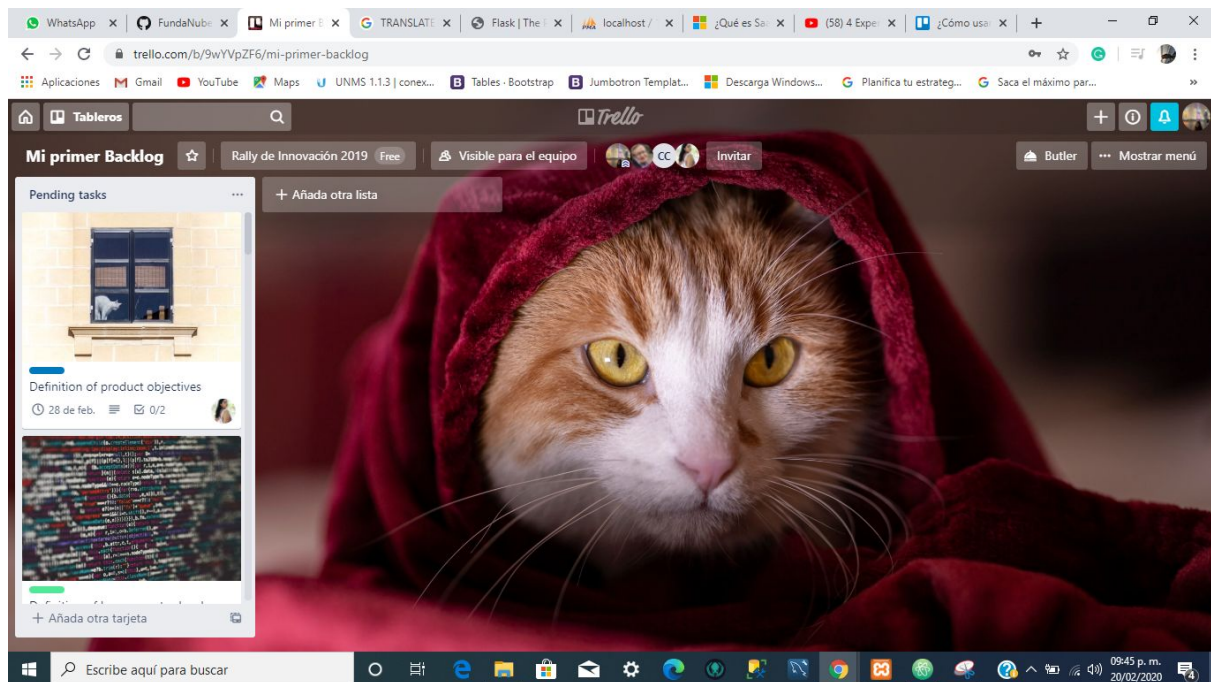


Image 1: First we create the main "Pending Tasks" card in which record all important sections.

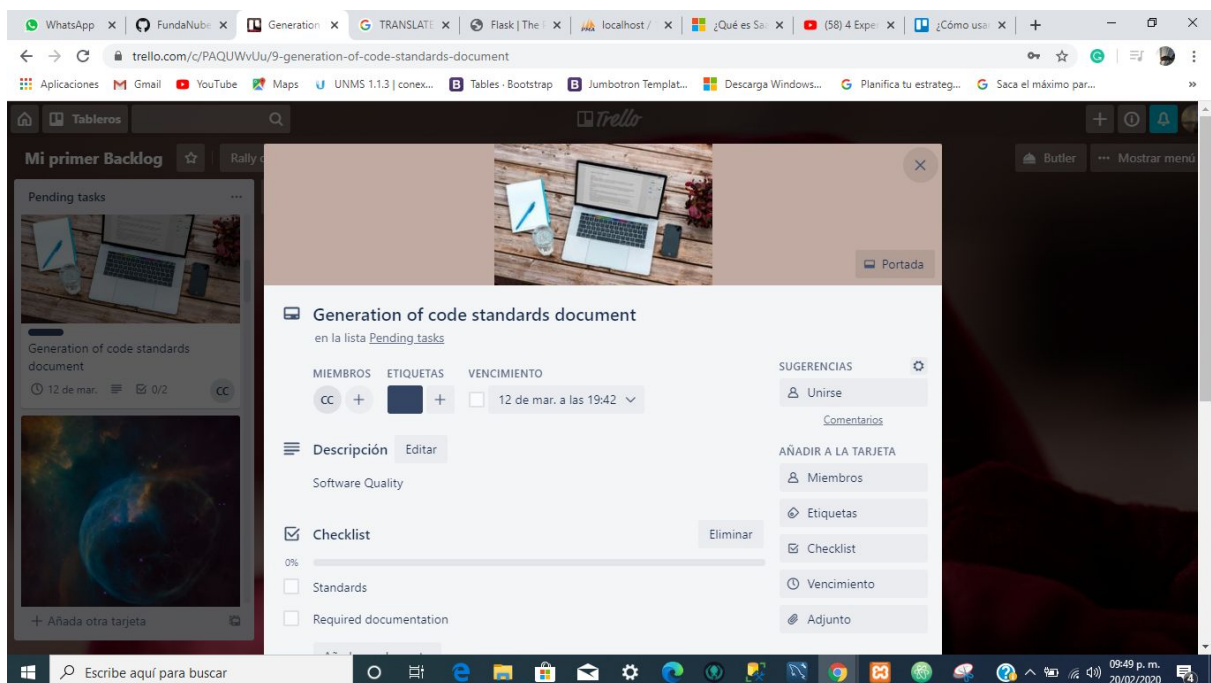


Image 2: In each of the sections we have to add to the team members who will work in those areas, a checklist of the tasks designated to that particular section, as well as a label to have a greater organization and very important an expiration date of that Apart from that, since working times are well

organized by section, we guarantee that the project ends at the time promised to the client.

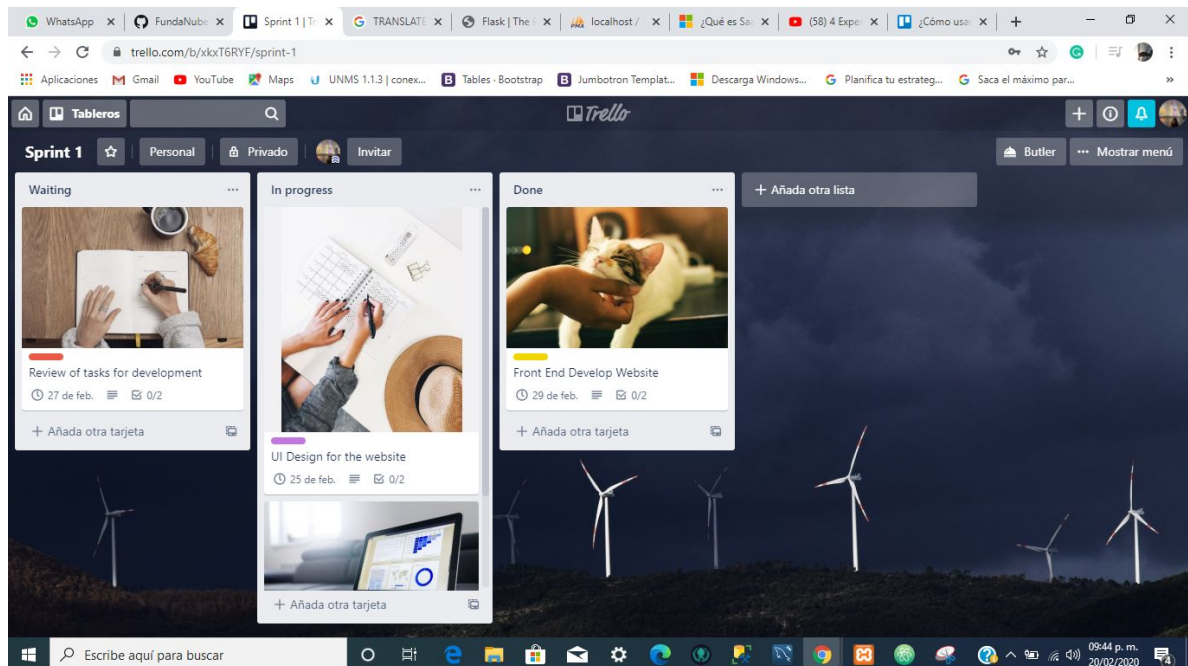
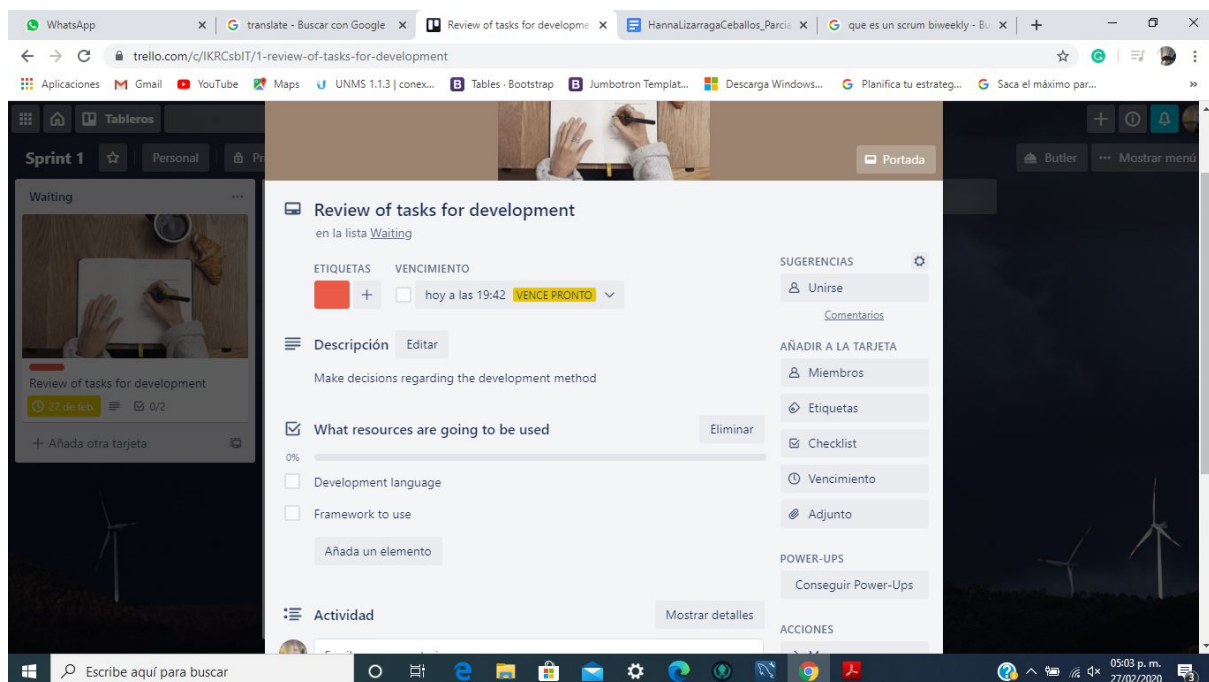


Image 3: On another table we created the distribution of earrings, these were divided into 3 sections, (Waiting, In Progress, Done), in these we can move "the pending tasks" that our sections have and classify them in what condition they are.





#### Image 4:

This section is in "waiting", that is to say, waiting to be carried out by the work team. You can also see a yellow marking above, a warning that the delivery date of the tasks corresponding to this section is about to expire.

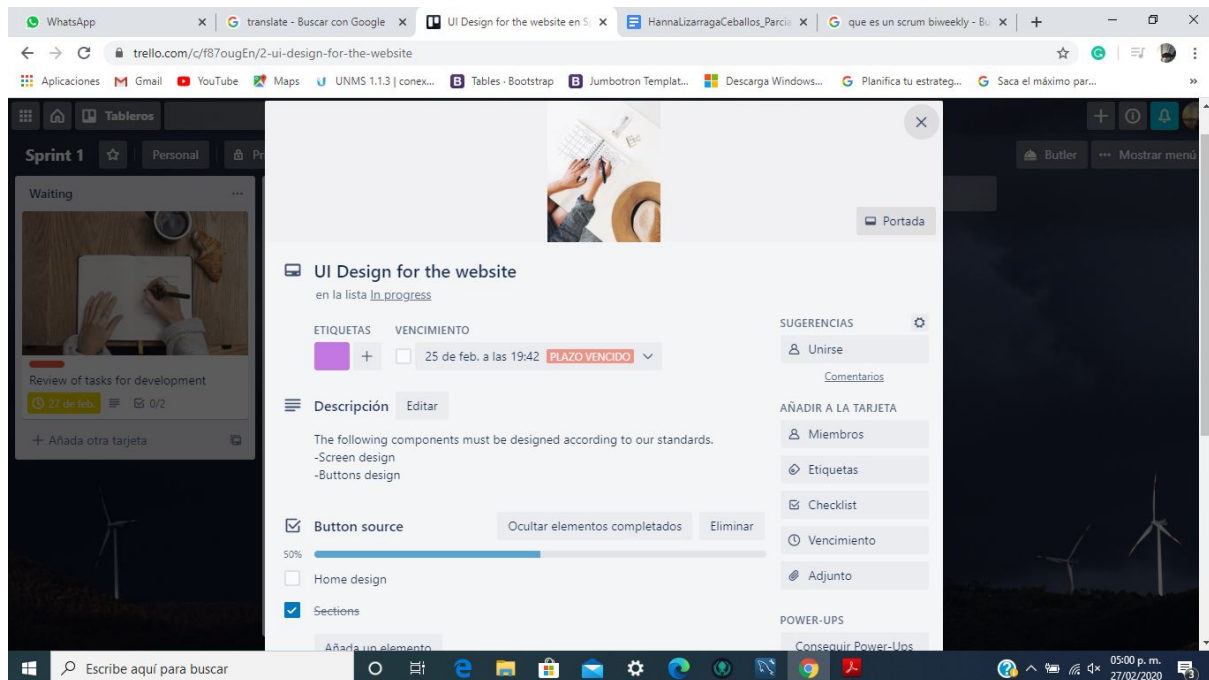


Image 5: In this case, this section was moved to "In Process", that is, it is under development and as can be seen in the image, as the checklist is made, the corresponding tasks are marked.

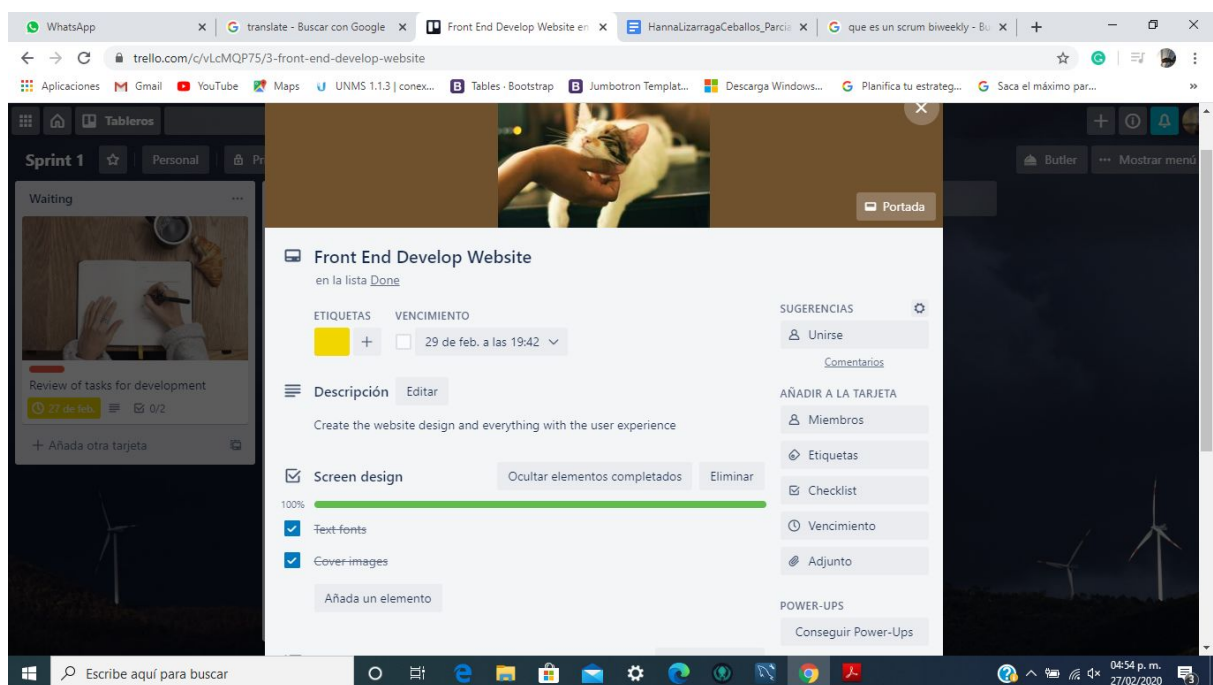


Image 6: This section moved in this case to "Done" this means that this pending task is completed and as can be seen in the image, as the checklist is made, the corresponding tasks are marked.

## 1.6 Tickets/FreshDesk

The Freshdesk tool is used to notify us in the form of tickets the comments or complaints of users who are using our platform. This is responsible for ordering in an organized way if it is urgent, medium term and not urgent, so you can give priority to repair urgent bugs, then you can do the medium term and last but not least the "non-urgent" So you can be more productive and efficient with your product and meet customer demands.

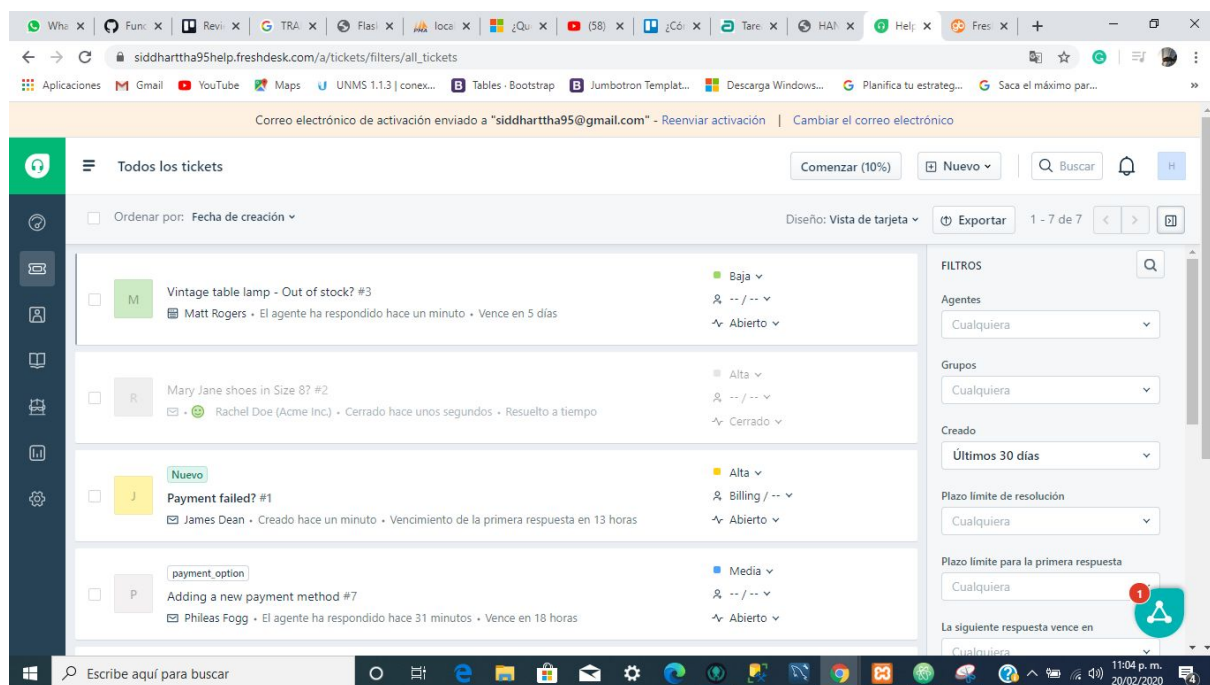


Image 7: Here in the image when entering for the first time, we have the summary of these fictional customer tickets as an example, and in the order in which you should solve the problems.



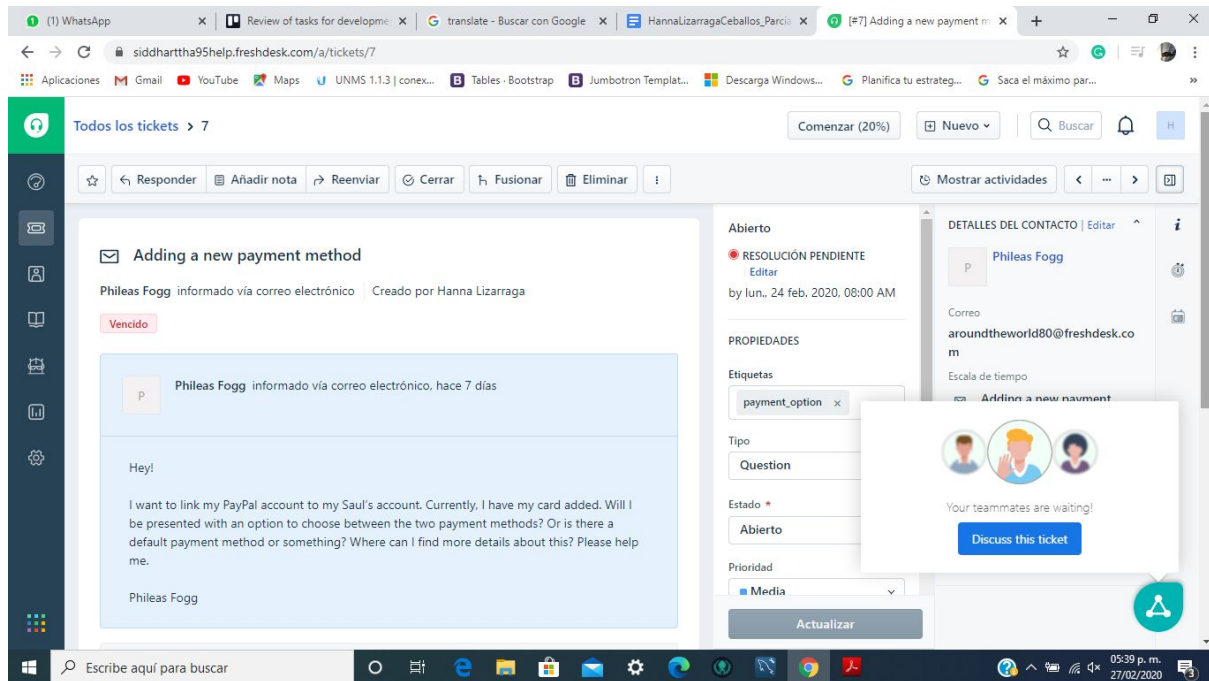


Image 8: In this example we can see that it is a ticket with "high" urgency classification and is pending resolution, as well as the expiration or expiration date regarding the response that was answered to the client.

This tool is very useful and necessary to comply and be effective when receiving comments and problems with users in the same way to solve the present problems and have a good image and attention with the user.

## 1.7 Git

In this case, I use GitKraken to create the repository, in this I can clone repositories from gitHub, Bitbucket among others, in addition to that I can control versions of the code, that is if I make modifications and this kills my code I can go to my repository and check what lines modify and so I could find and correct my error much faster.

In this, the branch allows me to separate the code to solve a problem without affecting the rest, so the production code does not affect it when I finish testing it the one to master with a "merge", in case you want to upload it to the cloud I only make "commit" and "push" and these changes join the rest.

In this case, we will use the repository to make changes in the UI Design for the website.

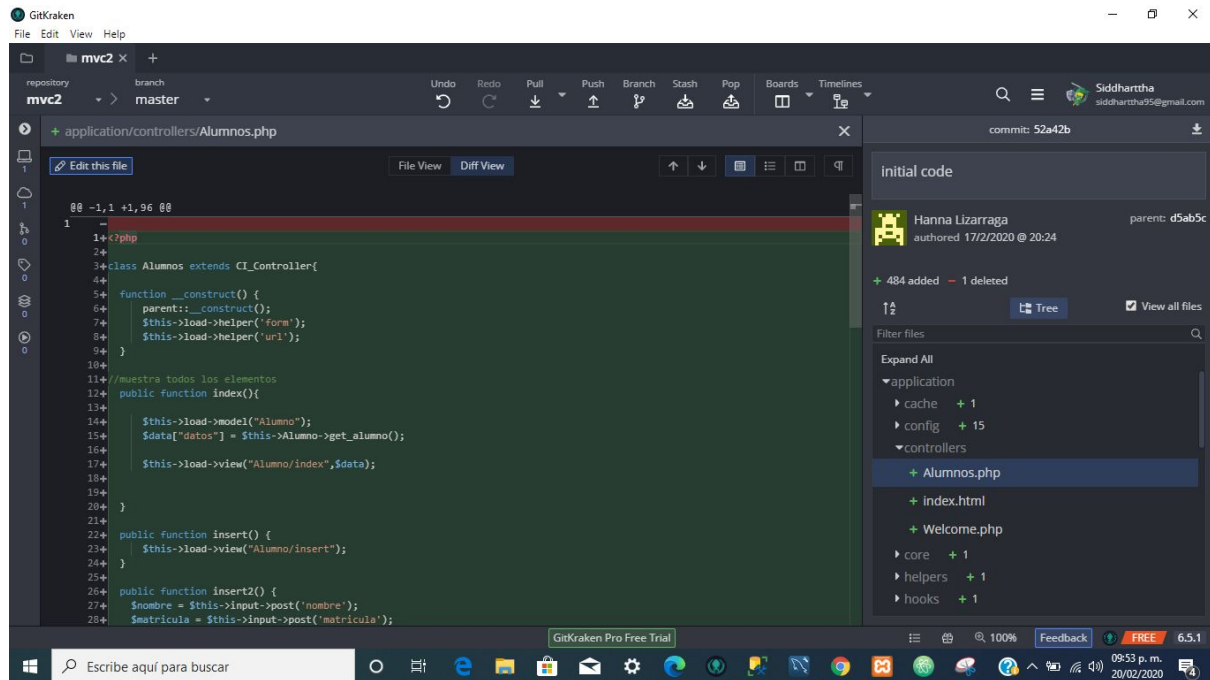
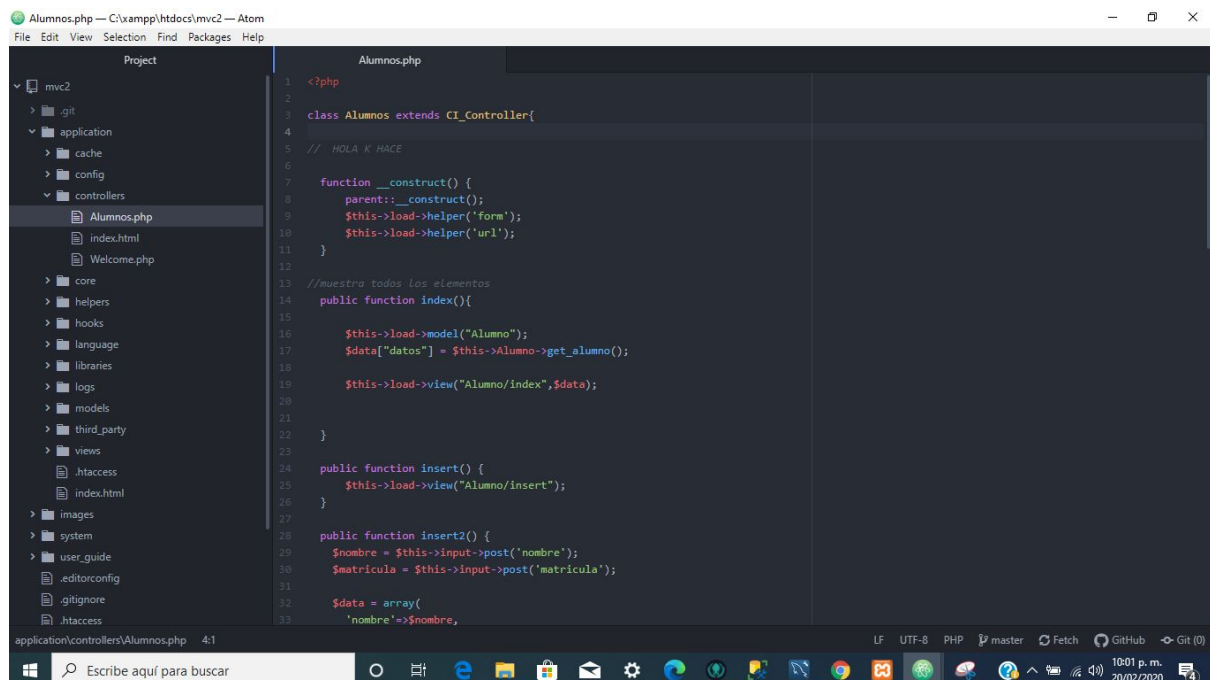


Image 1: Here we see that in the original code a phrase is added.



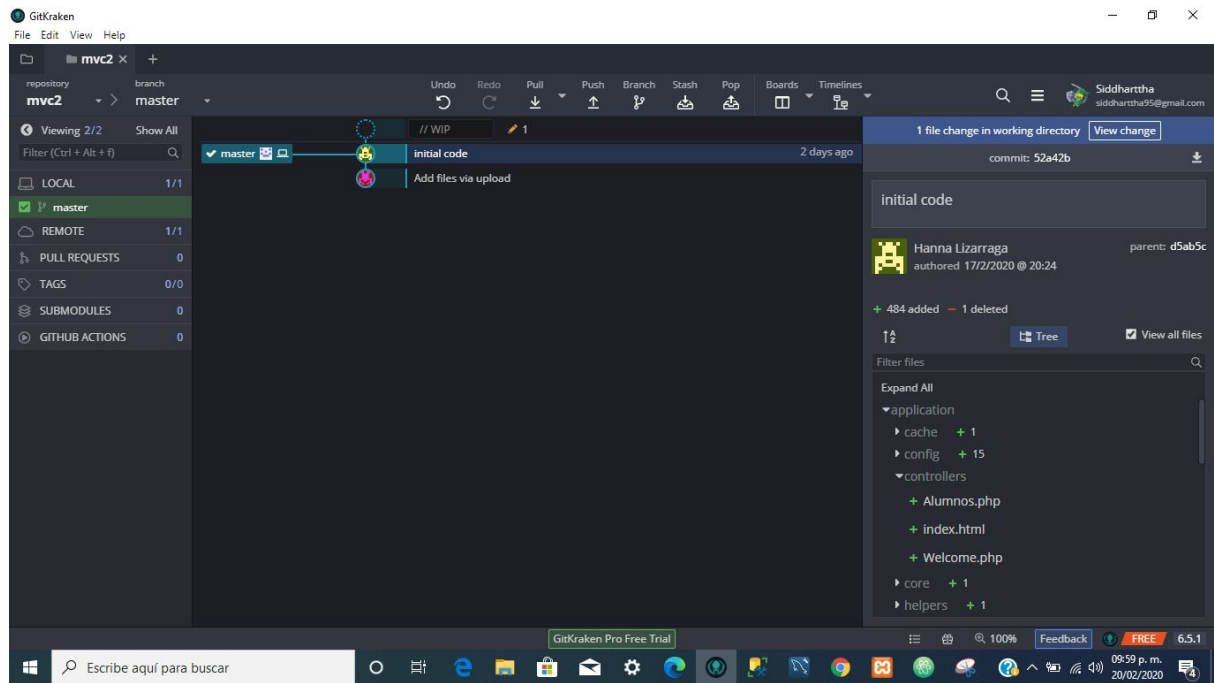


Image 3: When saving and going to our repository shows at the top of our repository that there is a new change

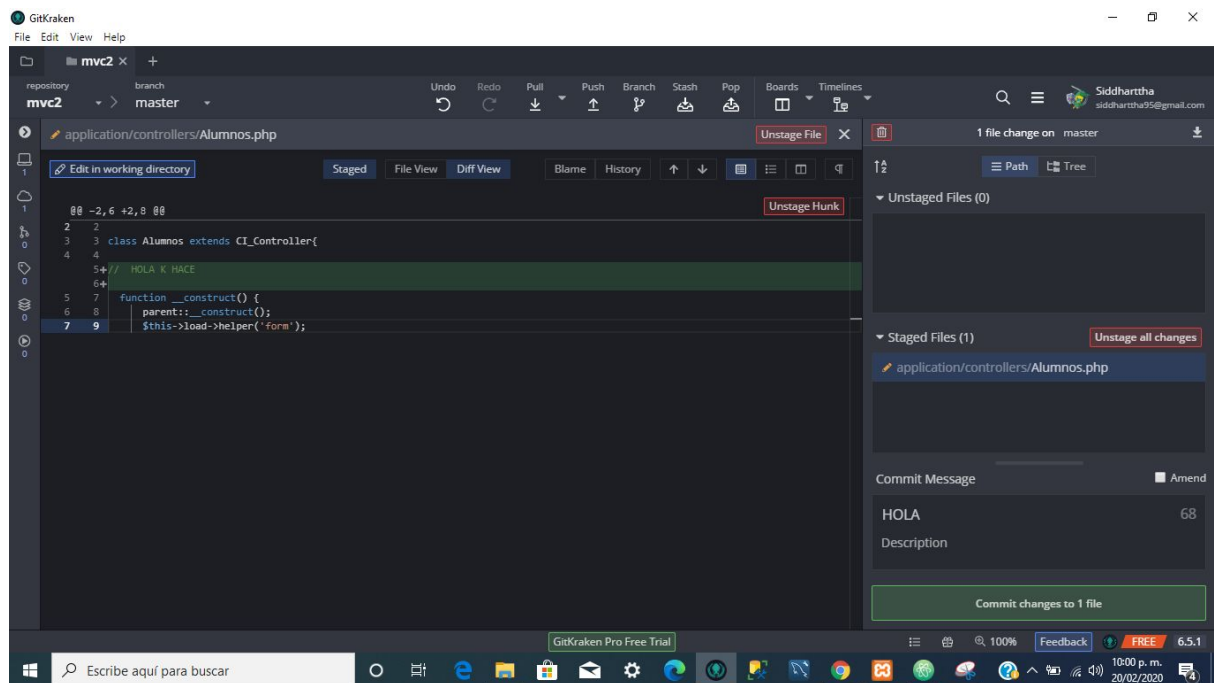


Image 4: Here the text we add to the original code appears in a green line.

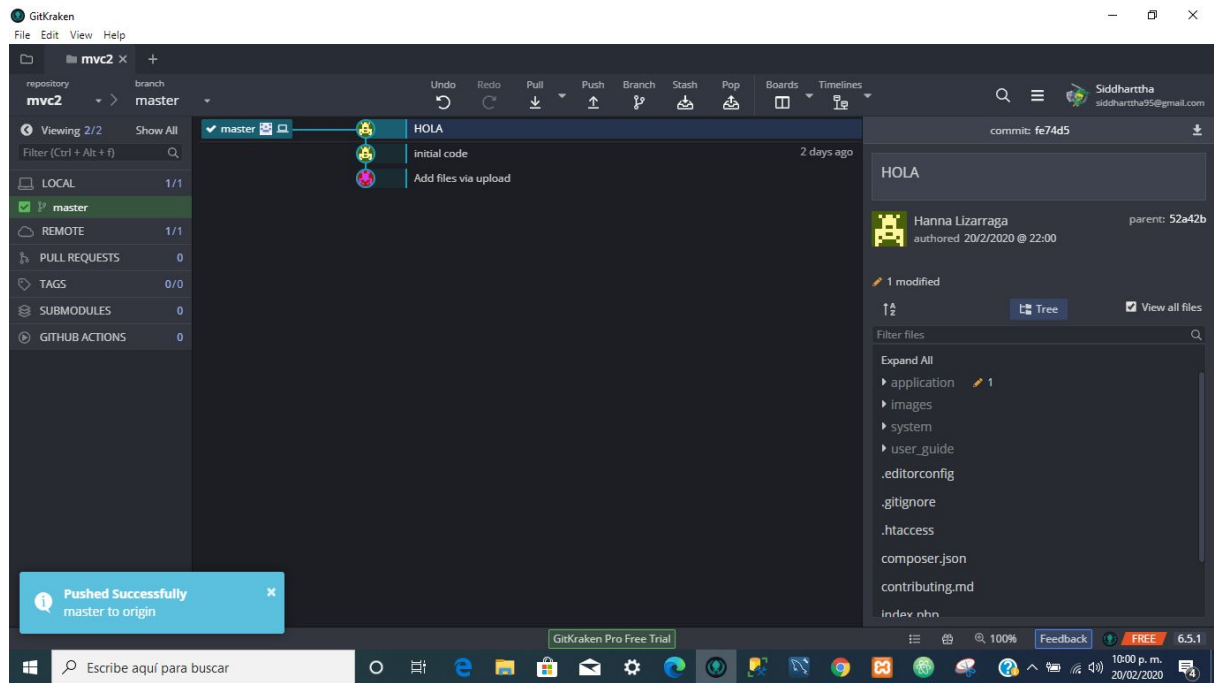


Image 5: The next step is to put a description before making "commit" and when committing and load and our change appears in "master" we "push" to upload it to the cloud.

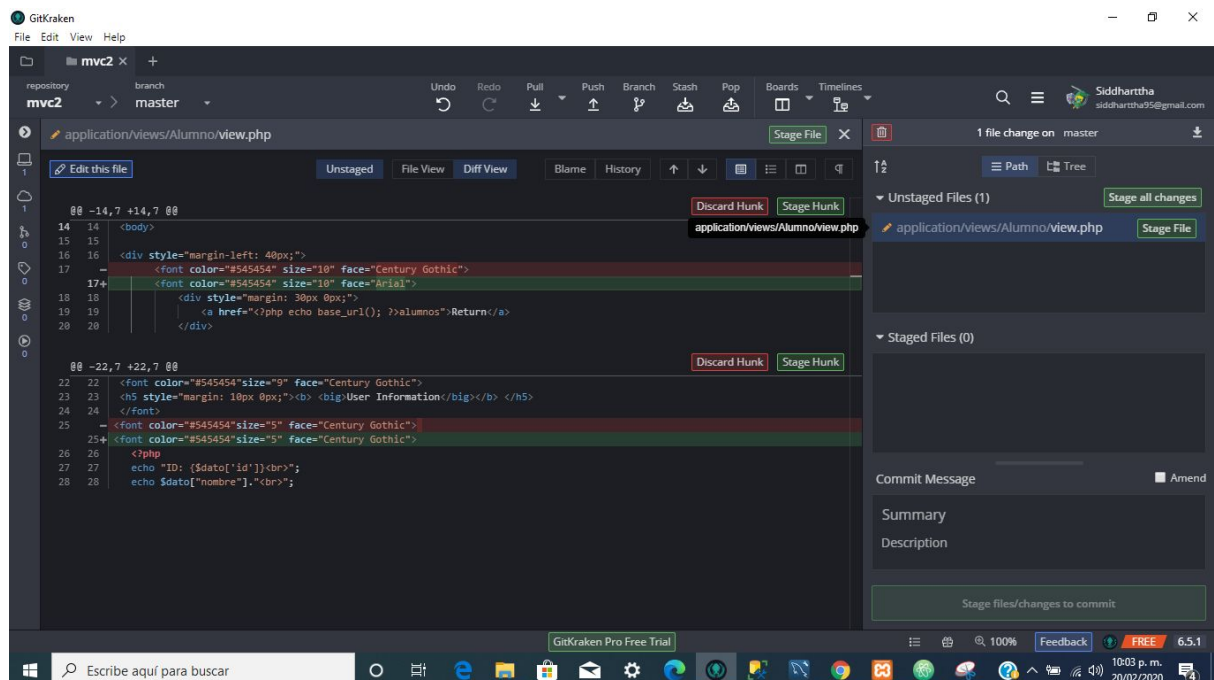


Image 6: The same steps I did with the following examples of my code in Html.

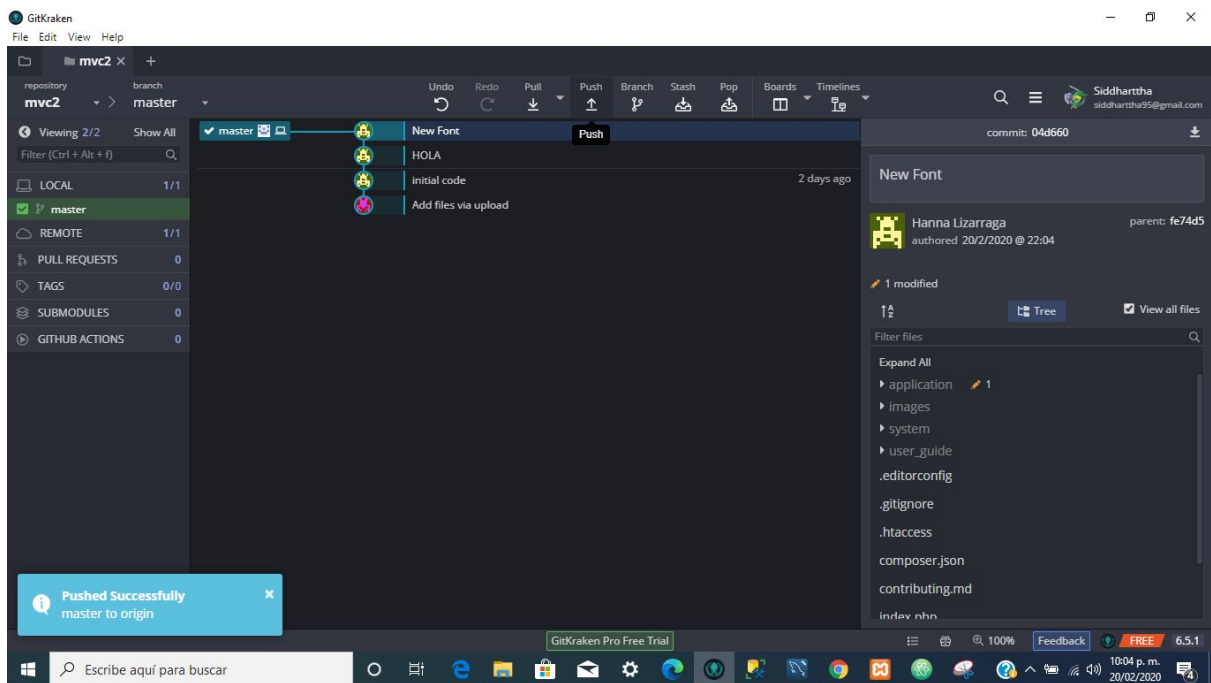


Image 7: In the example of this image I modified some lines in my code and I will save it in order to make the second commit.

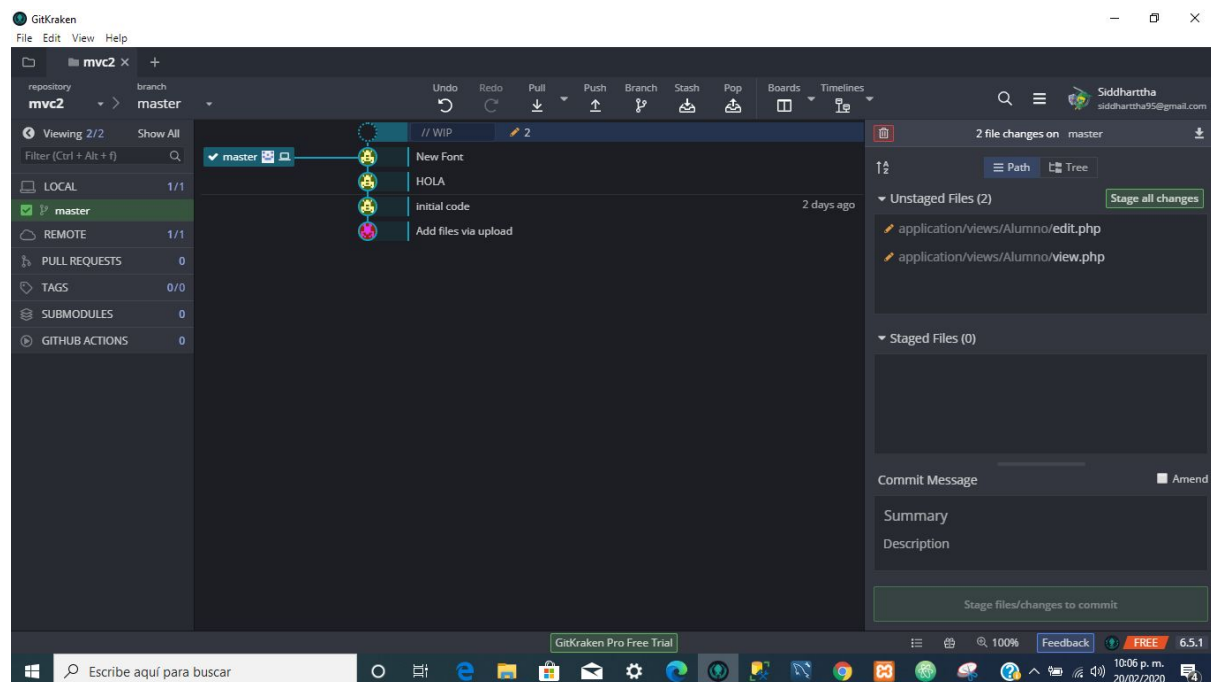


Image 8: Before push

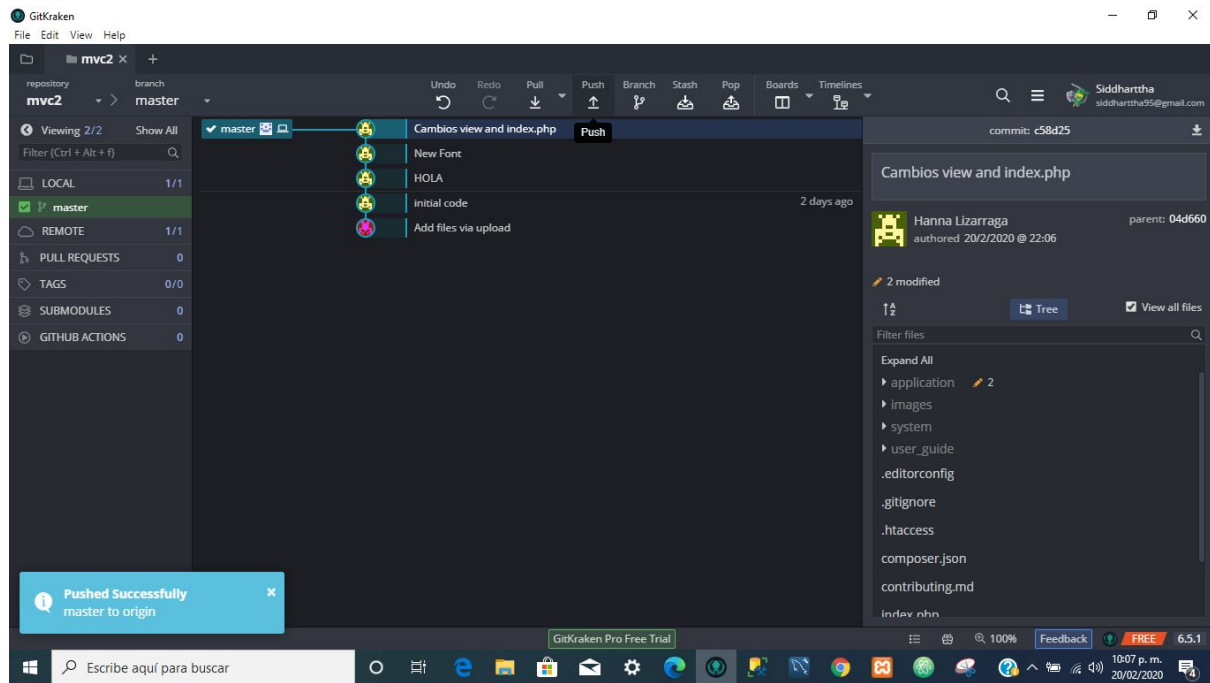


Image 9: Up here, when I already saved the changes and I gave them "upload" as shown in the image I put a description regarding the changes I made before committing, and after committing I do "push" and this is in master.

## 1.8 Conclusion

In conclusion, using a Scrum methodology to work on projects is essential for this to be successful, and with the same, learning how to use tools such as the tool to organize, plan and obtain results from the work team. There is also the use of Git to create and clone repositories which generates much more efficient when working and sharing code since being in the cloud is a safe way to save our projects, as well as it is also easier to find errors and repair "bugs" when testing code.



# Bibliographies

o TRELLO, (S.F), Recuperado de: <https://trello.com/>

o FreshDesk, (S.F), Recuperado de:  
[https://siddharttha95help.freshdesk.com/a/tickets/filters/all\\_tickets](https://siddharttha95help.freshdesk.com/a/tickets/filters/all_tickets)