Cyber Punk REAS
Soma street, 123
12345 Night City (Neuromancer)

Project Plan

April 11th, 2021

SOFTWARE PROCESS

We have decided to use SCRUM for its flexibility and because it is very efficient for projects with high uncertainty, like ours. The biggest point for choosing SCRUM is the self-organization and autonomy that it promotes on the team members.

SCRUM MEETINGS

Given the extraordinary uncertainty that we find ourselves in we decided that, rather than deciding from the start the frequency for the SCRUM meetings, we will decide that frequency in the Sprint meetings. This way if we notice that for a given Sprint we need more meetings than usual we can adapt faster and more efficiently, and when we don't need as many we can reduce them to save time.

SUB-TASK DISTRIBUTION

First off, to ensure that no task is kept undone, all people responsible for a given role are held accountable for the completion of every task related to that role. And then everyone is free to join any other task that they think they could help to complete. And in case that some tasks require more people than the already assigned, the people developing this task can ask for help from other team members.

We think this is the best approach given that we don't know the strengths and interests of all the team members. This way, we can ensure that most tasks are performed by a highly motivated team, which should improve efficiency.

Most tasks can and will be divided into sub-tasks that will be distributed amongst the people involved in the given task. In order to decide this distribution of tasks, we thought that the people responsible for that task will be the ones to determine it. Thus providing more structure to the task distribution.

TOOLS AND RESOURCES

In this field, we have chosen a minimalist approach. Given the uncertainty this project entails we cannot determine the time needed to complete almost any task, thus the use of Teamgantt and similar power-ups in Trello has been dismissed. For the task distribution and control, we will use only Trello in its “vanilla” version, using only one Sprint Board. This Board will be updated with a new column for each new Sprint. In this way, we can keep a backlog always visible of all tasks completed for all Sprints (this will serve as our “Burndown chart”) and all current tasks at the same time.

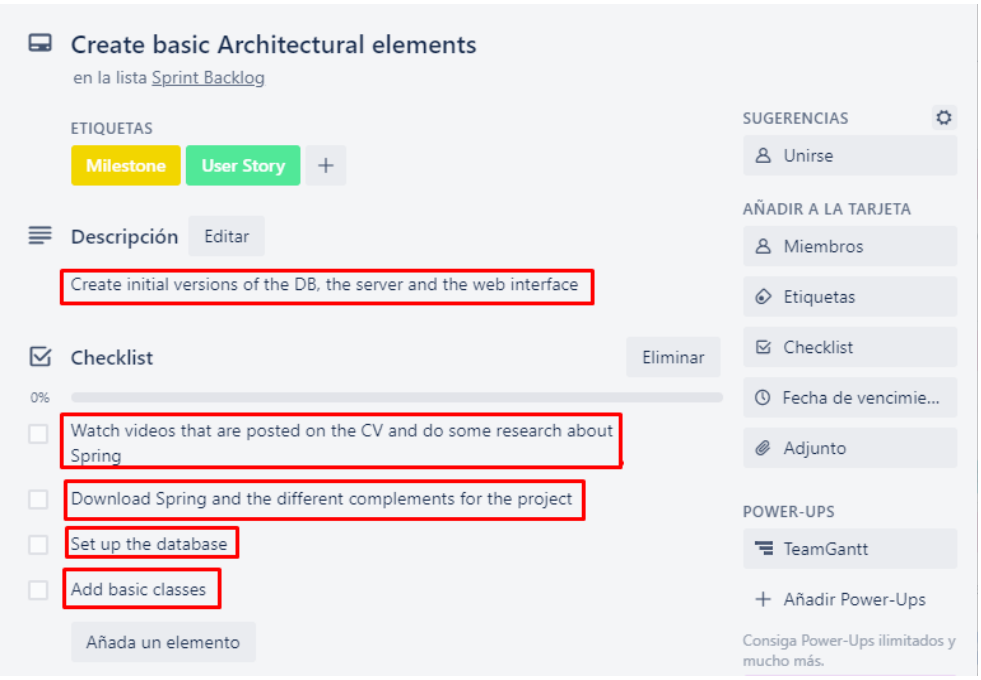
For communication and meetings, we will mostly use Discord. And we will use Git and Github for version control.

FIRST SPRINT

1. PROGRAMMING

All the tasks related to the set-up of the project and the creation of the basic architectural elements will be tackled. The tasks are:

- Do some research about Spring and learn how it works.
- Download Spring and the different complements for the project.
- Set up the database
- Start working on the implementation of the basic classes according to the diagrams.

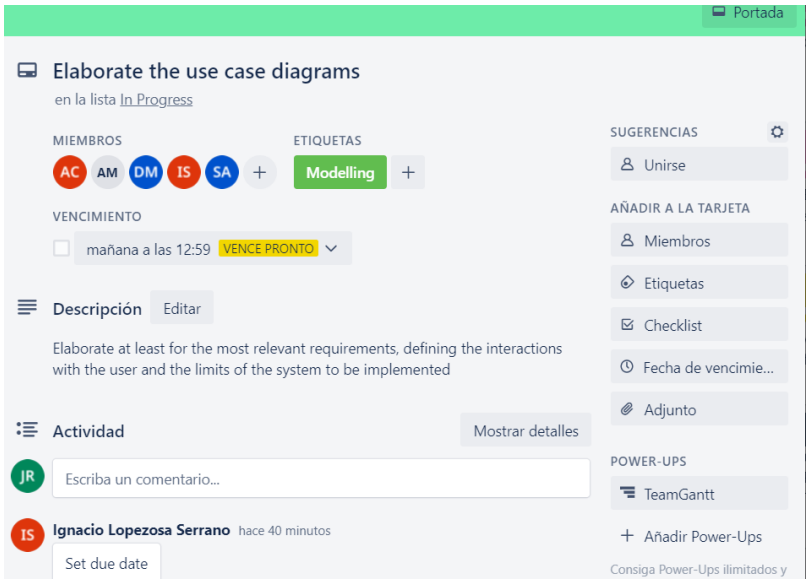


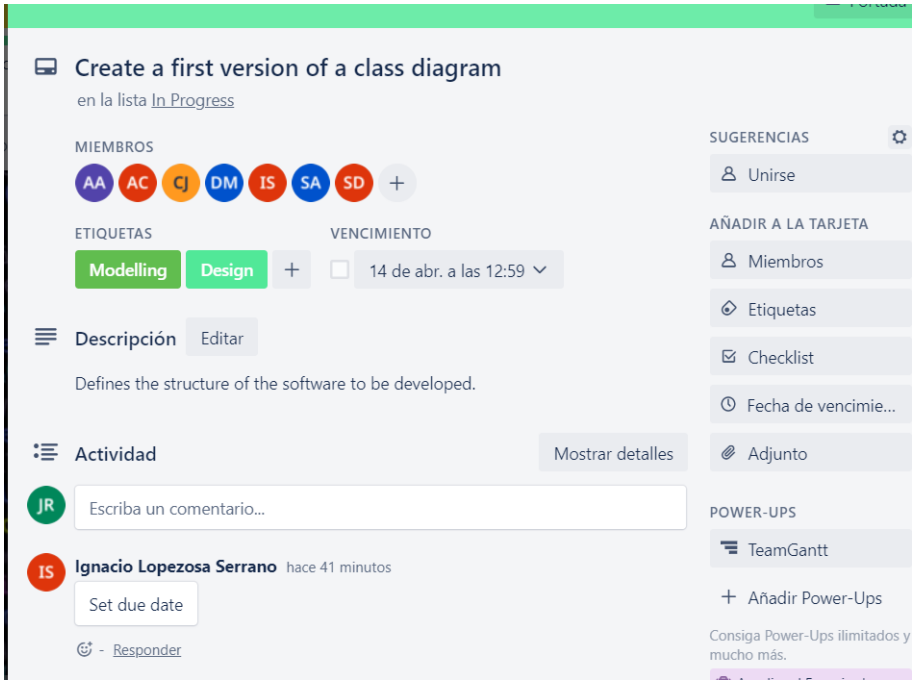
2. MODELING AND DESIGN

It is the work that will be done here that will allow the students in charge of the programming tasks to do their work. So as to enhance the efficiency, we have ordered the creation of the diagrams. The order is the following:

- Use case diagrams (due date: 13 April 2021)
- Class diagram (due date: 14 April 2021)
- Sequence diagram (due date: 15 April 2021)

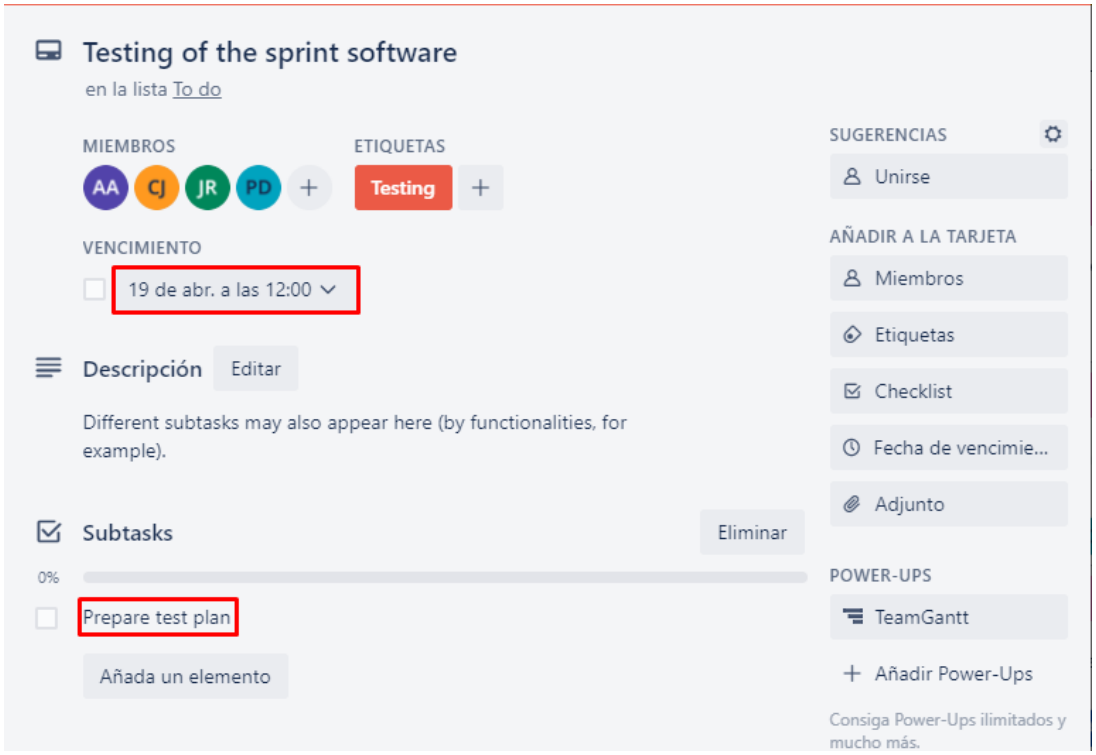
Members of the programming team and members of the modeling and design team will be working simultaneously.

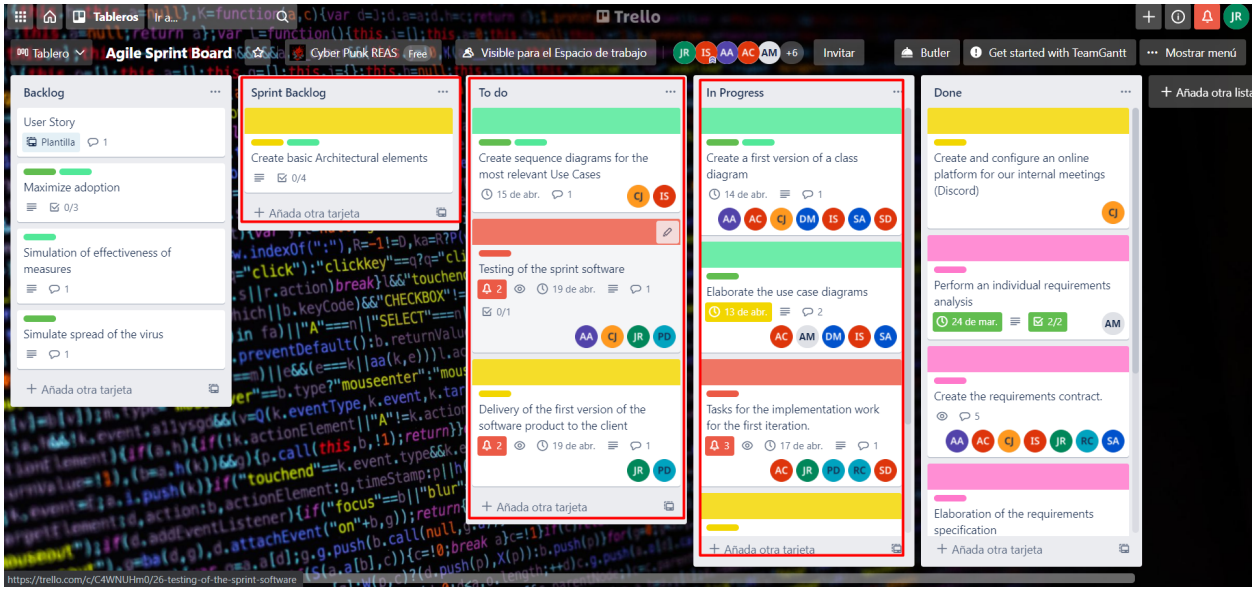




3. TESTING

Finally, the testing team will get their work done by 19 April. In order to do that, they will come up with a testing plan. The rest of the subtasks will be defined by them later on.




Trello
Agile Sprint Board
Backlog
User Story
Plantilla
Maximize adoption
Simulation of effectiveness of measures
Simulate spread of the virus
Añada otra tarjeta
Sprint Backlog
Create basic Architectural elements
Añada otra tarjeta
To do
Create sequence diagrams for the most relevant Use Cases
Testing of the sprint software
Delivery of the first version of the software product to the client
Añada otra tarjeta
In Progress
Create a first version of a class diagram
Elaborate the use case diagrams
Tasks for the implementation work for the first iteration.
Añada otra tarjeta
Done
Create and configure an online platform for our internal meetings (Discord)
Perform an individual requirements analysis
Create the requirements contract.
Elaboration of the requirements specification
Añada otra tarjeta
Añada otra lista
https://trello.com/c/C4WNUHm0/26-testing-of-the-sprint-software