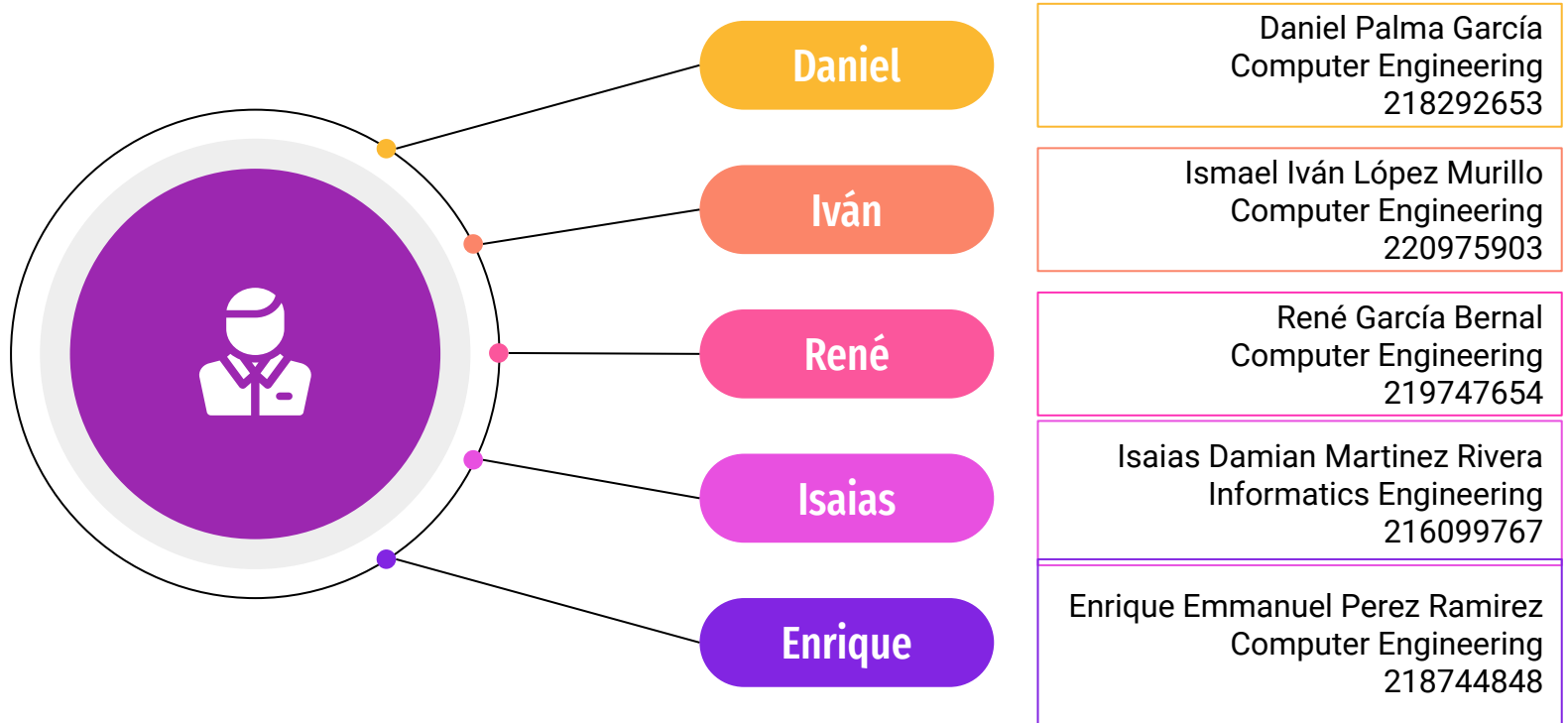


# **Law Initiative Search Tool**

# Team Structure



# Social Contract

1. Each person individually think about the values and behaviors she/he/they want to see as part of the team for each category.
2. The team groups similar ideas.
3. The team votes for the 5/6 behaviors that are the most important for the team.
4. The team defines the penalties for the team members that don't follow the social contract (i.e. tacos, 5 pesos, or leave the team)

Team Name:

THE EXPENDABLES

## Meetings

- \* Google meet (Weekly Meetings)
  - \* Webex (For class meetings)
  - \* Define a time that works for everyone on the team
- 
- Have notes ready before meeting
  - Pay close attention to the meeting
  -

## Communication

- \* WhatsApp as primary - fast way of communication
- \* Communicate the troubles we're in as soon as possible
- \* Don't ignore the chat / meetings
- \* If you have any problem with the meetings you have to notify the rest of the team
- \* Being direct is always welcome

## Collaboration

- \* Use of version control software
- \* Everyone has to do their part
- \* Each team member will have to work as a team
- \* Create constant commits
- \* Clean Code
- \* Deliver the activities as soon as they're completed

## Your Social Contract (5 or 6 main rules)

1. Respect for every idea and every team member
2. Good communication is key
3. Ask for help and helping others
4. Team and individual responsibility
5. Punctuality for meetings and deadlines
6. Adapt to change

This is a title...

## Penalties

- \* Caguama for medium - penalty
- \* Permanent ban from the team when the member is clearly no longer interested
- \* Verbal admonition / wake up call form small-penalty

Isaias Damian Martinez Rivera

Rene Garcia Bernal

Enrique Emmanuel Perez

Team members signatures:

Daniel Palma Garcia

Ismael Ivan Lopez Murillo

# Mood Marble Tool

With this mood marble tool we can keep the record of the mood of every member of the team every day we gather by using emojis to represent said moods. We use this tool because it can let us express ourselves in various ways.

Add an emoji depending on how feel this day :) You can use Windows + . to open the emoji keyboard !						
Teammate / Date	AUGUST					
	Thursday 12	Tuesday 17	Thursday 19	Tuesday 24	Thursday 26	Tuesday 31
Daniel	😊	😊	😊			
Isaías	😄	😄	😄	😄	😄	
René	😊	😊	😎			
Iván	😬	😐	😘			
Enrique		😐	😐			

# NGO Description

**CENTRO DE  
ESTUDIOS  
APLICADOS**

## **FOCAL POINT**

Provide information to  
citizens



## **LOCATION**

Col Americana, Obrera,  
44140 Guadalajara,  
Jalisco

## **MISSION AND VISION**

We seek full access to  
democracy through the  
application of  
knowledge.

# Problem Description

Nowadays, it is very difficult to find out what initiatives are currently in Federal Congress. If you are a journalist, deputy, researcher or a citizen, there is not a simple way to search and find these initiatives, making it harder to give the people access to transparent information on what is happening in Congress.

# Agile Chart

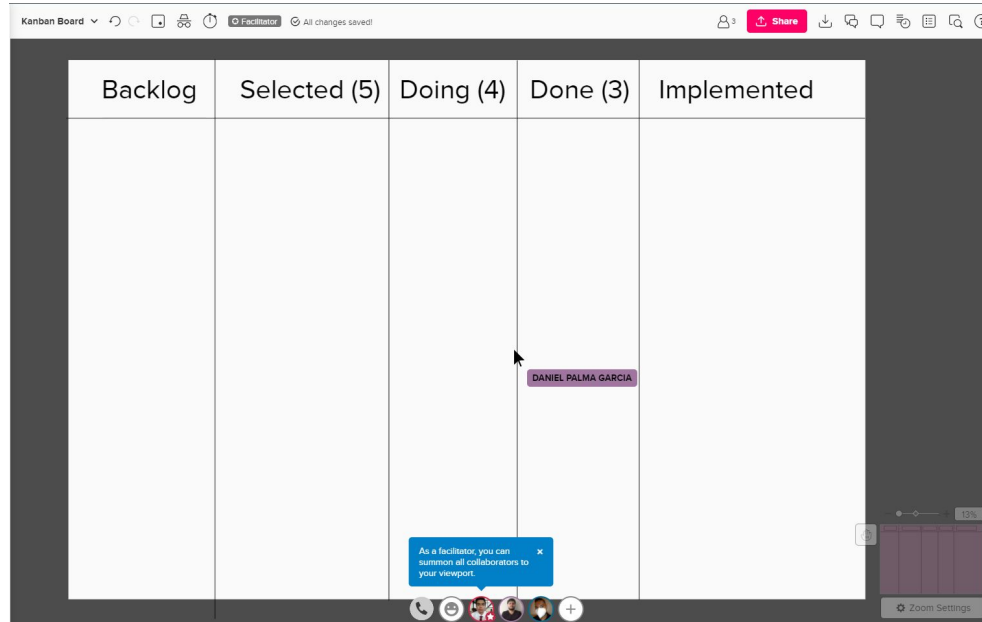
**Goal:** To design a web app that will make it easier for all the citizens in México to obtain data about the initiatives that are currently in Congress in the fastest and simplest way possible.

5W1H		
1.Who will be engaged?  Lawmakers Journalists Researchers	3.Where will it occur?  Guadalajara, Jalisco, Mexico	5.Why is it undertaken?  Due to the lack of clarity about the current state of law initiatives that are in congress.
2.What is project about?  Creating a tool that is easy to use, efective and free. This tool will be use by journalists, researchers and law makers to find easily the information about law iniciatives that they need.	4.When will it start and end?  August 16th 2021 - December 16th 2021	6.How will it be undertaken? Methodology.  Scrum and Kanva

# Kanban Board

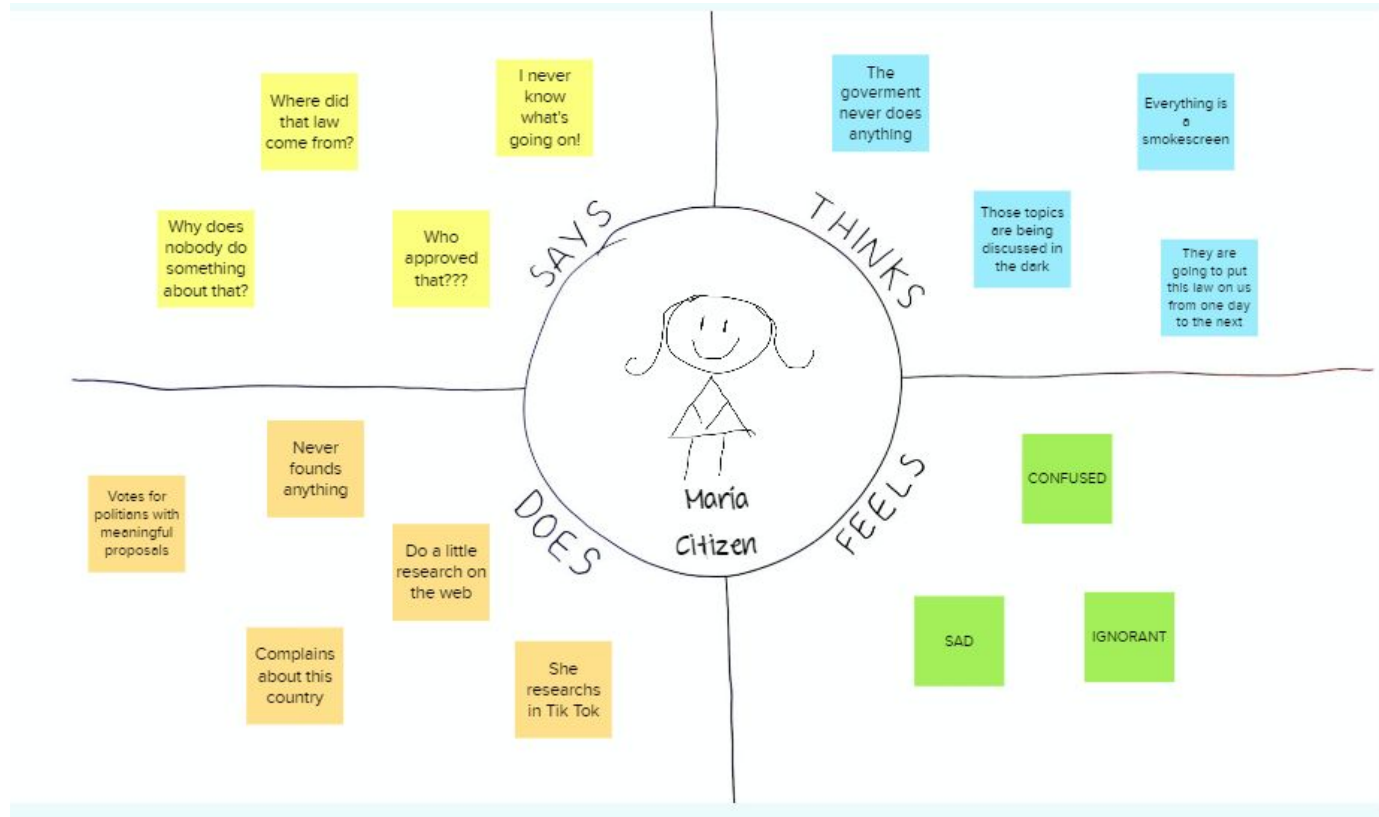
For our Kanban Board, we decide to use Mural, since it's a very dynamic and accessible tool and also is easy to use and has a lot of design.

Link to tool: [Here!](#)

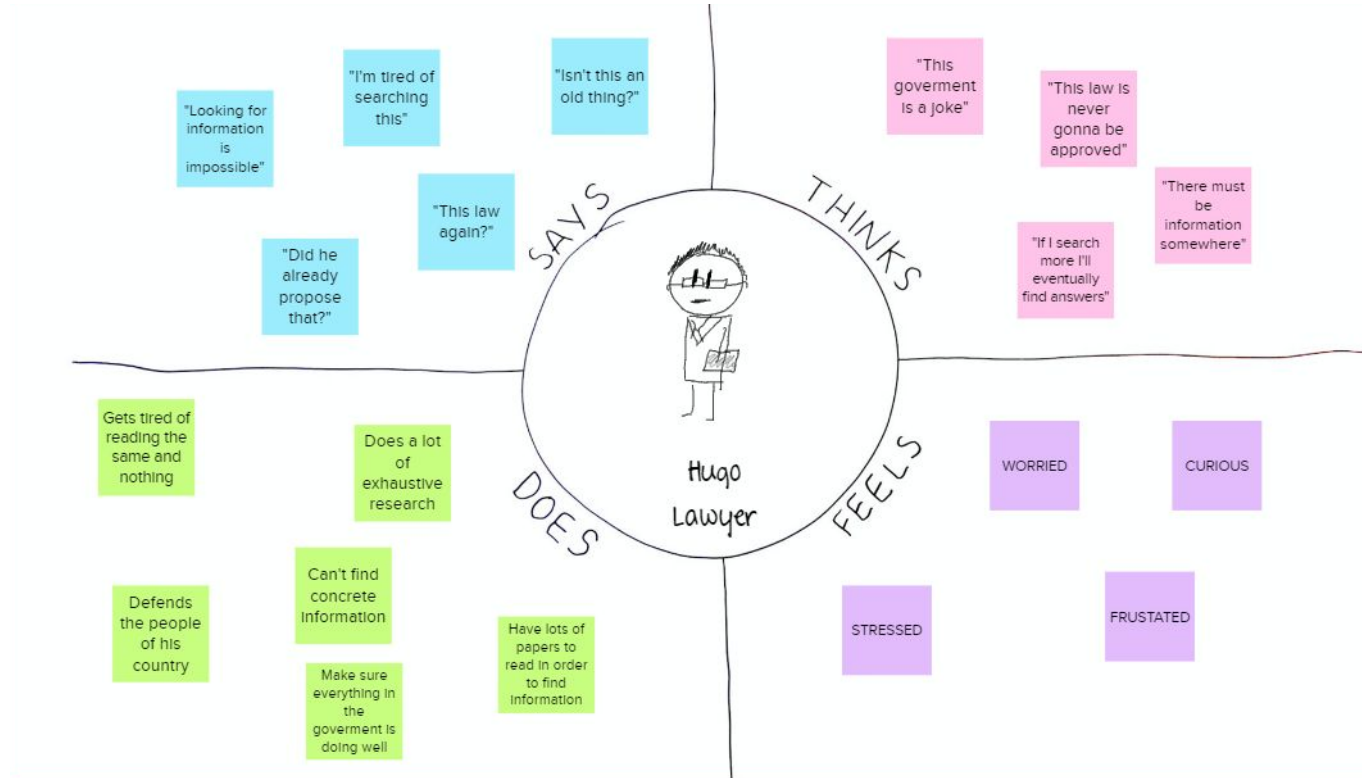




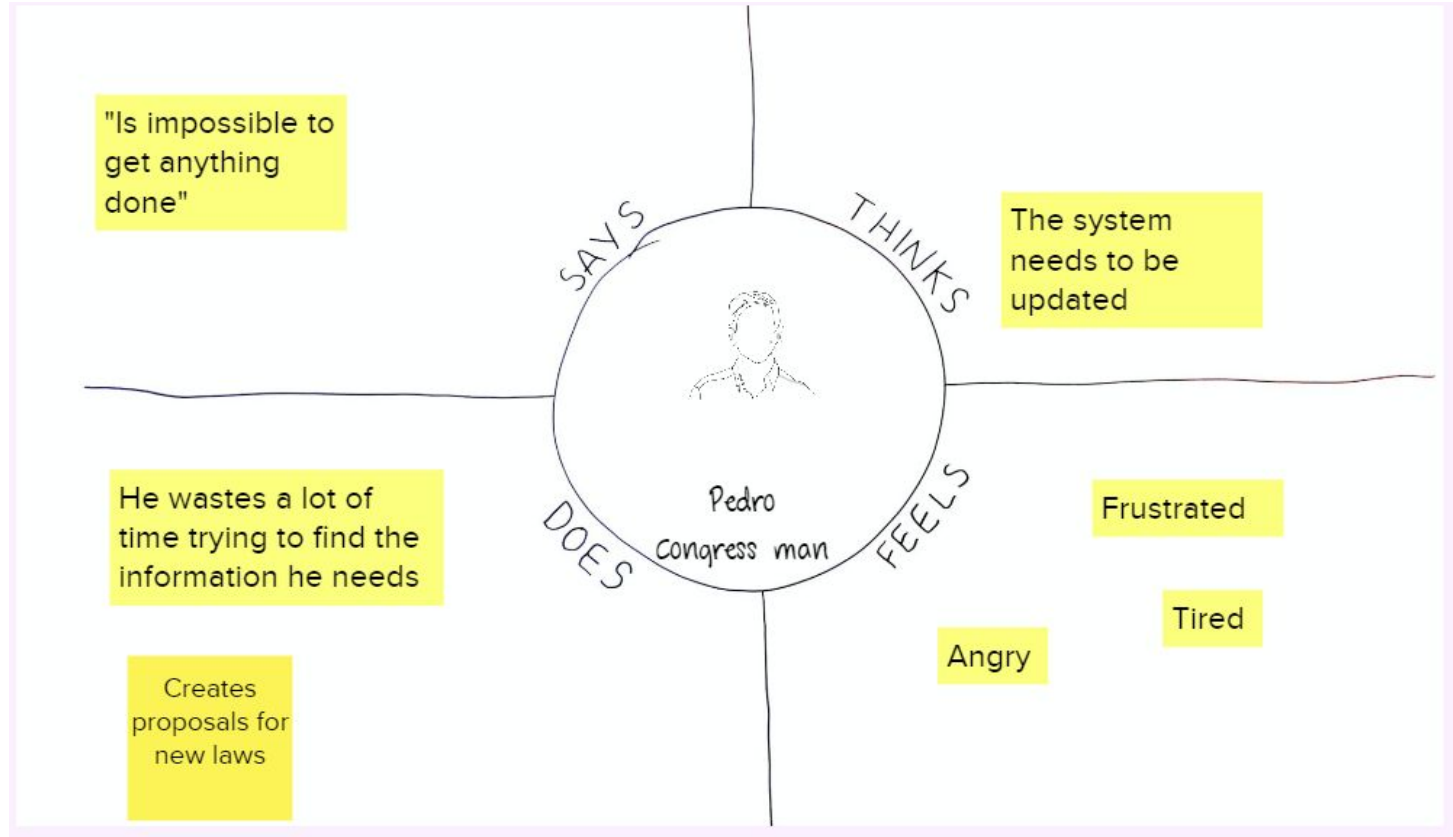
# Empathy map for user 1



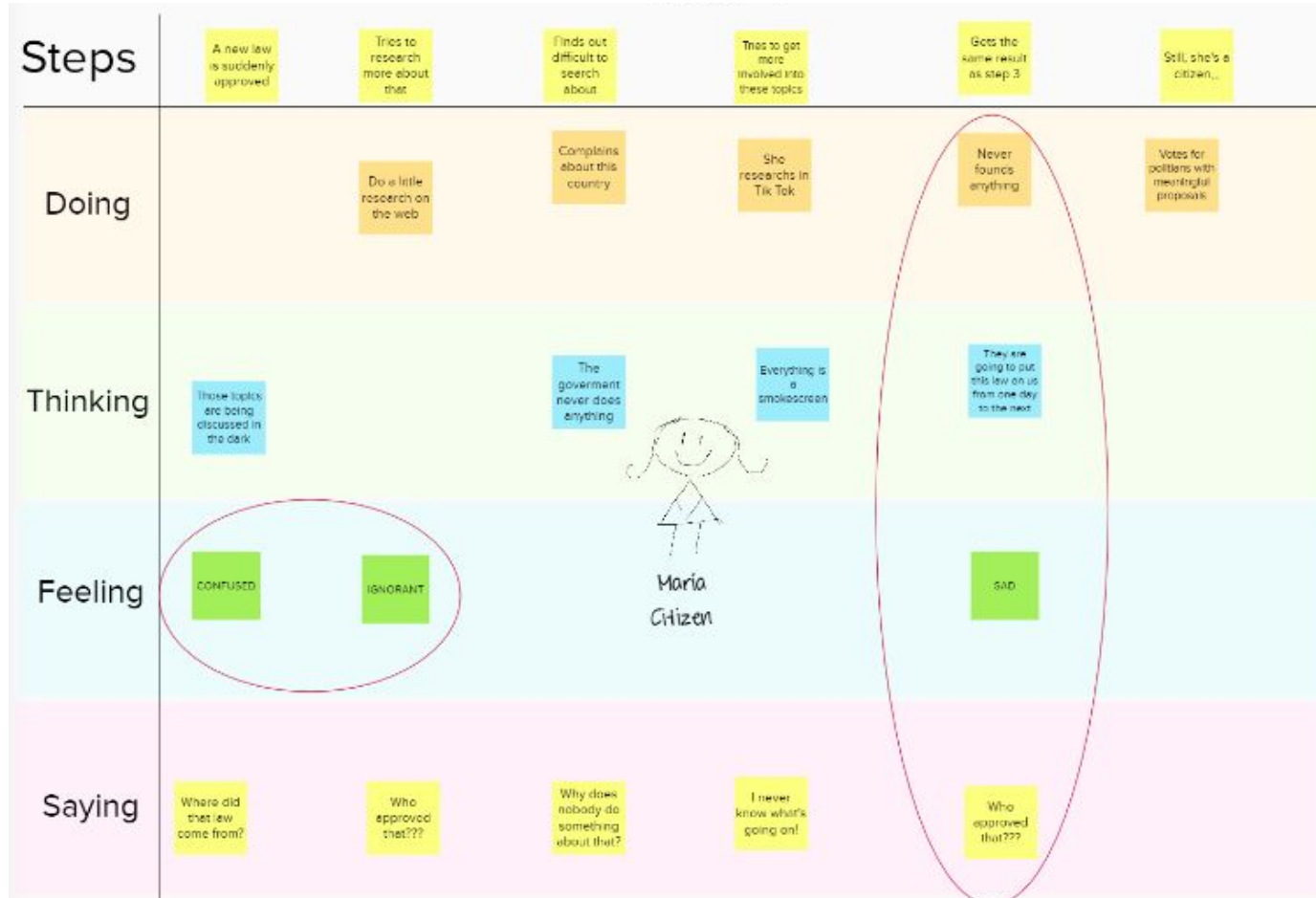
# Empathy map for user 2



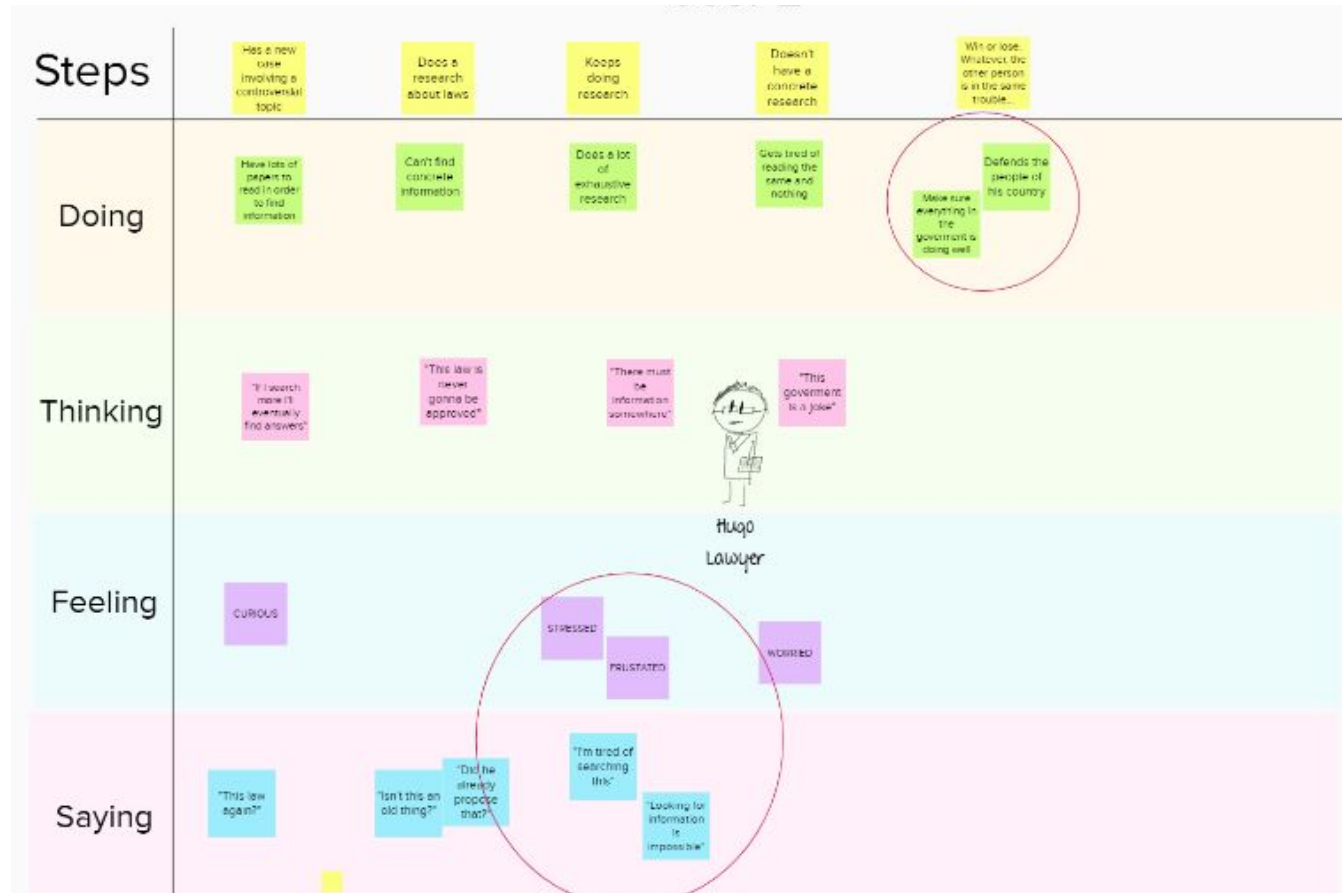
# Empathy map for user 3



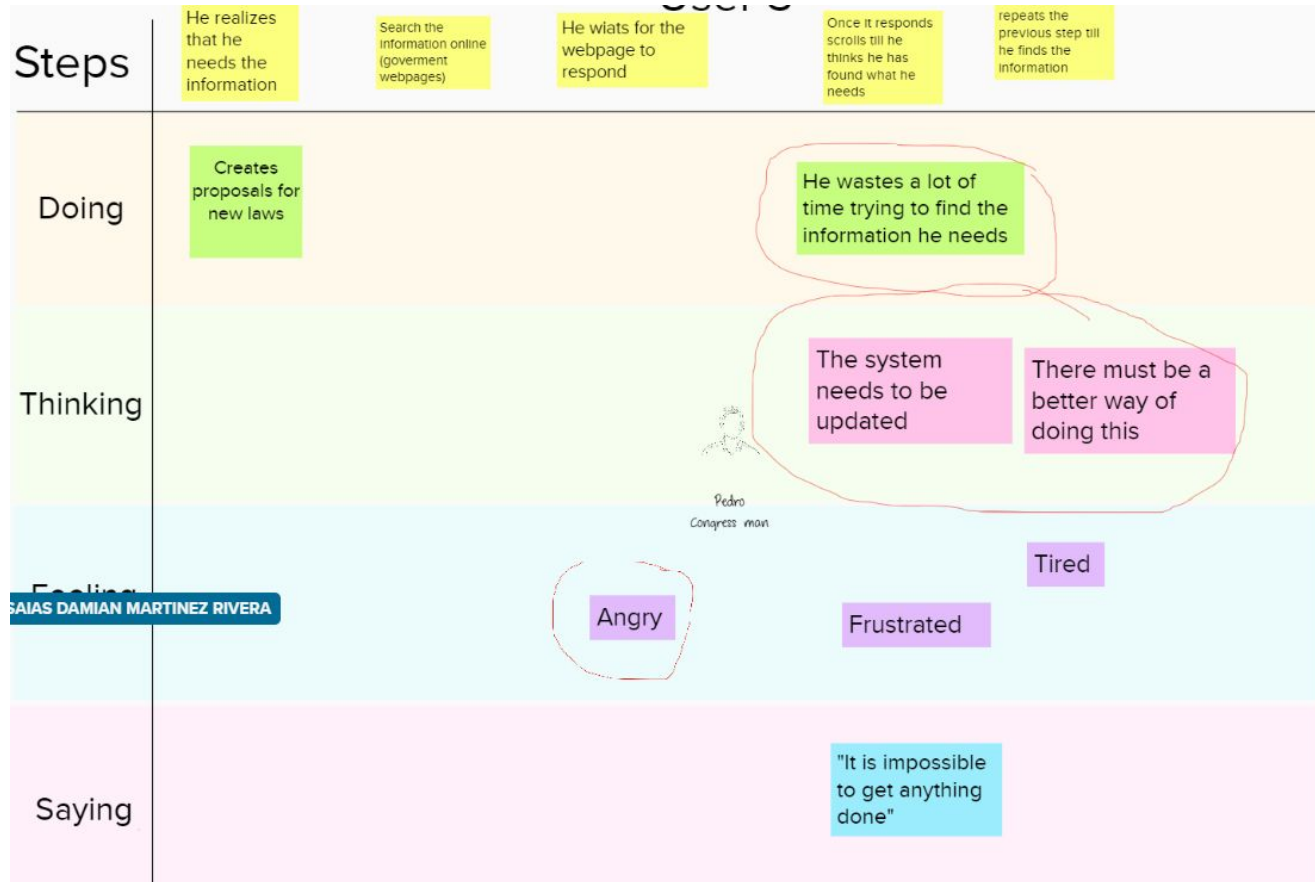
# As-Is Scenario for user 1



# As-Is Scenario for user 2



# As-Is Scenario for user 3



SAIAS DAMIAN MARTINEZ RIVERA

# Experience-based roadmap

## Experience-based Roadmap

3 months

6 months

9 months

EXPERIENCE

The user (lawyer, citizen, representative) feels more informed thanks to finding the law proposals in the search engine.  
The user feels satisfied with the information that retrieved

- The user will feel comfortable searching and sorting the informations its looking for.
- The user decides how to collect the information.

- The user can follow the final destination of the initiative
- The user can provide feedback related to the initiative
- The users can see statistics like acceptance, percentage of succes, etc. related to topics, initiatives, etc.

IDEAS

To provide a public web tool that contains the information about the current initiatives that are in the Congress and that its search is

- The user, i. e. journalist, citizen, lawyer, etc can lists all the initiatives related to a specific topic
- The user has all the information accessible in the same platform

Provide to the user filtering capabilities that redefine what the they are searching for

- Add a rating system
- Create a bot that can follow the process of an initiative
- The user can follow the final destination of the initiative
- The user can provide feedback related to the initiative
- The users can see statistics like acceptance, percentage of succes, etc. related to topics, initiatives, etc.

CAPABILITY

- A designer or programmer with UX skills
- Sources of information that will be centralized
- A file server that stores the information (documents, photos, etc.) about the initiatives
- Programmers with knowledge on API, backend an file systems
- A hosting server

- Design a filtering engine
- Get a chart tool that can make graphics in order to see better the information

- A more powerful database that can store the information about the users and initiatives
- A ML model that can follow the track of the initiatives
- A bigger (memory) server

# MVP

## MVP: Minimum Viable Product

List main functionalities that your product will have as part of the first release

- Allow the users to list initiatives
- Allow the users to query initiatives based on keywords
- Give the administrators an interface to populate the database



# User stories

## Functional Requirements for your MVP

Define at least 10 functional requirements in User Stories format for your MVP and the task to build those user stories

As a journalist I want to read the Initiative in order to date so that I can get the information quickly

1. Design a web page
2. Collect the date of the initiatives

As a lawmaker I want to know who wrote each initiative, so that I can collaborate with the lawmakers that are doing laws that I agree with

1. A screen that display the law initiatives and the name of the law maker

As a citizen I'd like to have a simple way to search laws that are currently in progress so I can know in which projects our government is focusing on

1. Design a search web page interface
2. Implement a search algorithm
3. Retrieve the data from the backend
4. Show dynamically the data

As the system admin I'd like to have a tool that can read documents to generate a database so I can add relevant information to the database

1. Use a library to convert documents into images
2. Using an OCR library to search for text
3. Get the relevant info to add into the database

As a lawyer I don't want to have repeated articles about the same initiative so I don't read the same over and over

- 1.- Design a normalized DB
- 2.- The initiatives' Primary Key is ID of the initiative
- 3.- All the data with the same folio should be linked in the same view

As a citizen I want to know which senators participated in which proposals so that I can deepen these senators

- 1.-design relational database
- 2.-create a table of senators and a table of proposals and link them
- 3.-make a query and show them

As citizen want to know the initiatives that are affecting my salary so I can manifest

1. Design a DB
2. create and categorize the initiatives
- 3.-load all the initiatives with the same query

As a researcher I want to know the current state of the law, so that I can have a more complete research.

1. Desing a screen that display the law initiatives and the current state
- 2.- Fetch the information filtered by the above requirements

As the administrator, I don't want other people (not admins) to update, create or remove the data so I can assure the integrity of the information

- 1.- Design a login page
- 2.- Create an authentication method to enter the admin dashboard
- 3.- Design and implement the admin dashboard to C.R.U.D. the data

As an administrator I want to just add new documents into the toolchain so I can do other tasks

- 1.- Create a interface to add new initiatives
- 2.- Design an algorithm to convert a file into database rows-related information
- 3.- Automate the process

# Non functional requirements

## Non Functional Requirements for your MVP

Define at least 10 non functional requirements for your MVP

A database that stores law initiatives relation to the documents

Stablish a client - server connection between front end and backend

Deploy a file server that can store the documents, photos, etc.

Host the website in a public server

Allow all the public to enter the website and use it without any restriction

A tool to manage all the data

a tool to search by different queries

A tool to extract text from images

Secure the admin dashboard

the system will be able to stop query injections through the search bar

# Iteration 1: Kanban Board

Backlog	Selected (5)	Doing (4)	Done (3)	Implemented
<div>Select a file server</div> <div>Main page view</div> <div>Collect information for tests</div> <div>Simple searchbar and listed items interface</div> <div>Server host selection</div> <div>Link between files and initiatives</div> <div>Select and Encryption method for Login</div>	<div>Get familiar with OCR API in Python</div> <div>Deploy a test server for the development</div> <div>Create simple template of the web interface</div> <div>Select an Auth method for the Admin Dashboard</div> <div>Login page for Admin Dashboard</div>	<div>Interface wireframes</div> <div>Backend technology selection</div> <div>Create repository</div>	<div>Database schema</div> <div>Front end technology selection</div> <div>DBMS selection</div>	<div>Define Moscow prioritizing</div> <div>User stories definition</div> <div>Non functional requirements list</div>

# Iteration 1: Mood Marble

Add an emoji depending on how feel this day :) You can use Windows + . to open the emoji keyboard !

Teammate / Date	AUGUST						SEPTEMBER			
	Thursday 12	Tuesday 17	Thursday 19	Tuesday 24	Thursday 26	Tuesday 31	Thursday 2	Tuesday 7	Thursday 9	Tuesday 14
Daniel	😊	😊	😊	😓	😊	👍	😊	😓	😊	
Isaías	😬	😬	😬	😬	😬	🤔	👦	🌧️	🤔	
René	😊	😊	😎	😓	😡	😎	😎	😎	😓	
Iván	😬	😊	😊	😊	😊	😓	😎	😊	😊	
Enrique	😊	😊	😊	🤔	😊	😓	😓			

# Iteration 1: Retrospective

## What went well

We were on the same frequency regarding to user stories definition

Our working times were similar

We've been getting along really well

## What did not went well

Communication with the NGO

Not every member was present in the meetings

Someone is starting ghosting us 🙄

We felt a little bad because of the vaccine 🤔

Connectivity problems due to weather 🌧️

## What can we improve

Communication with product owner can be improved

Better organization with tasks

Getting to know each other better

## Actions to get better

Talk about irresponsibility with the team

Ask the product owner for weekly meetings

Define detailed tasks

# Iteration 2: Kanban Board

Backlog	Selected (5)	Doing (4)	Done (3)	Implemented
<div>Select a file server</div> <div>Main page view</div> <div>Collect information for tests</div> <div>Simple searchbar and listed items interface</div> <div>Server host selection</div> <div>Link between files and initiatives</div> <div>Select and Encryption method for Login</div> <div>Create simple template of the web interface</div> <div>Login page for Admin Dashboard</div> <div>Deploy a test server for the development</div>	<div>Gather initiatives from the web</div> <div>Interface wireframes</div> <div>Select an Auth method for the Admin Dashboard</div> <div>Get familiar with choosen OCR API in Python</div>	<div>Create repositories</div> <div>Get information about OCR API in Python</div> <div>Backend technology selection</div>	<div>Backend technology selection</div> <div>Identified stakeholders</div> <div>Choose communication channel with stakeholders</div>	<div>Database schema</div> <div>User stories definition</div> <div>DBMS selection</div> <div>Non functional requeriments list</div> <div>Front end technology selection</div> <div>Define Moscow prioritizing</div>

# Iteration 2: Mood Marble

Add an emoji depending on how feel this day :) You can use Windows + . to open the emoji keyboard !

Teammate / Date	AUGUST						SEPTEMBER					
	Thursday 12	Tuesday 17	Thursday 19	Tuesday 24	Thursday 26	Tuesday 31	Thursday 2	Tuesday 7	Thursday 9	Tuesday 14	Tuesday 21	Thursday 23
Daniel	😊	😊	😊	😞	😊	👍	😊	😞	😊	😞	😞	😊
Isaías	😊	😊	😊	😊	😊	😞	😞	😞	😞	😊	😞	😞
René	😊	😊	😎	😊	😞	😊	😎	😎	😞	😊	😊	😊
Iván	😍	😊	😊	😊	😊	😊	😎	😊	😊	😞	😊	😊
Enrique	😊	😊	😊	😞	😊	😊	😊					

# Iteration 2: Retrospective

## What went well

We could communicate with Andrés

We defined second's iteration goal based on stakeholder needs

Organization of weekly tasks

We've been getting along really well

## What did not went well

Jacob's exam 🤔😓

Not too much notable progress

Someone is completely out of the project

We felt a little bad because of the vaccine 😞

Working hours are too late

## What can we improve

Organize meetings at better times and / or let everyone take a break before

Commitment of every member

Communication channels with stakeholders

## Actions to get better

Taking actions with team about irresponsability

Commit more to the project

Stablish and schedule to meetings

Define detailed tasks



# Iteration 3: Kanban Board

Backlog	Selected (5)	Doing (4)	Done	Reviewed
<div>3</div> <div>Select a file server</div> <div>3</div> <div>Link between files and Initiatives</div> <div>3</div> <div>Collect information for tests</div> <div>2</div> <div>Select and Encryption method for Login</div> <div>3</div> <div>Server host selection</div> <div>8</div> <div>Admin dashboard option to manage Initiatives</div> <div>4</div> <div>Searchbar logic</div> <div>2</div> <div>Admin option to scan initiatives</div> <div>4</div> <div>Display and lists initiatives</div> <div>8</div> <div>API controllers</div> <div>3</div> <div>OCR implementation connected with API</div> <div>5</div> <div>Deploy production servers</div>	<div>5</div> <div>Update database scheme based on new priorities</div> <div>3</div> <div>Select an Auth method for the Admin Dashboard</div> <div>4</div> <div>Simple searchbar and listed items interface</div> <div>2</div> <div>Initiative interface</div> <div>3</div> <div>Login page for Admin Dashboard</div>	<div>4</div> <div>Get familiar with chosen OCR API in Python</div> <div>2</div> <div>Admin wireframes</div> <div>2</div> <div>Deploy a test server for the development</div> <div>2</div> <div>Search interface</div>	<div>2</div> <div>Database schema</div> <div>2</div> <div>Define Moscow prioritizing</div> <div>3</div> <div>User stories definition</div> <div>2</div> <div>Non functional requirements list</div> <div>1</div> <div>Front end technology selection</div> <div>1</div> <div>DBMS selection</div> <div>1</div> <div>Choose communication channel with stakeholders</div> <div>2</div> <div>Identified stakeholders</div> <div>2</div> <div>Backend technology selection</div> <div>3</div> <div>Get information about OCR API in Python</div> <div>2</div> <div>Gather initiatives from the web</div> <div>2</div> <div>Public view wireframes</div> <div>5</div> <div>Main page view</div> <div>3</div> <div>Create simple template of the web interface</div> <div>1</div> <div>Create repositories</div>	

Add an emoji depending on how you feel this day :) You can use Windows + . to open the emoji keyboard !

[illegible]

# Iteration 3: Retrospective

## What went well

Team liked the wireframes done

We had something to show to stakeholders

We'll have face-to-face classes!

We could work well as a team in the presentation in class

## What did not go well

Not too much progress

We felt a little bad because of the vaccine's second shot 🙄

We had a reduced team

We couldn't communicate with Andrés

Back to school was complex

We had few meetings

## What can we improve

Show results to organization to engage stakeholders

Do more visual work to "show" results

Organize our times considering presential classes

Meetings and communication channels

## Actions to get better

Prioritize user stories related to visuals

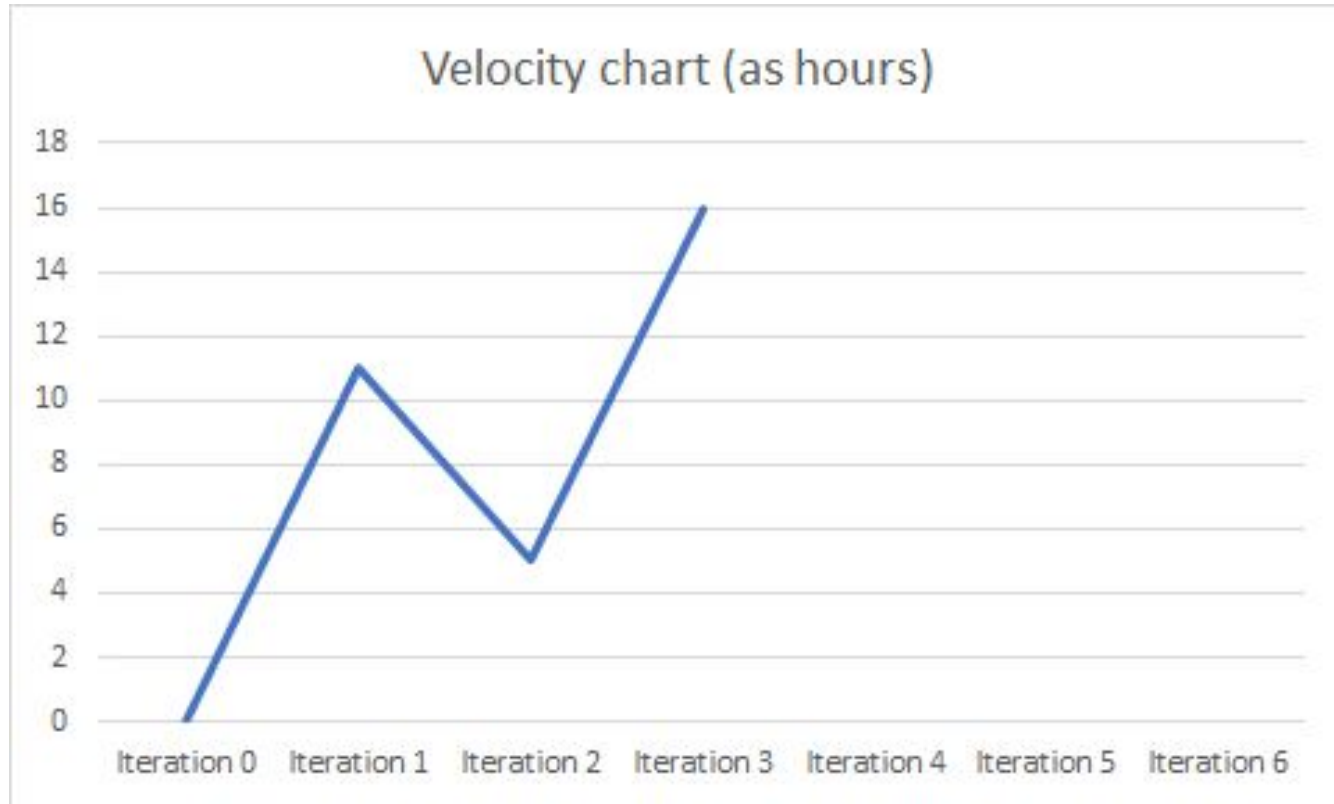
Establish and schedule to meetings

Plan meetings for specific topics

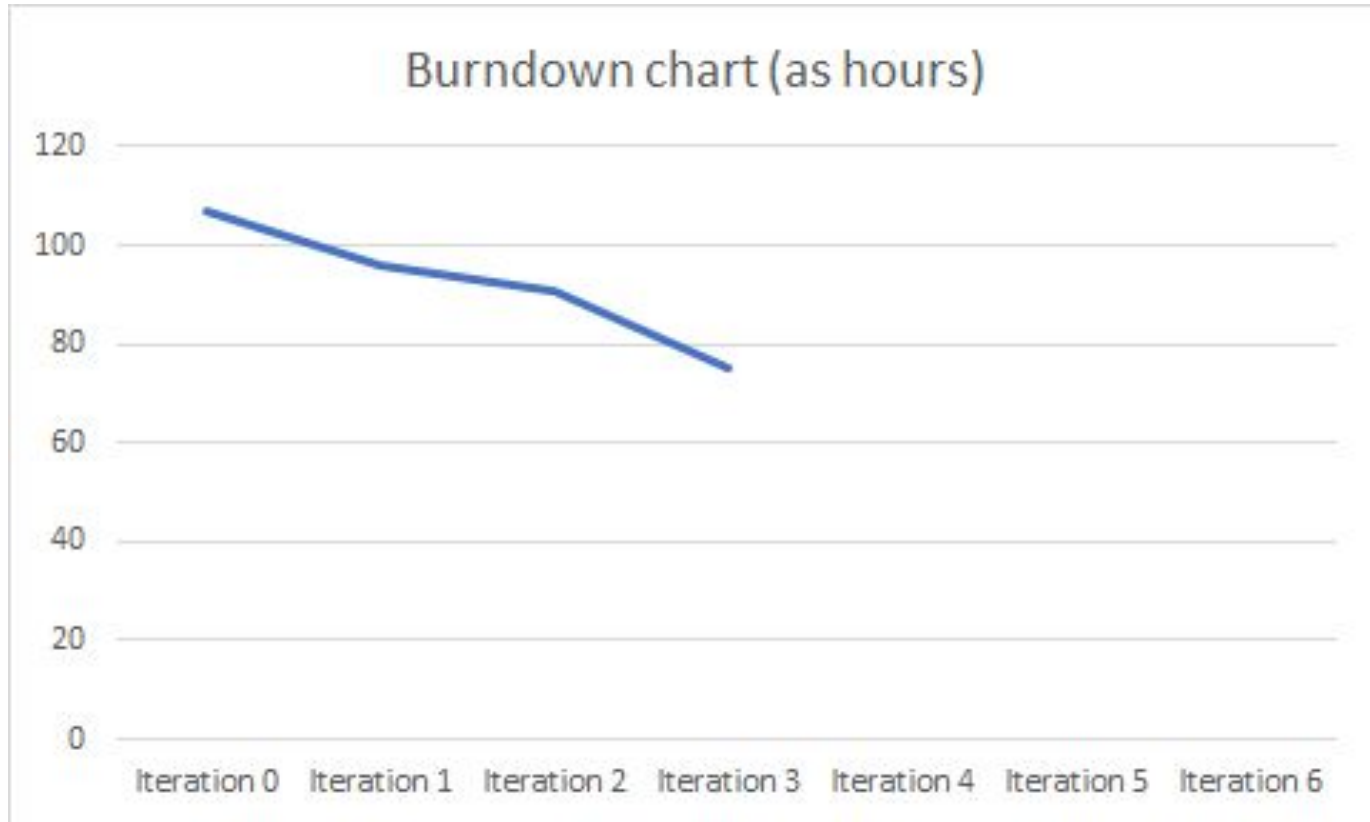
Define detailed tasks

Take advantage of the face-to-face meetings

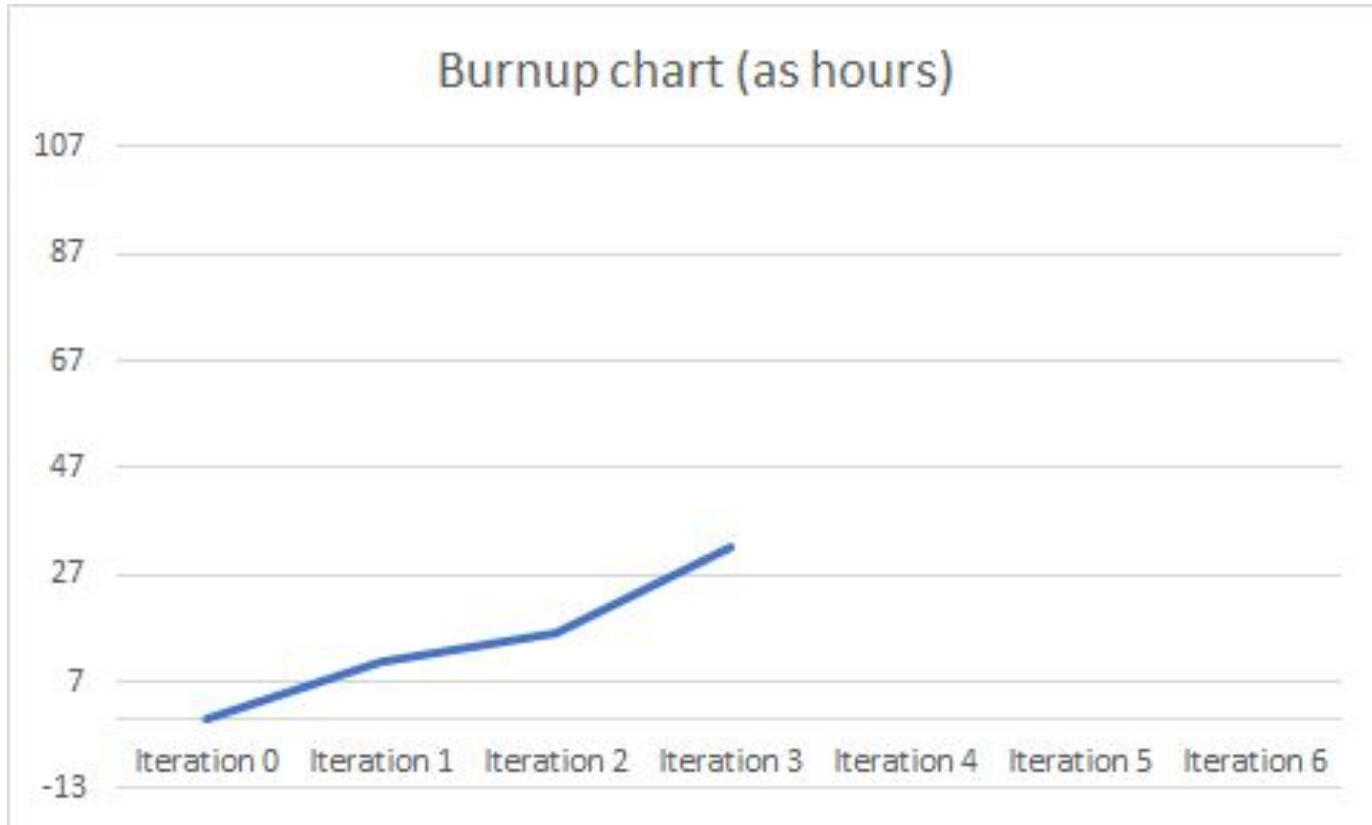
# Iteration 3: Velocity chart



## Iteration 3: Burndown chart



# Iteration 3: Burnup chart



# Iteration 4: Kanban Board

Backlog	Selected (5)	Doing (4)	Done	Reviewed
<div> <div>Select a file server</div> <div>Link between files and initiatives</div> <div>Collect information for tests</div> <div>Server host selection</div> <div>OCR implementation connected with API</div> <div>Deploy production servers</div> <div>Admin option to scan initiatives</div> </div>	<div> <div>Login page for Admin Dashboard</div> <div>Select an Auth method for the Admin Dashboard</div> <div>API controllers</div> <div>Admin dashboard option to manage initiatives</div> <div>Select and Encryption method for Login</div> </div>	<div> <div>Update database scheme based on new priorities</div> <div>Admin wireframes</div> <div>Display and lists initiatives</div> <div>Prepare images for reading</div> </div>	<div> <div>Database schema</div> <div>Non functional requirements list</div> <div>Choose communication channel with stakeholders</div> <div>Get information about OCR API in Python</div> <div>Main page view</div> <div>Get familiar with chosen OCR API in Python</div> <div>Searchbar logic</div> <div>Define Moscow prioritizing</div> <div>Front end technology selection</div> <div>Identified stakeholders</div> <div>Gather initiatives from the web</div> <div>Create simple template of the web interface</div> <div>Simple searchbar and listed items interface</div> <div>Search interface</div> <div>User stories definition</div> <div>DBMS selection</div> <div>Backend technology selection</div> <div>Public view wireframes</div> <div>Create repositories</div> <div>Initiative interface</div> <div>Deploy a test server for the development</div> <div>Convert PDF files to JPG</div> </div>	

## Iteration 4: Mood Marble

Add an emoji depending on how you feel this day :) You can use Windows + . to open the emoji keyboard !

[illegible]



# Iteration 4: Retrospective

## What went well

Team liked the progress

More views to show to stakeholders

We have been delivering everything cooperatively

More visible progress!

We worked fast and efficient in some activities (demo)

We had face-to-face classes!

## What did not went well

We felt a little bad because of the vaccine's second shot 😞

We couldn't communicate with Andrés

We had few meetings and working sessions

Jacob's exam 😞

Not too much team engagement in the coding work

We're one member short 😞

## What can we improve

Stakeholder communication and engagement

Meetings and communication channels

Team engagement in coding

## Actions to get better

Insist with the organization

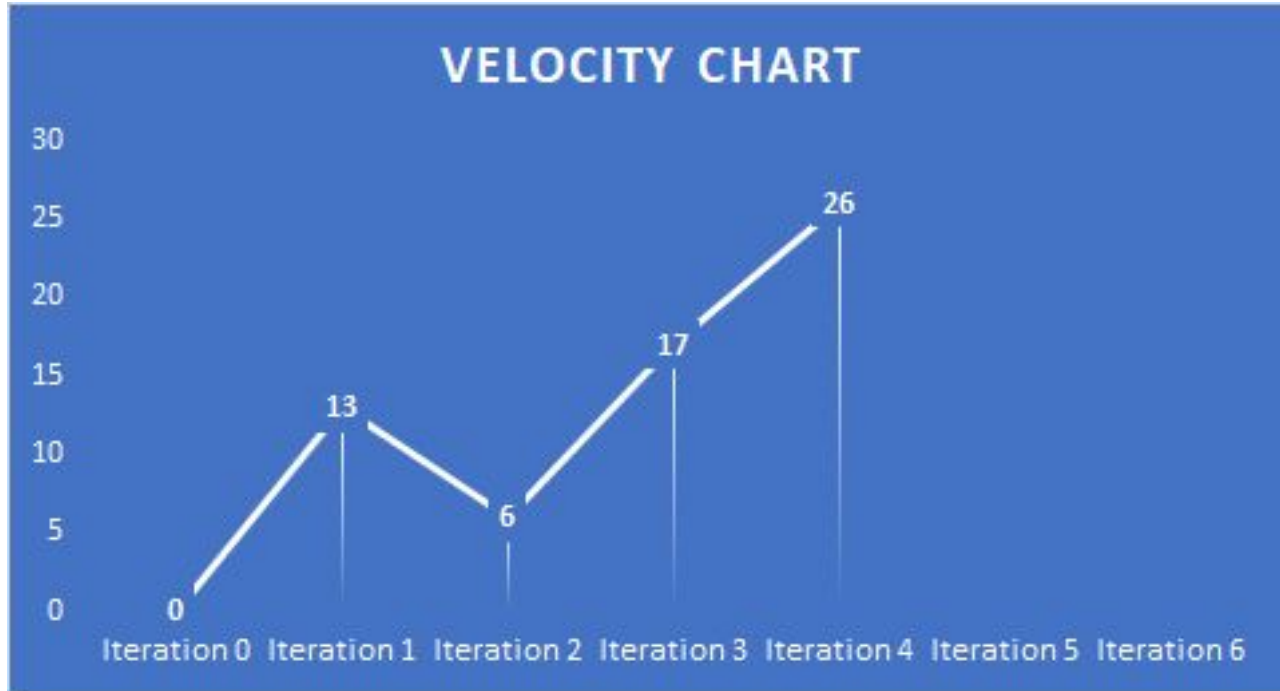
Establish and schedule work sessions

Talk with Jacob about the missing member (RIP)

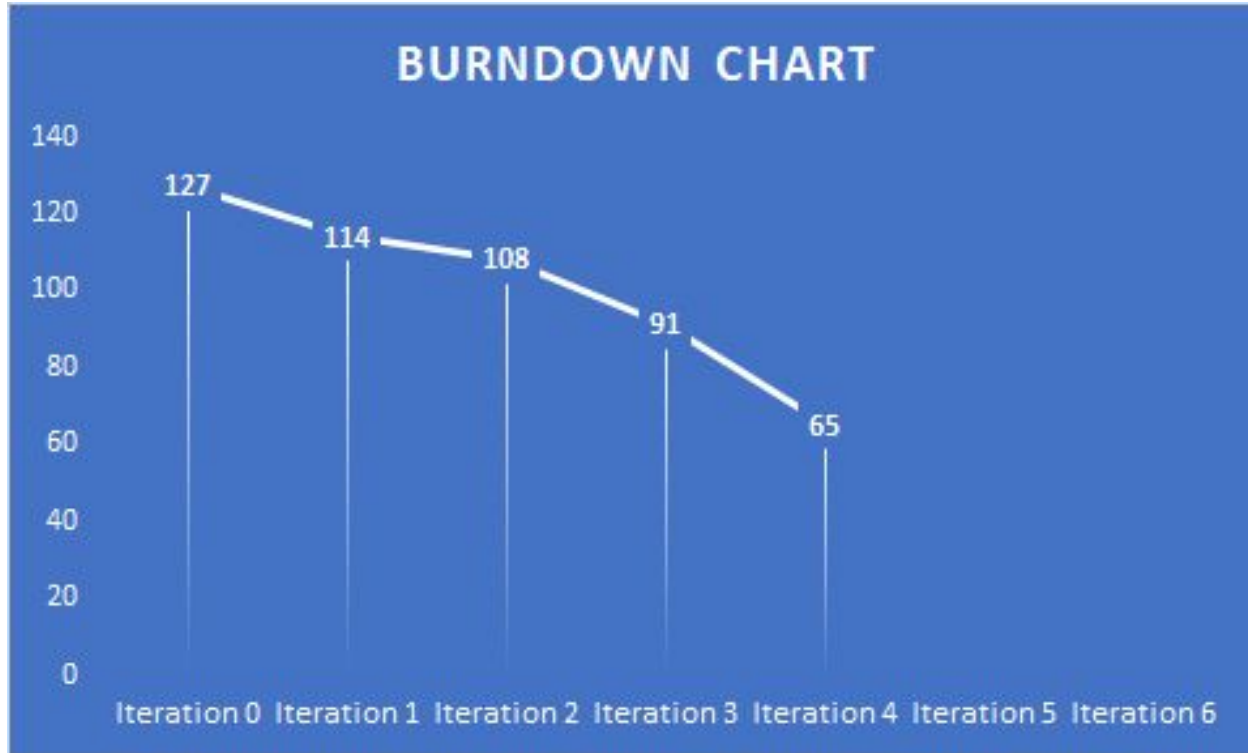
Define detailed tasks to members

Identify members' skills and involve them in work

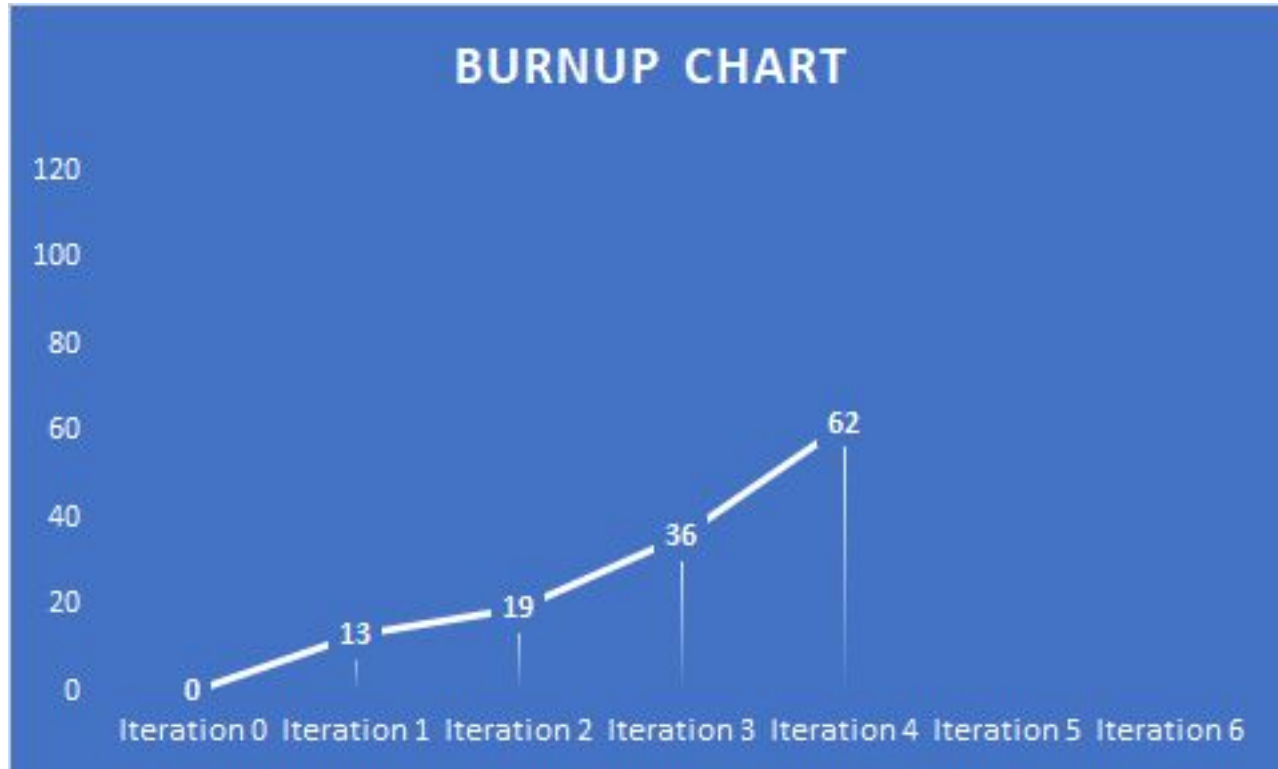
# Iteration 4: Velocity chart



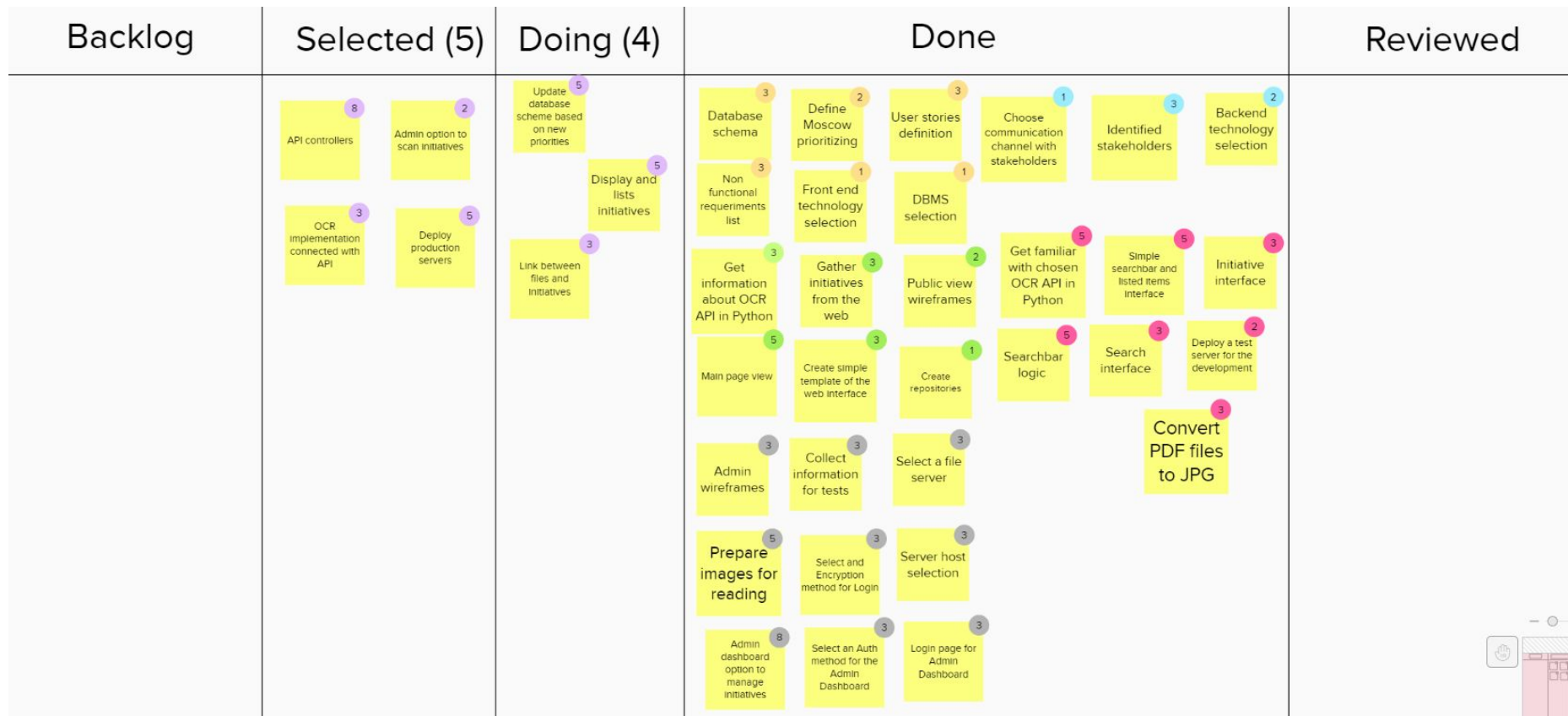
# Iteration 4: Burndown chart



# Iteration 4: Burnup chart



# Iteration 5: Kanban Board



Add an emoji depending on how you feel this day :) You can use Windows + . to open the emoji keyboard !

[illegible]

# Iteration 5: Retrospective

## What went well

Team liked the progress

More views to show to stakeholders

We have been delivering everything cooperatively

More visible progress!

We worked fast and efficient in some activities (demo)

We had face-to-face classes!

Image processing using openCV

## What did not went well

We had few meetings and working sessions

We couldn't communicate with Andrés

Using selenium for web testing

Using selenium to make the bot

## What can we improve

Stakeholder communication and engagement

Meetings and communication channels

Team engagement in coding

The speed of or work

The definition of the task for each member

## Actions to get better

Insist with the organization

Stablish and schedule work sessions

Talk with Jacob about the missing member (RIP)

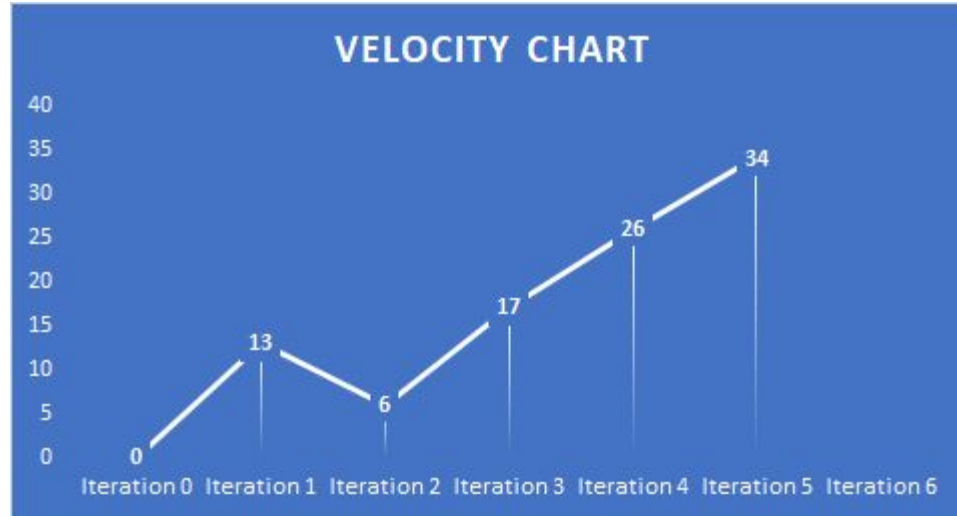
Define detailed tasks to members

Identify members' skills and involve them in work

Stablish deadlines for the complitions of each task

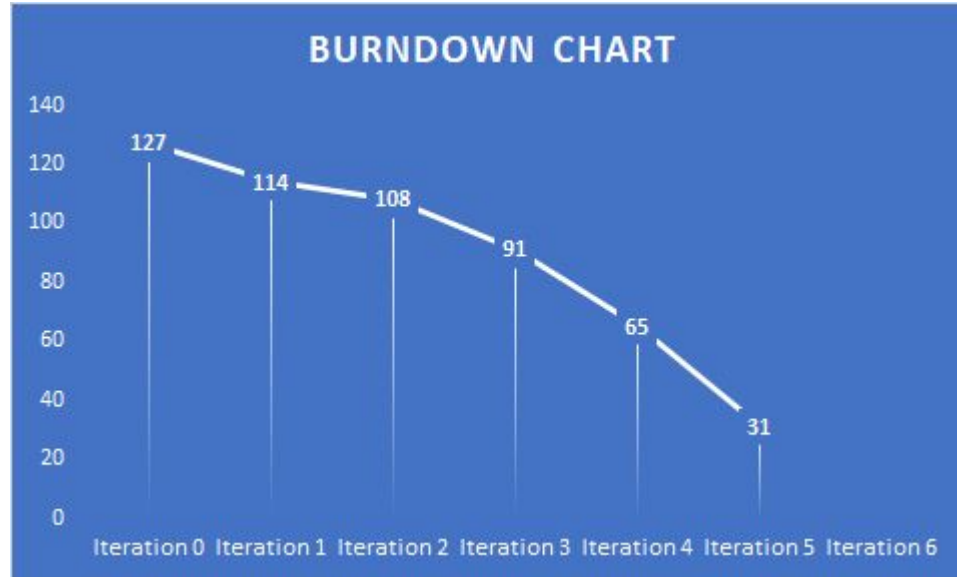
Meetings to help eachother with our code

# Iteration 5: Velocity chart

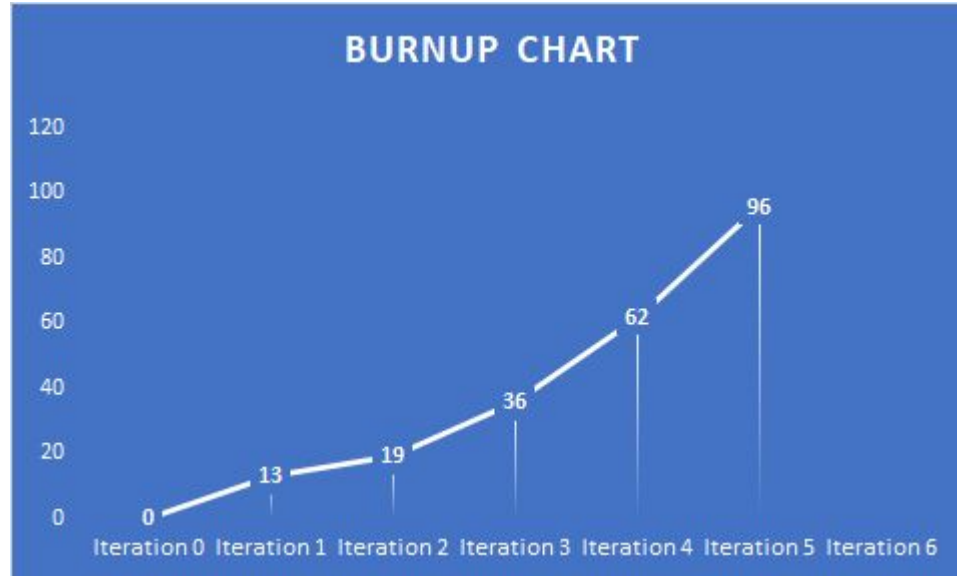




# Iteration 5: Burndown chart



# Iteration 5: Burnup chart



# Iteration 6: Kanban Board

Backlog	Selected (5)	Doing (4)	Done	Reviewed
			<div> <div>Database schema</div> <div>Non functional requirements list</div> <div>Get information about OCR API in Python</div> <div>Main page view</div> <div>Admin wireframes</div> <div>Prepare images for reading</div> <div>Admin dashboard option to manage initiatives</div> </div> <div> <div>Define Moscow prioritizing</div> <div>Front end technology selection</div> <div>Gather initiatives from the web</div> <div>Create simple template of the web interface</div> <div>Collect information for tests</div> <div>Select and Encryption method for Login</div> <div>Select an Auth method for the Admin Dashboard</div> </div> <div> <div>User stories definition</div> <div>DBMS selection</div> <div>Public view wireframes</div> <div>Create repositories</div> <div>Select a file server</div> <div>Server host selection</div> <div>Login page for Admin Dashboard</div> </div> <div> <div>Choose communication channel with stakeholders</div> <div>Get familiar with chosen OCR API in Python</div> <div>Searchbar logic</div> <div>API controllers</div> <div>Display and lists initiatives</div> <div>Link between files and initiatives</div> </div> <div> <div>Identified stakeholders</div> <div>Simple searchbar and listed items interface</div> <div>Search interface</div> <div>OCR Implementation connected with API</div> <div>Update database scheme based on new priorities</div> </div> <div> <div>Backend technology selection</div> <div>Initiative interface</div> <div>Deploy a test server for the development</div> <div>Convert PDF files to JPG</div> <div>Admin option to scan initiatives</div> <div>Deploy production servers</div> </div>	

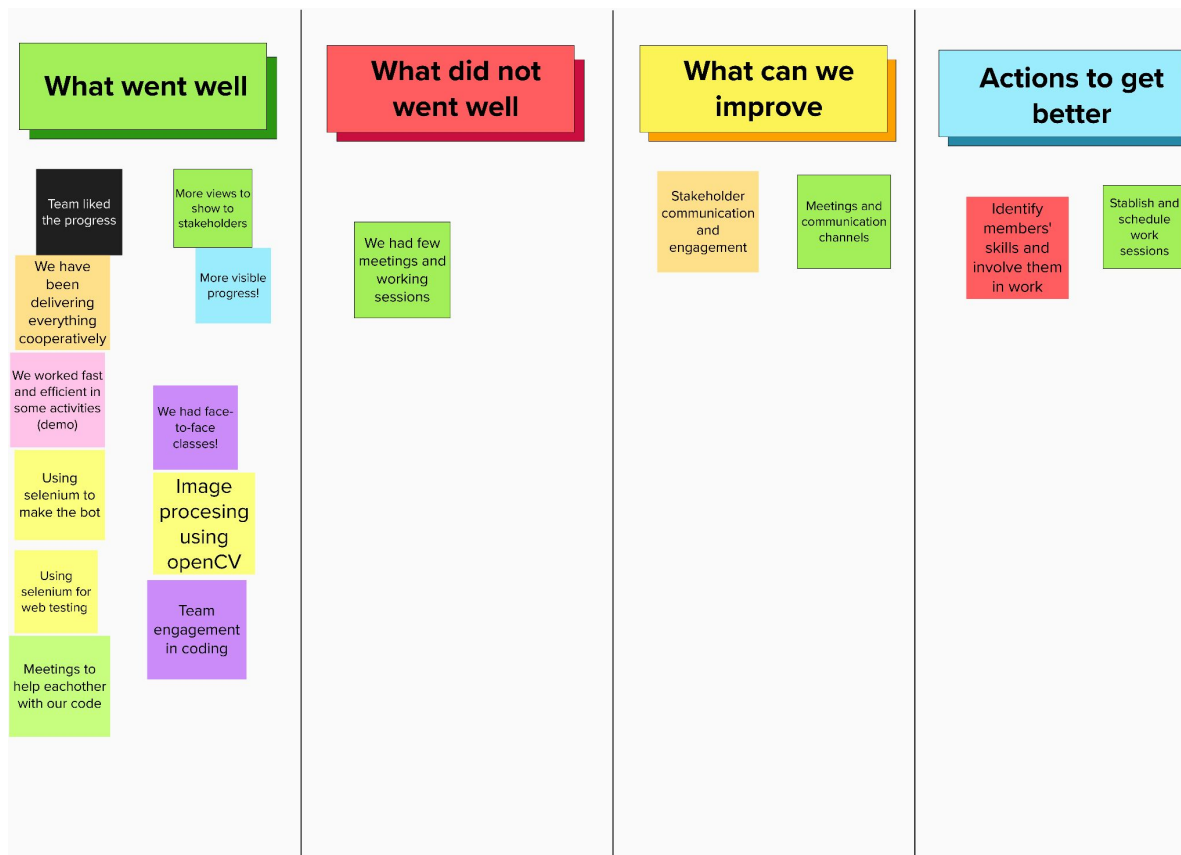


## Iteration 6: Mood Marble

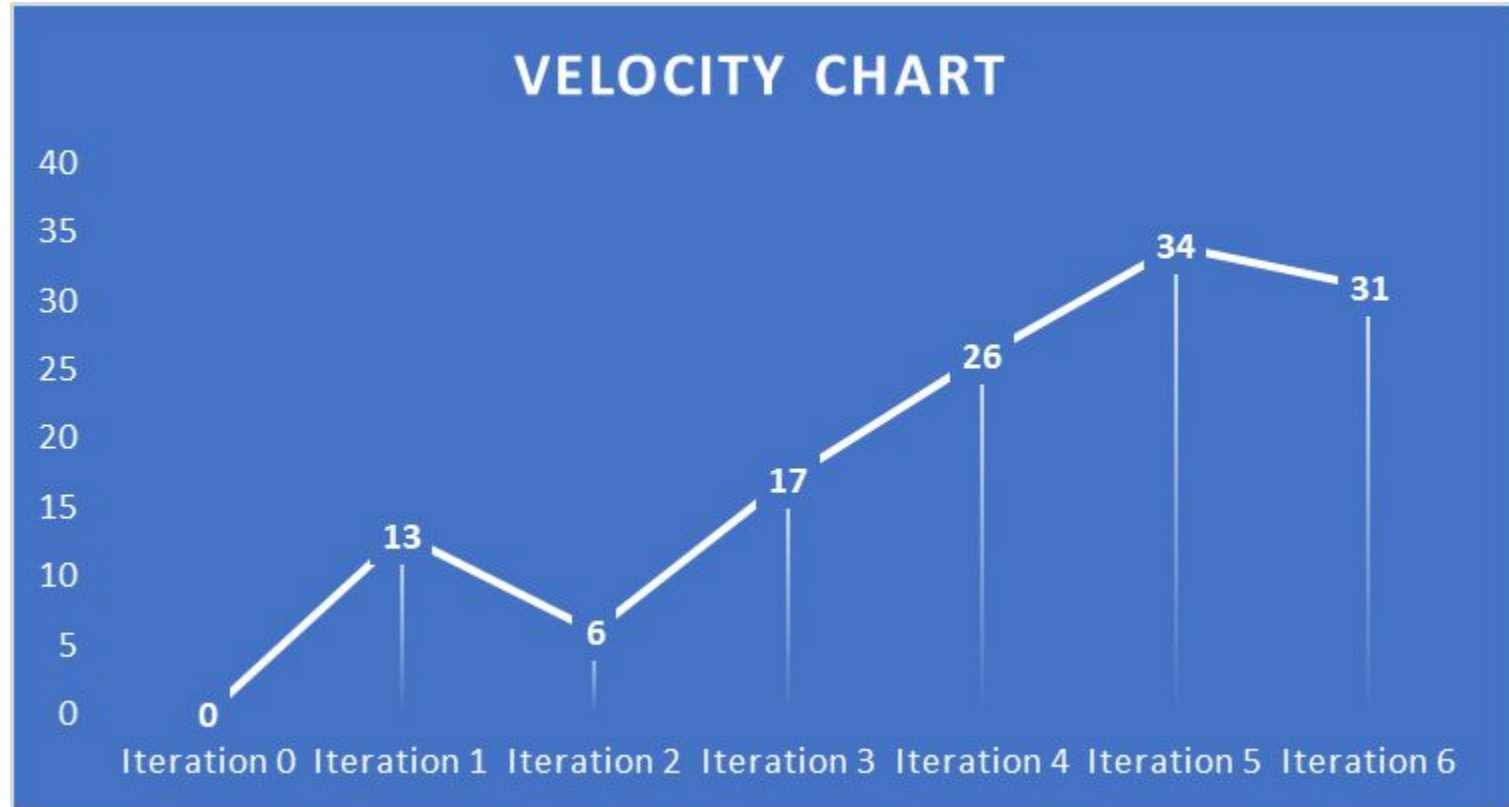
Add an emoji depending on how you feel this day :) You can use Windows + . to open the emoji keyboard !

[illegible]

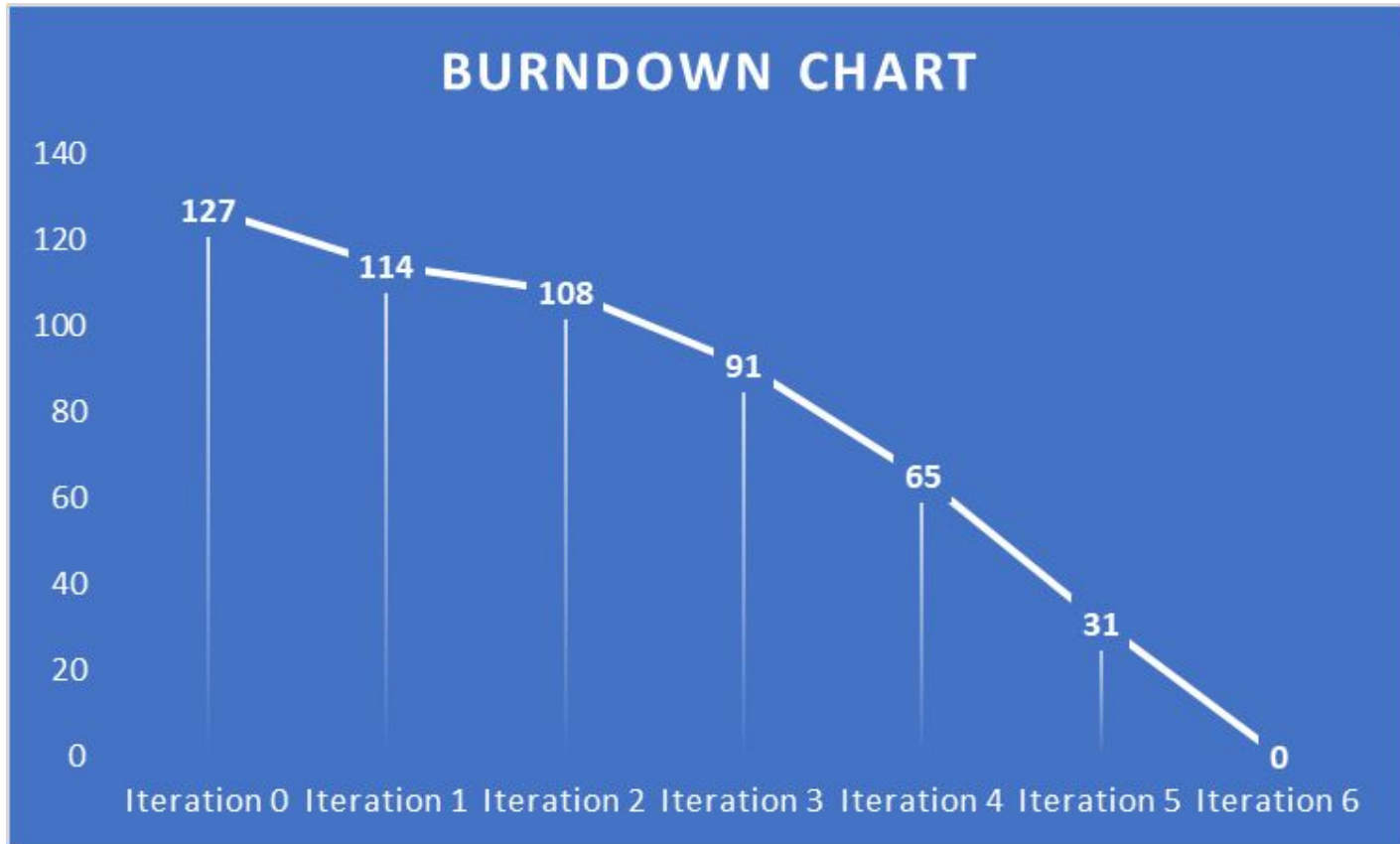
# Iteration 6: Retrospective



# Iteration 6: Velocity chart



# Iteration 6: Burndown chart



# Iteration 6: Burnup chart

