



Stock Market

Project Planning

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Project Planning

The project is divided into five different phases, according to the standard division established by the Project Management Body Of Knowledge. They are, in sequential order:

1. **Project Initiation:** the members of the team read and understand what the project is about, they hold meetings to distinguish the different elements into which the project can be divided, and team roles are assigned to each member of the team.
2. **Project Planning:** the members of the team have a meeting to discuss a possible decomposition of the project into tasks, they assign time estimates, priorities and interdependencies to each task, and gather the tools and resources needed to successfully fulfill the requirements of this project.
3. **Project Execution:** the members of the team perform as the role that they have been assigned, they take responsibility for said tasks and they execute the plan in the way that is the least blocking to other teammates.
4. **Project Validation:** parallel to the previous phase, the members of the team make sure that the project works as expected by performing manual or automatic tests, the code successfully passes through linters and the documentation gives enough information about the meaning of the code.
5. **Project Closure:** the project manager checks that the requirements of the project are successfully met and, if it is the case, putting the project into production , as well as documenting the process.

Tasks corresponding to each phase

[FP] Final Project

78h

TASK	Responsible	Priority	Time/ hour
[P1] Project Initiation			8h
[P1-1] Customer requirements analysis	Rafael	High	1h
[P1-2] Wireframes design	Rafael	High	2h
[P1-3] Uses cases analysis	Rafael	High	1h
[P1-4] First Meeting	Rafael	High	4h

TASK	Responsible	Priority	Time/ hour
[P2] Project Planning			8h
[P2-1] Project division into phases	Rafael	Medium	0.5h

[P2-2] Task's delimitation of each phase	Rafael	Medium	1h
[P2-3] Define the person responsible for each task	Rafael	High	0.5h
[P2-4] Define the structure of the directories	Alaa	High	0.5h
[P2-5] Define the gitflow	Alaa	High	0.5h
[P2-6] Initial version of the documentation	Rafael	High	3h
[P2-7] Second meeting	Rafael	High	2h

TASK	Responsible	Priority	Time/ hour
[P3] Project Execution			52h
[P3-1] Infrastructure	Alaa	High	6h
[P3-1-1] Docker Compose	Alaa	High	4h
[P3-1-2] GITFLOW Implementation	Alaa	High	2h
[P3-2] Communication protocol	Jose	Medium	5h
[P3-2-1] JSON Server data definition	Jose	Medium	2h
[P3-2-2] DB Data Definition & Structure	Jose	Medium	3h
[P3-3] JSON Server Creation	Jose	Medium	3h
[P3-4] Web API	Jose	Medium	12h
[P3-4-1] DB Connection	Jose	Medium	1h
[P3-4-2] Migrations	Jose	Medium	2h
[P3-4-3] Routes Definition	Jose	Medium	2h
[P3-4-4] Controllers	Jose	Medium	4h
[P3-4-5] Models	Jose	Medium	3h

[P3-5] APP 1 (NodeJS)	Marcelo	Medium	17h
[P3-5-1] Dependencies Installation	Marcelo	Medium	1h
[P3-5-2] API Connection (JSON Server)	Marcelo	Medium	2h
[P3-5-3] Routing	Marcelo	Medium	2h
[P3-5-4] Controllers	Marcelo	Medium	3h
[P3-5-5] Views	Marcelo	Medium	3h
[P3-5-6] CHARTJS	Marcelo	Medium	3h
[P3-5-7] Web API Connection	Marcelo	Medium	3h
[P3-6] APP 2 (VueJS)	Rafael	Medium	9h
[P3-6-1] Dependencies Installation	Rafael	Medium	1h
[P3-6-2] API Connection (JSON Server)	Rafael	Medium	2h
[P3-6-3] Views	Rafael	Medium	2h
[P3-6-4] CHARTJS	Rafael	Medium	2h
[P3-6-5] Web API Connection	Rafael	Medium	2h

TASK	Responsible	Priority	Time/ hour
[P4] Project Validation			4h
[P4-1] Testing	Rafael	Medium	4h

TASK	Responsible	Priority	Time/ hour
[P5] Project Closure			6h
[P5-1] Checking	Rafael	Low	2h

[P5-2] Deploy	Alaá	Low	4h
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Time division

Considering:

- Project's total hours => 78 h
- Developers => 3
- Time allocated by developer to code => 5 h / day (considering events)
- Total of code hours per day => 15 h

$$78 / 15 = 5 \text{ days}$$

We will present this project on Thursday 19th. Starting on Thursday 12 the Phase 3.

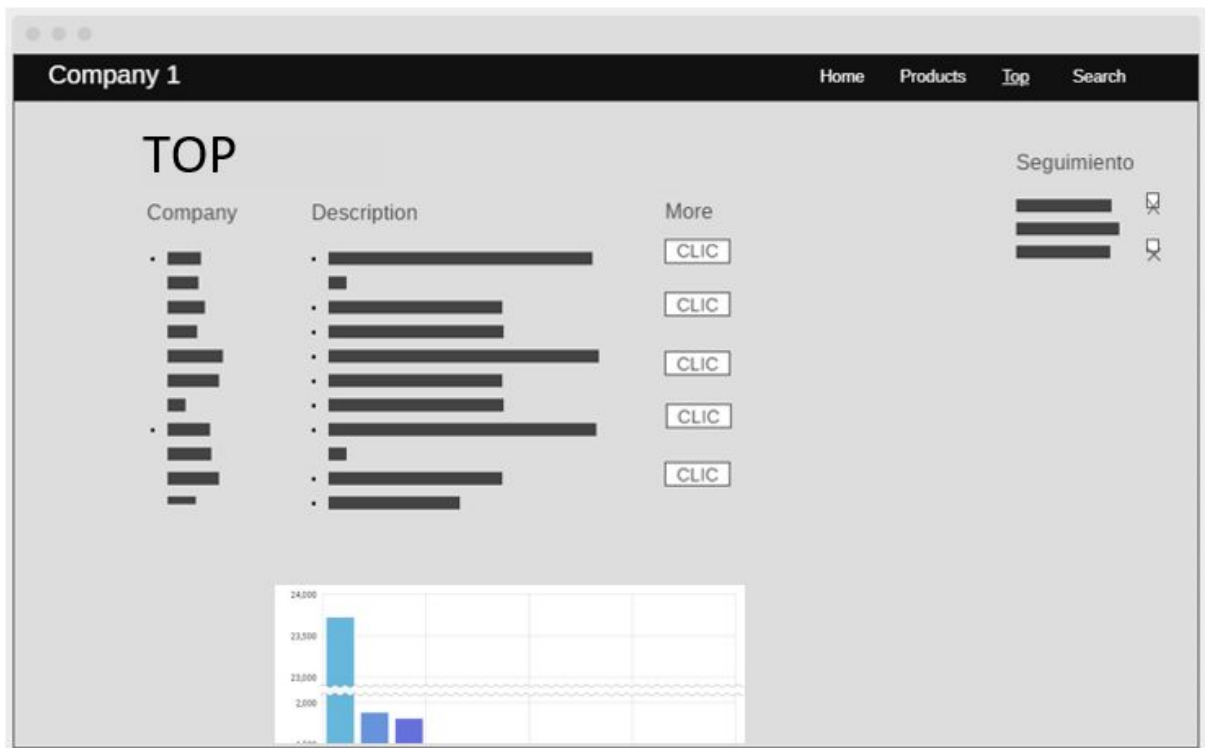
Wireframes

APP 1: NodeJS & Express JS

Home

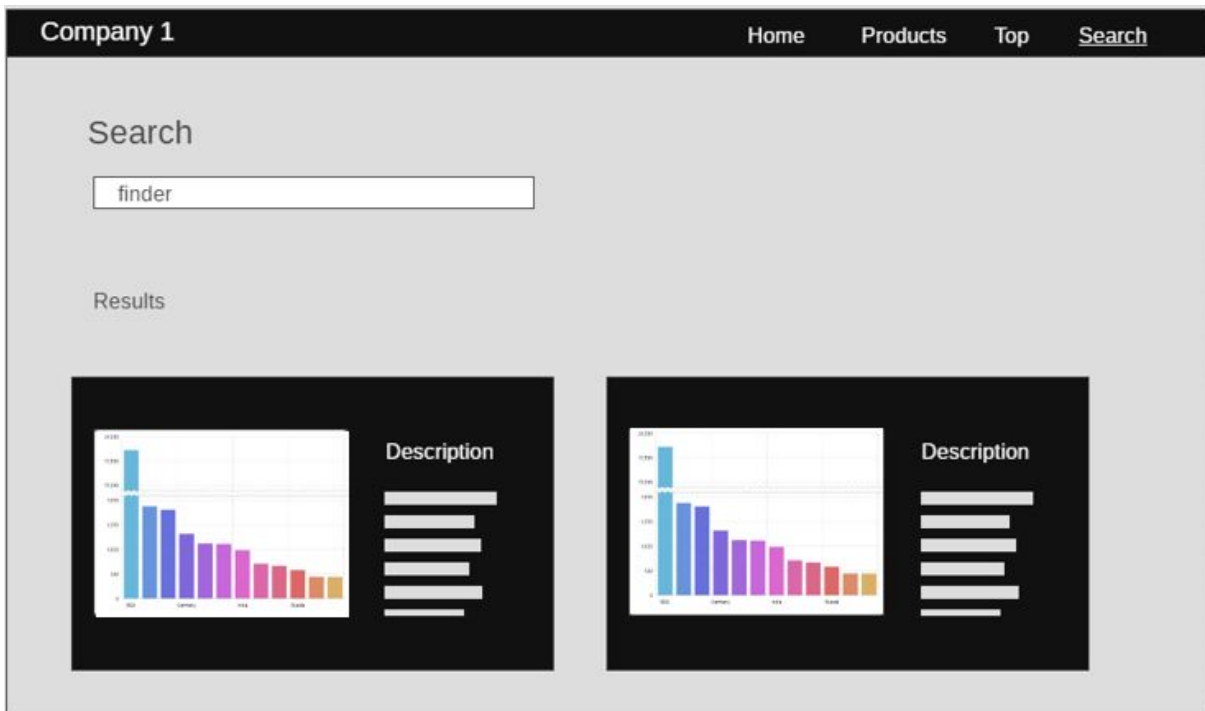
This section will show a table with a list of items/products with his current value and a detail button. When the user presses the detail button, will redirect to the products section with the details of each value.

This section will contain the top 5 of items, and when clicking the button “More”, you will see the detail in the bottom of the page.



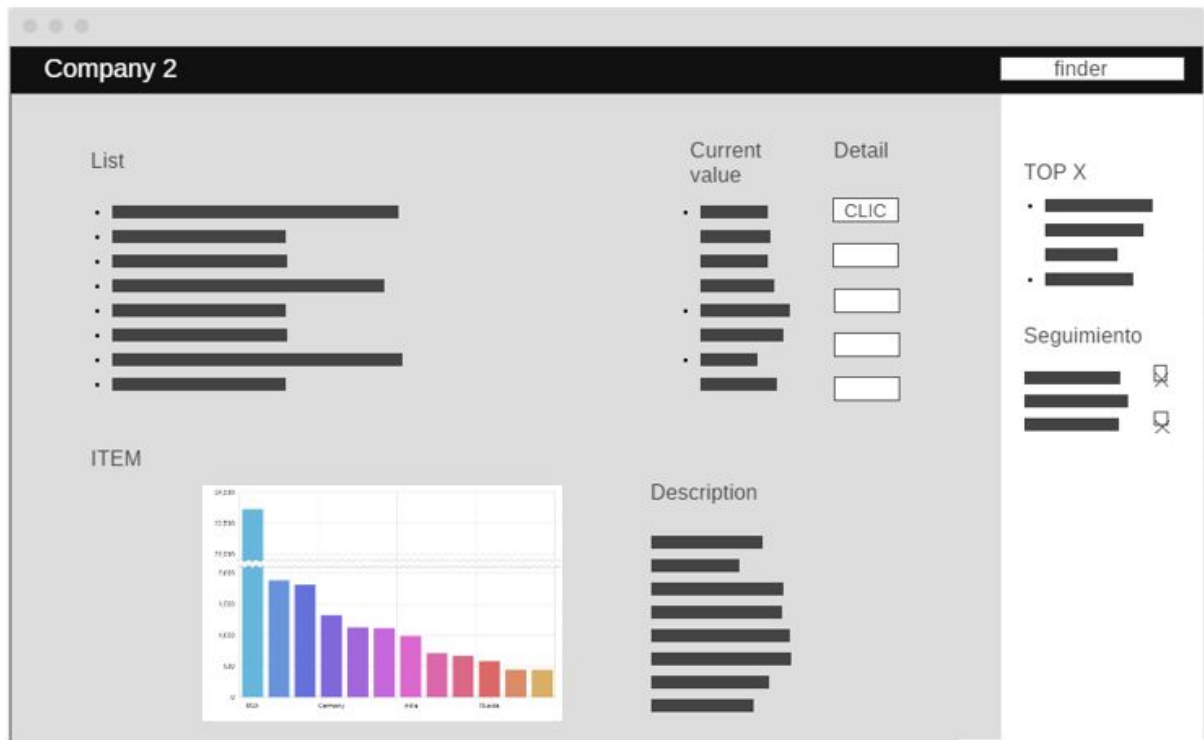
Search Section

In this section will be an input to search the value you want. In the bottom you will see the results of the search with a description and a graphic.

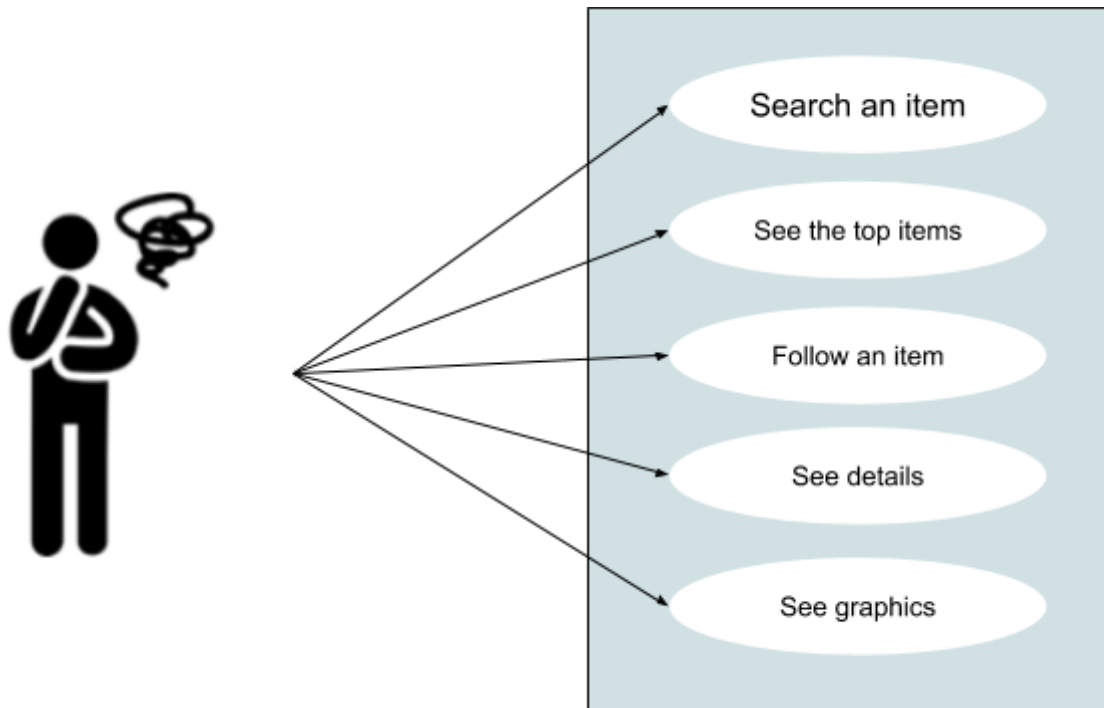


APP 2: Single Page with VUEJS

In this page will be a list of products with a detail button for see the item graphic and a little description. Also in the sidebar will be the TOP list and a List for follow a product.



Use Case Diagram



Database Structure

