I Want It

I want it to be an application that helps the user find products. We implemented it as a study case application in 3 days.

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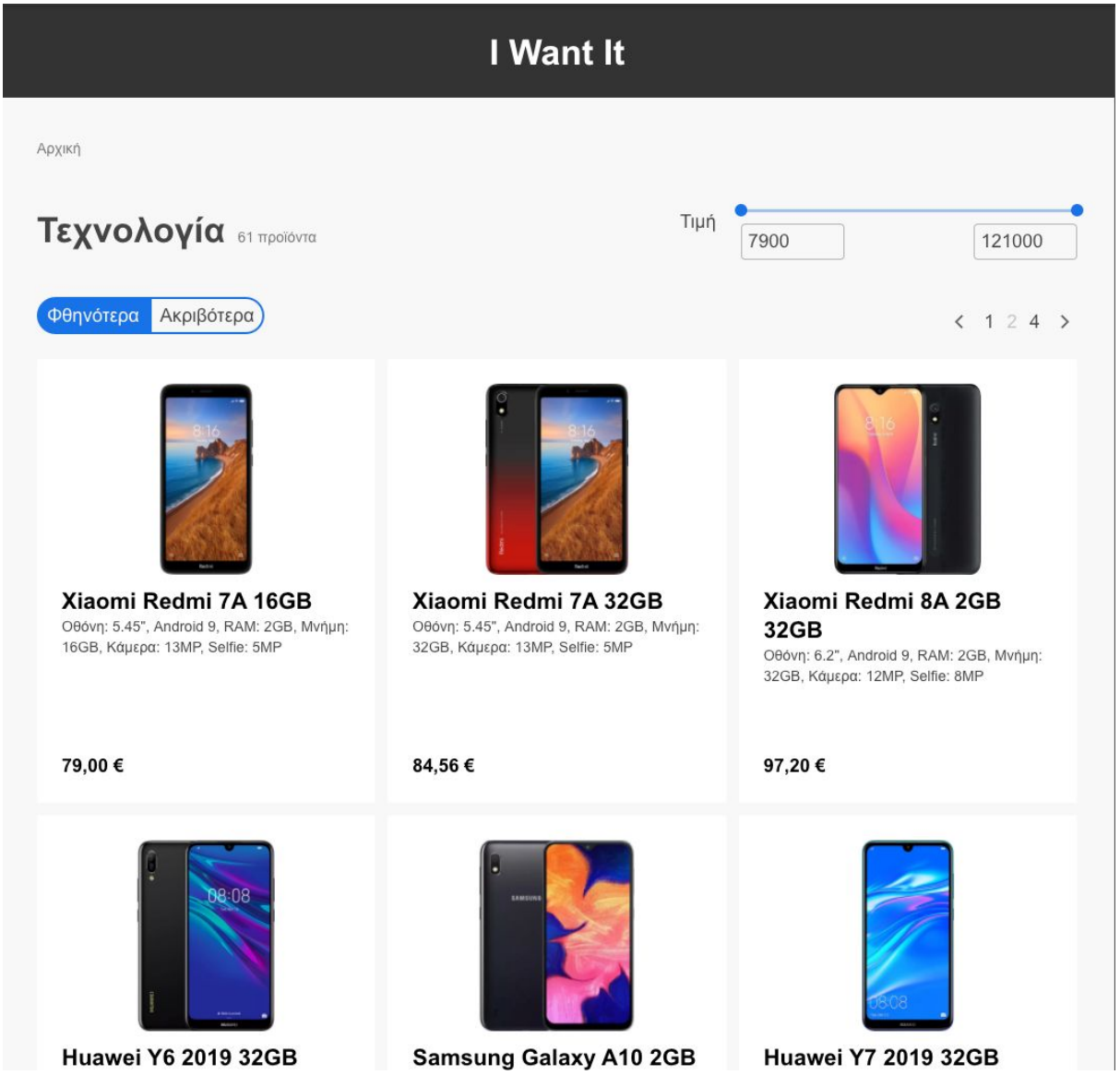
Github repository: https://github.com/apostolidhs/iwantit
Project management: https://github.com/apostolidhs/iwantit/projects/1

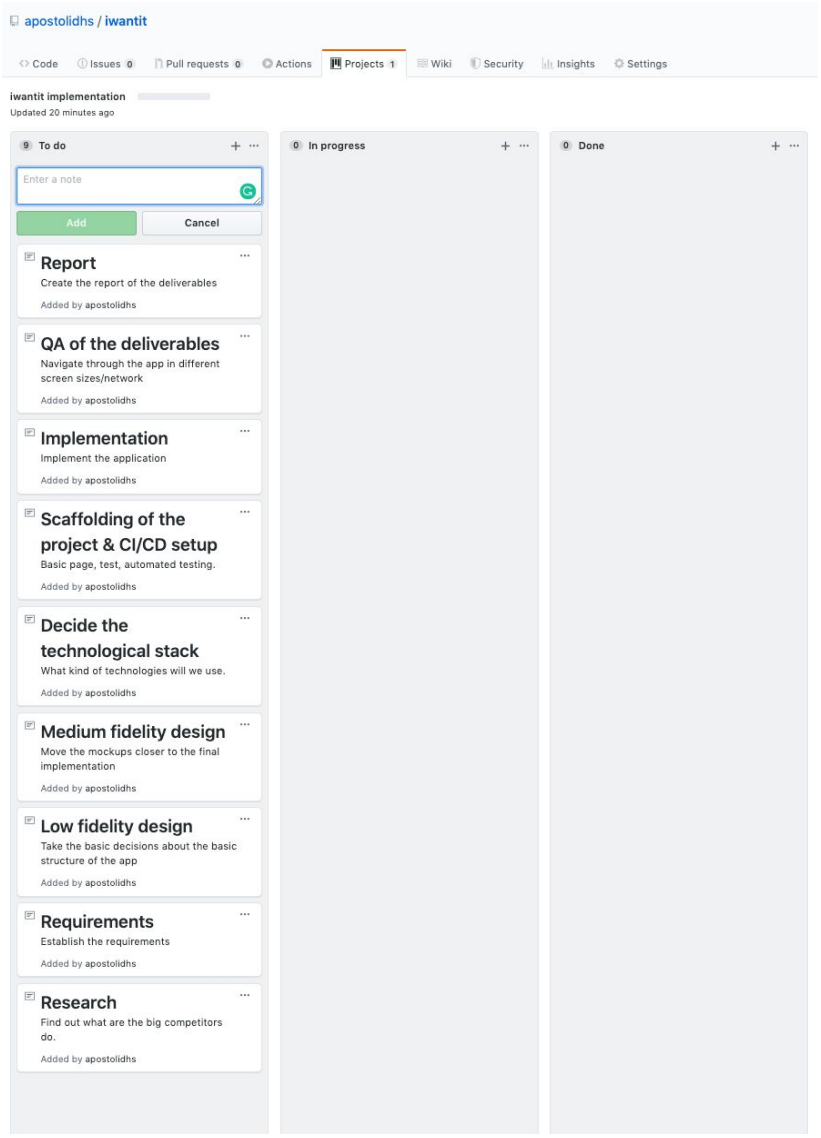
You can explore the products on https://apostolidhs.github.io/iwantit/



Process

We used the project management tool provided by Github. Basic kanban methodology fitted well in our requirements. We set 3 basic flows.
Todo, the stories that have not started yet. In Progress, the stories that are currently in progress. Done, the stories that have finished.

Almost all the stories had a corresponding Github issue. Some stories formed an epic issue, so secondary issues were created for those.



Stories

Requirements

https://github.com/apostolidhs/iwantit/issues/2

We exported the basic requirements for the project, what we really need and set clear goals.

Research

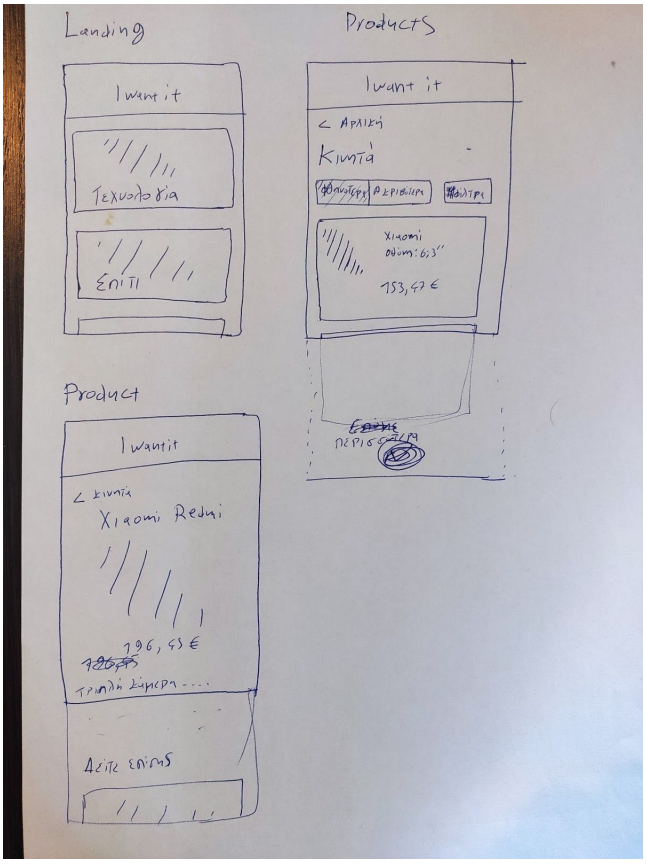
https://github.com/apostolidhs/iwantit/issues/1

We are not alone in this world, there are many firms that have already implemented such a project. They spent a lot of time trying to solve similar problems with us. We explored each page of their applications and found out their approaches to the issues.

Low fidelity design

https://github.com/apostolidhs/iwantit/issues/3

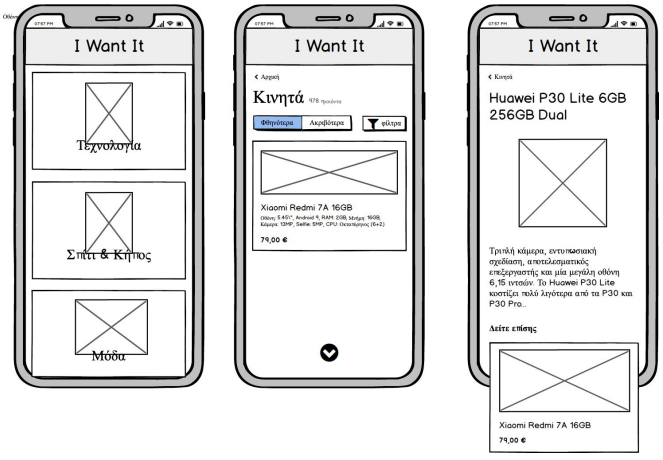
The requirements now are getting clear, we have to take paper and design our initial mockups regarding each segment of the application. This is just an abstract layout, it should be a well-formed mockup.



Medium fidelity design

https://github.com/apostolidhs/iwantit/issues/4

Now the pages and the component of the application have taken a form in the brainstorming process. We are in a position to create better mockups, much closer to the final result. Our hand is not so good at creating this kind of mockups, so we used the Balsamiq tool.



Decide the technological stack

https://github.com/apostolidhs/iwantit/issues/5

After the design and the business decisions, we have to decide what kind of technologies we should use for our stack. We have infinite choices from a variety of technologies. We have to calculate the limitation of time.

Scaffolding of the project & CI/CD setup

https://github.com/apostolidhs/iwantit/issues/6

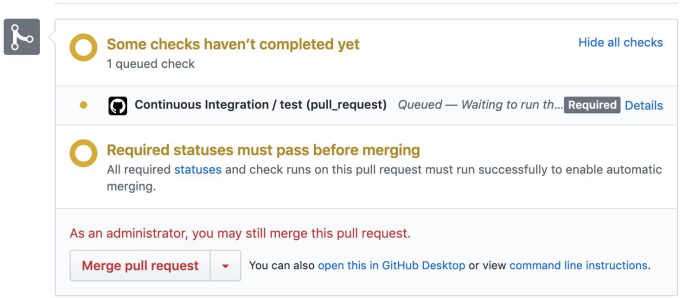
Now we pass to the technical section. We know what kind of tools we are going to use, so we have to set up the backbone of the project. Linters, formating, transpilers, building, testing, continuous integration, continuous delivery (...etc) are going to take place in this step.

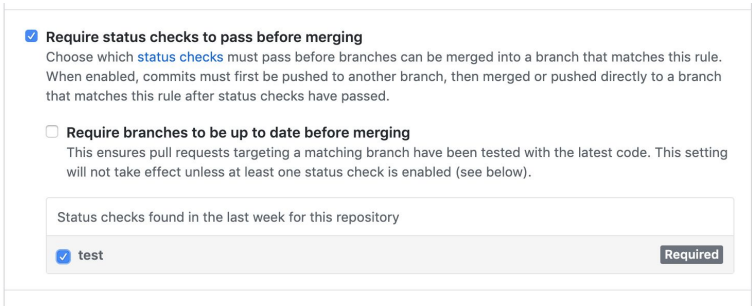
CI/CD

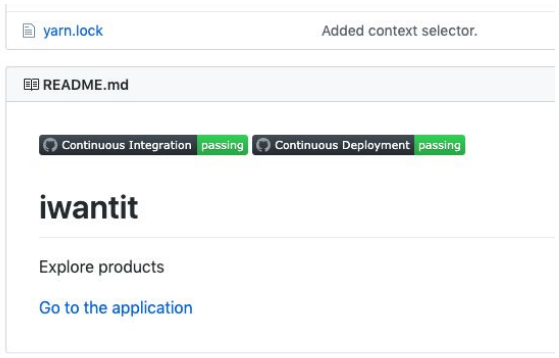
We used Github actions in order to create the CI/CD process. We create two basic workflows.

Continuous integration
All the PRs that are going to be merged in the master branch, were triggering this workflow. Checkout on the branch, install dependencies, build, and run the tests. The prs are locked, we are able to merge the PR only if the workflow finishes successfully.

Continuous delivery
We create a dedicated branch for deployment. The production branch. Every time you are pushing commits in this PR, the deployment process is taking place. Github automatically deploys the branch in the GitHub pages section.



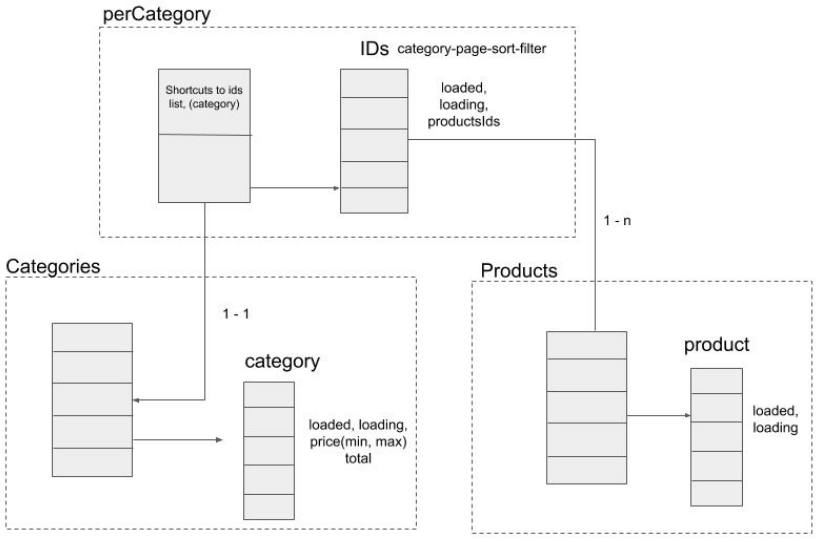




Implementation

https://github.com/apostolidhs/iwantit/issues/9

This is an epic story. All coding of the application is taking place in this step. We had to split this issue into many sup-issues, so it is easier to track the progress of the implementation. Seven stories were created in order to support the epic implementation story.



QA of the deliverables

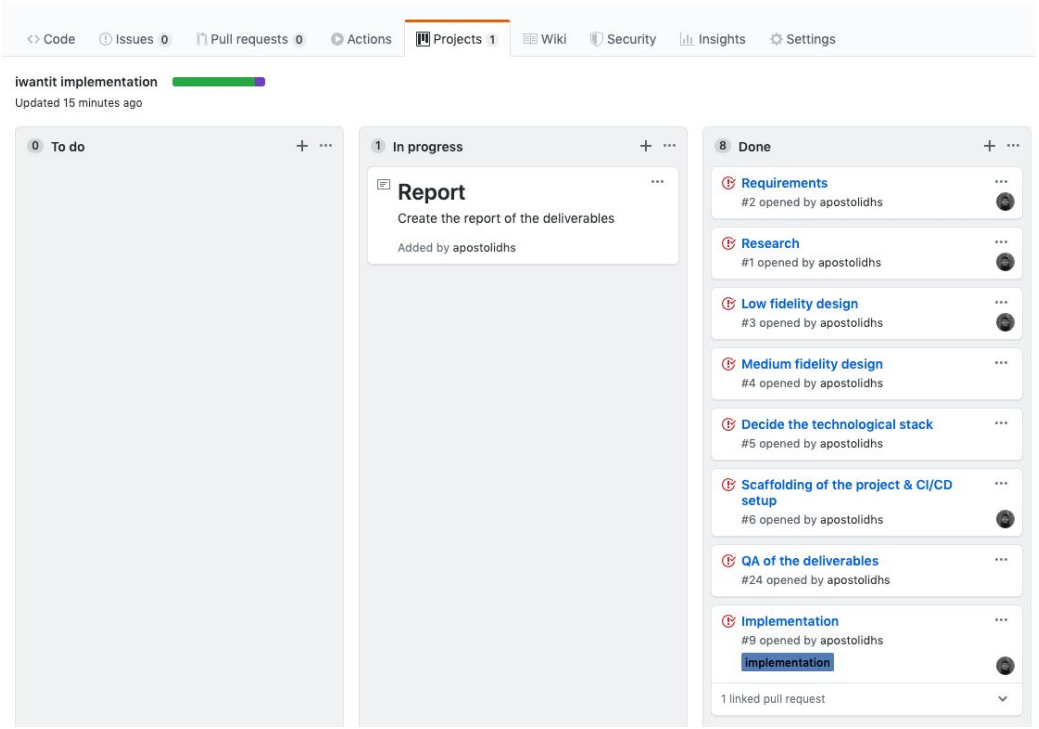
https://github.com/apostolidhs/iwantit/issues/24

After the implementation, we defined some acceptance criteria in the form of user stories. We created an imaginary user that wants to perform some well-defined actions on the page. Those nine stories helped validate the correct implementation of the application.

Report

https://github.com/apostolidhs/iwantit/projects/1#card-36489174

This step does need to be a Github issue. Actually, we are now in this step. We are trying to create a small report that explains what we really did in order to implement the project.



Note

There are many things that we would like to make better. Improve service working, backend support, better layout, quick product view, etc. We had to put a threshold in the requirements, so we could deliver them in three days.

It was a funny and demanding procedure, and I am glad about the result, even if i did not have the time to implement all my thoughts.

Project in numbers