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**Performace Initiative Intro 2**

[OKRs 2](https://docs.google.com/document/d/1UAanoHD7im4JYsK4aU1G8pYatYo5DueXsNndX4CkLNs/edit#heading=h.bynnznki6ft)

[Team 2](https://docs.google.com/document/d/1UAanoHD7im4JYsK4aU1G8pYatYo5DueXsNndX4CkLNs/edit#heading=h.8qal25z4100y)

[Quarter Strategy 2](https://docs.google.com/document/d/1UAanoHD7im4JYsK4aU1G8pYatYo5DueXsNndX4CkLNs/edit#heading=h.7yjuv36gps5p)

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**Objective:** Change the dynamic of how people do maintenance of their vehicle by bringing the mechanic to the client instead of vice versa.

**Key Results**

-Have a working web page that serves as a hub for connecting everyday people with mechanics.

-Have a user base of at least 20 people.

-Have one successful job done and a mechanic rated 4 stars or above.

**Team**

The Team is composed of:

-Luca La Mattina (Product Owner)

-Martin Ciccioli (Full Stack Developer)

-Holger Donath (Research & Design)

-Rodrigo Fera (Research & Design)

### Quarter Strategy

The Strategy for execution during the Quarter will take place in two steps:

-Technology and Market research

-WebPage and Database development

We will probably take the first half of the quarter to survey potential users and explore new technologies that might help us make our product. On the second half we will begin working on building the webpage and anything more that we need to make it work.

***Sprint 1***

***Sprint objectives:***

1) Create webpage prototype

2) Research on coding language and technologies

3) Start creating mechanics database

***Objective constraints:***

**Constraints on objective 1**:

. Make the prototype as accurately similar as possible to what our final webpage will look like.

. Include features (in its design) that will be added during the webpage’s development

**Constraints on objective 2**:

. We must define coding language for our webpage

. We must learn and be able to use chosen coding language

**Constraints on objective 3:**

. We must gather data from mechanics and define database features that will provide distinction between mechanic and consumer users

**Sprint recap:**

During this sprint we faced lots of problems. We tried to rush our project without taking into account the key first steps such as analyzing our idea’s possible impact and evaluating our objective’s constraints in order to check our sprint objectives. We came to the conclusion that our idea was too ambitious, and that our project scope had to be redefined. Unfortunately, we were only able to advance in our webpage´s prototype, which proved not be entirely useful as our pages layout will eventually change according to our new scope. However, this sprint proved useful as feedback received on our ambitions and objectives will help us achieve our goals in a more organized and structured way.

***Sprint 2***

***Sprint objectives:***

1) Redefine project scope

2) Create a survey to model possible consumers (market research)

3) Evaluate possible impact and reliability

***Objectives constraints:***

**Constraints for objective 1:**

.We must consider our projects objectives taking into account possible limitations and evaluating realistically our idea’s impact.

**Constraints for objective 2:**

. We must be able to target a large amount of people for more accurate results.

. We must elaborate clear questions that don’t condition users answers.

. We must use the data in the answers to determine reliability of project scope.

**Constraints for objective 3:**

. We must use the survey to evaluate the reach and possible solutions that our idea can have on a person´s life.

**Sprint Recap:**

During this sprint our project progress increased greatly. Our focus was mainly put in transforming our previous idea into a new one and creating a useful survey to determine our new project’s reach, evaluating the impact on possible consumers. Tasks were spread evenly as everyone had the job of finding people to answer the survey and thinking of the new objectives.

***Sprint 3***

***Sprint objectives:***

1. Start with the web page development
2. Create user interface
3. Login system

***Objective constraints:***

**Constraints on objective 1:**

.Research and learn a new programming language regarding web pages and databases development

.Interact between our page and the database

**Constraints on objective 2:**

.Make it easy to use

.Create a useful and attractive site

**Constraints on objective 3:**

.Create the proper validations for the login fields

.Have a separate login for mechanics and normal users

**Sprint recap:**

During the third sprint we started focusing mainly on the web site development. We split the team in two groups, back end and front end. This didn’t work out as planned as we had some difficulties with the back end, mainly with the communication between the database and the website. So, we decided to focus on this aspect of the project a little bit more. We finally ended up making everything work as we expected and started planning for the future changes for sprint 4. We were able to connect the database with our website, make all the necessary validations for the login and registration fields, make a basic but simple user interface that is intuitive and also make the registration and account login system stable and working for users.

***Sprint 4***

***Sprint objectives:***

1. Create a rating system to evaluate mechanics
2. Create a registration page for mechanics and link them to the database
3. Create a search engine to find mechanics
4. Add insurance company as an attribute to identify mechanics

***Objective constraints:***

**Constraints on objective 1:**

.Mechanic’s rating had to be saved per person in order to make an average value to display.

**Constraints on objective 2:**

.Define database features that will provide distinction between mechanic and normal users.

**Constraints on objective 3:**

.Manage database sorting mechanisms

**Sprint recap:**

During this sprint we were able to make a separate registration and login for mechanics. We separated the tasks in the group as we had to work on multiple things for this sprint. We were also able to make the rating system with one limited vote per person for each mechanic. We also implemented a search engine for users to find the best mechanic according to their preferences, as we added different filters for the search like location, insurance company, rating, etc. This last thing gave us some trouble as we weren’t used to work with databases. We were able to include every functionality we wanted to add and also make the site work as we expected.