



**Universitat de Lleida**

Hackcambridge ccleaner extension

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**Avast**

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# 1 Abstract

The following documentation is about a project developed during Hackcambridge 2019 on the date 19/01/2019 - 20/01/2019 by the following group of students coming from the University of Lleida:

- Marta Albets Mitjaneta
- Oriol Alàs Cercós
- Paula Gallucci Zurita
- Josep Antoni Costa Camps

Where the planification, the approach, the proposal, the development and the conclusions will be explained.

## 2 Selection of the project

The choice was taken by a group of points and circumstances that lead the team to join this idea. The mentioned characteristics are the following ones:

- The aim of the project.
  - The idea of developing an extension was new and unknown by the most of the development team, reason that triggered to get the interest and the attention of the new ones to extension implementation.
- The difficulty of the project.
  - The possibility of design and participate in a project without any previous knowledge encouraged the inexperienced ones to choose this option.
- The support of the Avast mentors.
  - The help and the assistance of the Avast mentors leaded to a comfortable working atmosphere.

## 3 Development of the project

In order to make it easier to understand how the project has been developed, it will be explained in different subsections.

### 3.1 Productivity for the User

The extension has been developed always thinking in the easiest way for the user to manipulate it and learning how to work with it.

### 3.2 User centered design

The project has been always around taking care of the simplicity of the design to reach a good level of accessibility and usability. Therefore, we have bet for a simple and flat design.

### 3.3 Taking care of the scalability

The product has also been designed thinking in the way the enterprise will use it and how much will be usable by them.

## 4 Testing and quality assurance

The extension has been under a rough process in order to guarantee the level of quality any component must have. For this purpose, driven and automated tests have been implemented and passed.

## 5 Difficulties during the development

- The analysis of the data used by the product has been a difficulty. That's why it has not been taken into account focusing on other competencies like the user experience.
- Part of the testing has not been considered due to the lack of material and experience. It was thought to carry out using Jest, Jasmina or Celenium, although we hadn't got enough time and facilities.

## 6 Conclusions

Even though we have had some problems, we are proud of the result, the work we have done all together and, of course, all what we have learned.