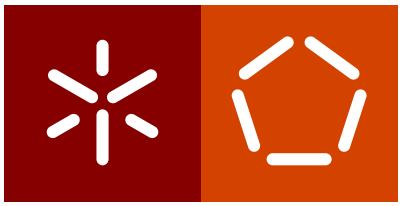

**Universidade do Minho**
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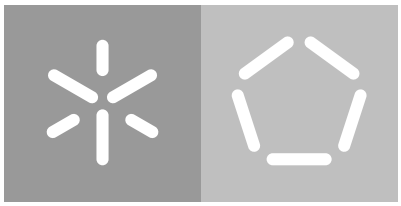
# CLAV:
# API de dados e Autenticação

## Relatório de Pré-Dissertação

November 2019



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# CLAV:
# API de dados e Autenticação

## Relatório de Pré-Dissertação

Master dissertation
Master Degree in Computer Science

Dissertation supervised by
**José Carlos Leite Ramalho**

November 2019

# AGRADECIMENTOS

Write acknowledgements here

## ABSTRACT

Write abstract here (en)

# RESUMO

Escrever aqui resumo (pt)

# CONTEÚDO

# LISTA DE FIGURAS

# LISTA DE TABELAS

# 1

# INTRODUÇÃO

## 1.1 CONTEXTUALIZAÇÃO

## 1.2 MOTIVAÇÃO

## 1.3 OBJETIVOS

# 2

# STATE OF THE ART

State of the art review; related work

## 2.1 BASICS/BACKGROUND/RELATED WORK

Example of a citation where the author should be cited directly on the text like, the work of **?**, on producing LaTeXfiles with BibTeX references.
Another way of citing whithout a direct mention to the author can used like the work done on C language (**?**).

## 2.2 SUMMARY

### 2.2.1 *Conceptual map (Optional)*

You may wish to use the Concept-Explorer tool.

# 3

# THE PROBLEM AND ITS CHALLENGES

The problem and its challenges.

## 3.1 PROPOSED APPROACH - SOLUTION

In this section, it is presented various ways to display an image.

### 3.1.1 *System Architecture*

A block diagram of the planned system / approach

Here we have an example of inserting an image between the text paragraphs.


Here we have how an image can be wrapped into the text without having surronding space, and takin advantage of the space to be disposed on the side, without breaking the text readability.


This approach also benefits from the fact that the text will be related implicitly to the image on its side, although the it should be referenced on the text anyway, otherwise, it should be consulting to perceive to which paragraph the image is related to.

Here is how we place an image as floating body. Take in attention that the image is displayed on the next page, because there's no more room in this page.

You can also use an image as an icon, eg.  , in the main tex. Click on it to visit the website. It is also listed in the list of terms. Another example of an item to appear in the term index:


Figura 1: caption

# 4

# DEVELOPMENT

## 4.1 DECISIONS

## 4.2 IMPLEMENTATION

## 4.3 OUTCOMES

Main result(s) and their scientific evidence

## 4.4 SUMMARY

# 5

# CASE STUDIES / EXPERIMENTS

Application of main result (examples and case studies)

5.1 EXPERIMENT SETUP

5.2 RESULTS

5.3 DISCUSSION

5.4 SUMMARY

# 6

# CONCLUSION

# 7

# CONCLUSION

Conclusions and future work.

## 7.1 CONCLUSIONS

## 7.2 PROSPECT FOR FUTURE WORK

# A

## SUPPORT MATERIAL

Auxiliary results which are not main-stream; or

Details of results whose length would compromise readability of main text; or

Specifications and Code Listings: should this be the case; or

Tooling: Should this be the case.

NB: place here information about funding, FCT project, etc in which the work is framed. Leave empty otherwise.