# Travlendar+ Design Document

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Table of Contents

# 1. INTRODUCTION

## A. Purpose

## B. Scope

## C. Definitions, Acronyms, Abbreviations

Application: by this term we refer both to the web-app and the overall system.

## D. Revision history

## E. Reference Documents

## F. Document Structure

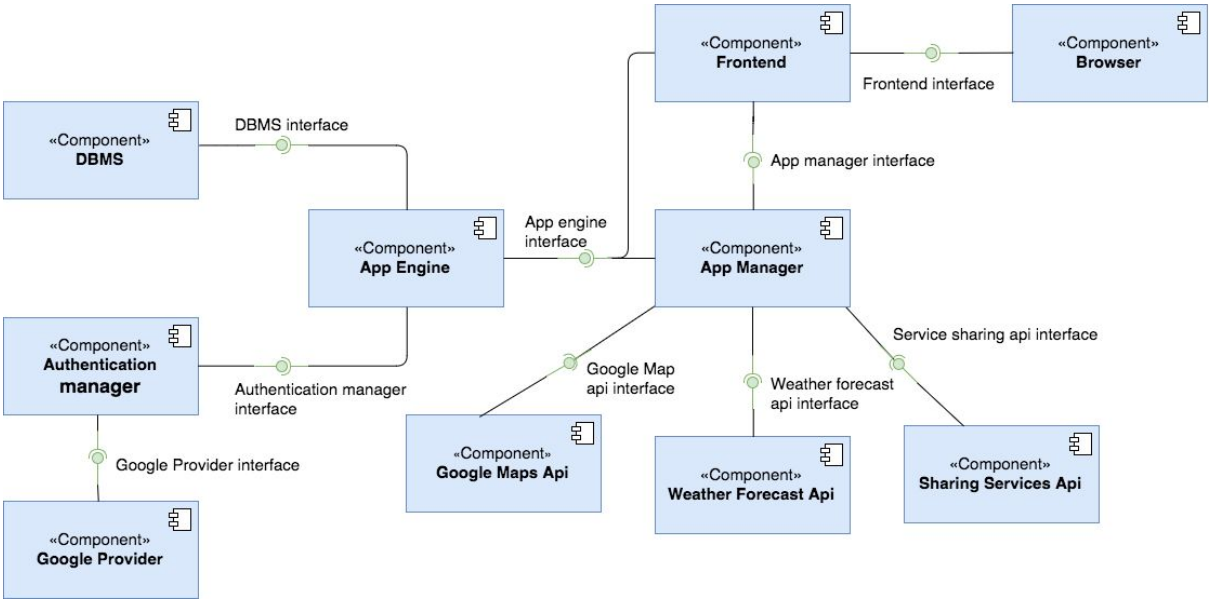
# 2. ARCHITECTURAL DESIGN

## A. Overview:

In this section is addressed the architectural design of Travlendar+. In the following subsections are depicted some of the most relevant shades of the system-to-build. Therefore is given an insight over the software components of the system and the interfaces interleaved among them. Is also given a runtime view of the system to explain its behavior and is addressed the deployment of the software component to have a static view of what the system will looks like.

## B. High-level components and their interaction

In this section there is the component diagram of the application, that describes, at high level perspective the component of the application and the interactions between them.




### C. Component view

In this section is provided an insight of those components whose behavior must be refined to have a comprehensive view of the system to build.

### D. Deployment view

### E. Runtime view:

You can use sequence diagrams to describe the way components interact to accomplish specific tasks typically related to your use cases

### F. Component interfaces

### G. Selected architectural styles and patterns:

Please explain which styles/patterns you used, why, and how

### H. Other design decisions

## 3. ALGORITHM DESIGN:

Focus on the definition of the most relevant algorithmic part

# 4. USER INTERFACE DESIGN:

Provide an overview on how the user interface(s) of your system will look like; if you have included this part in the RASD, you can simply refer to what you have already done, possibly, providing here some extensions if applicable.

# 5. REQUIREMENTS TRACEABILITY:

Explain how the requirements you have defined in the RASD
map to the design elements that you have defined in this document.

# 6. IMPLEMENTATION, INTEGRATION AND TEST PLAN:

Identify here the order in which you plan
to implement the subcomponents of your system and the order in which you plan to integrate such subcomponents and test the integration.

# 7. EFFORT SPENT:

# 8. REFERENCES

## A. Bibliography


- IEEE Std 830-1998, IEEE Recommended Practice for Software Requirements Specifications, which can be retrieved on the beep page of the course.