**Abstract**

The main task of this document is to give a specification of the requirements that our system has to fulfil adopting the IEEE-STD-830-1993 standard for RASD documentation . It also introduces the functional and non-functional requirements via UML diagrams and a high level specification of the system. In the last part of this document it presents the formal model of the specification using Alloy analysis.

The information in this document are intended for the stakeholders and the developers of the project. For the stakeholders this document presents a description useful to understand the project development, meanwhile for the developers it’s an useful way to show the matching between the stakeholders’ requests and the developed solution.

**Introduction**

In this section we will explain which are the main scopes of the Travlendar+ application and we will provide a general overview of all the features.

**Purpose**

The main purpose of the RASD document (Requirement Analysis and Specification Document) is to highlight the domain in which the system will work and the primary use cases.

The document below specifies who will use the system, the reason for which the system is developed, what services will be provided and the environment in which the system finds its use.

We will need to define the functional and not functional requirements of the system.