

Software Requirement specification for MyCalendar application

1. Introduction

This document describes the behavior of a MyCalendar application - a calendar and event manager intended for use on personal computers. The calendar app keeps track of all dates, and users added events from 1900 to 2100.

2. Environment

2.1 Hardware and Software

The application should run on any personal computers running Microsoft Windows XP and above, or Macintosh Mac OS X 10.0 and above operating systems.

2.2 Expected End-Users Expertise

The users are expected to be novice computer users who have basic knowledge of using the mouse and keyboard.

3. Functional Requirements

3.1 UI

The UI intended to model a calendar UI used in Windows, Linux, Android, and other OS. It shows the days (in box) for the current month.

The top bar shows menu items Files, Settings, and the Help. A date will be shaded white if it falls in the currently shown month and gray if not.

The tab, arrow and enter keys are used to navigate around the buttons, text areas, text boxes and other sections in the application.

3.1.1 Years

Years can be navigated by '<' and '>' and manually entering the year in the text box.

3.1.2 Days

Days can also be selected by simply clicking at and navigating through the arrow keys.

3.1.3 Months

All twelve months are shown in the drop-down menu and can be navigated through the arrow keys.

3.2 Events

The events dialogue can be opened by clicking on the date that you want to create the event for. Events can be added, viewed, edited, saved, and deleted. The events have following functionalities. The event title is restricted to 50 characters.

3.2.1 Event Dates

Events have dates that can be selected by default and entered in the YY-MM-DD format.

3.2.2 Event Times

The events' time is separately inputted to the date in both AM/PM and 24 hr formats.

3.2.3 Event Year

The events can be saved for any date from years 1900 to 2100.

3.2.4. Event Location

Location is an address where the event will be held. For example, the event takes place at 123 Fake Street, Clayton VIC 3400. It only supports two types of location formats that are American and Australians. The application also accepts the addresses with abbreviated street types such as 123 Fake St. Clayton VIC 3400.

3.2.5 Event Guests

Guests can be added to the events, and the guests name, email address, and the phone number is required in order to do so. The names cannot be 20 characters long and cannot contain special characters. The phone numbers are ten characters long without the country code and 12 characters long with country code, adhering to the Australian phone number format. Guests are notified of the event by email. The email contains the complete detail of the event, date, venue and time.

3.2.6 Importing & Exporting Events

This app supports the importing and exporting the events in the csv format compatible with Windows OS.

4. Non-Functional Requirements

4.1. Portability

The application should be able to run on x86 or x64 based machines running on Windows XP and Ubuntu 14.01 or above version. It should also be able to operate on a Macintosh personal computer running on macOS version 10 or above.

4.2. Usability

The interface of MyCalendar should be as close to the appearance and operation of a physical Calendar as possible. The appearance of the application on the two platforms. (Windows and Mac) should be as close to identical as possible.