ArTech

System-Wide Requirements Specification

Usage note: There is procedural guidance within this template that appears in a style named InfoBlue. This style has a hidden font attribute allowing you to toggle whether it is visible or hidden in this template. Use the Word menu Tools🡪Options🡪View🡪Hidden Text checkbox to toggle this setting. A similar option exists for printing Tools🡪Options🡪Print.

# Introduction

Artech is a system for scheduling technical visits, it has as functionalities register, remove and change the system’s users, clients, Staff, Services and prices, ​​and technical visits. The responsible user makes the login into the system, after that, he can schedule the visits by entering the specific part of the system, manage users registered in the system. Also can generate and print reports for control.

# System-Wide Functional Requirements

Requirement necessary for the functionality of the system is to authenticate, no she cannot make any operation.

# System Qualities

The system is very intuitive, the user needs only to login with your details and will have a main menu where he can choose the option you want in a simple and easy way.

## Usability

Visible buttons, simple lyrics and easy to read, method fits applied, quickly and safely.

## Reliability

Must be logged in to add information, therefore, the login will all logs of who made changes in the system to control when required. It is made an automatic backup every day and it saves the information on the server and cloud case something happens to the customer's hardware.

## Performance

Its characteristic is a clean, simple and intuitive system. The system response for reading and writing data is very fast. The storage capacity can be increased when desired. Your boot takes between 30secs and its completion depends on the information that they will need to save in server and cloud.

## Supportability

At the moment the system can be used in windows and android platform, but the future may be used in iOS and Mac. Installation is easy and is already configured for the user, but can be customized if desired. To run the system does not need a heavy hardware because the algorithm used to better fit on older hardware. You will have the option to make upgrades and maintenance on request and has a help system for the user, if not enough can be requested in person or online support.

# System Interfaces

N/A.

## User Interfaces

N/A.

### Look & Feel

Windows user experience & user interface guidelines and android UI guidelines.

### Layout and Navigation Requirements

N/A.

### Consistency

N/A.

### User Personalization & Customization Requirements

N/A.

## Interfaces to External Systems or Devices

N/A.

### Software Interfaces

N/A.

### Hardware Interfaces

N/A.

### Communications Interfaces

N/A.

# Business Rules

Cannot be scheduled a visit technique for the same coach in the same time.

It cannot be scheduled a technical visit Saturday, Sunday and holidays.

## Rule scheduling

### Rule scheduling technical visit coach

If the coach is free in the time of the visit requested and scheduled technique to him, if it is not, is not scheduled and searches for another free technical.

### Rule scheduling technical visit calendar

Check that the time required will not fall on Saturday, Sunday or holiday, event fall schedule on another day.

# System Constraints

The system use language Portuguese PT-BR by default.

# System Compliance

## Licensing Requirements

N/A.

## Legal, Copyright, and Other Notices

N/A.

## Applicable Standards

Standards for interface usability by the <http://www.dclick.com.br/2010/11/29/android-ui-guidelines/> and <http://msdn.microsoft.com/en-us/library/aa511440.aspx>.

# System Documentation

The documentation will be created by the developer with tutorials and step by step to complete tasks on the system.