MedPat: a Doctor – Patient platform

Vision

Version 1.0

Revision History

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| 20.03.2018 | 1.0 | First rendition | Turcu Lucian Andrei |
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Vision

# Introduction

## Purpose

This document has the purpose of identifying, examining and defining the features and high-level requirements of the Doctor – Patient platform. It will focus on the functionality required by such an application and the means through which it is fulfilled. These means will be detailed in the use-case and supplementary specifications.

## Scope

The document is associated to MedPat, a mobile platform designed to facilitate the communication between patients and their doctors. It will be built to run on the Android smartphone operating system. Using it, doctors will be able to easily manage appointments and keep their patients up to date with all their medical needs and recommendations. The patients will be able to make appointments and request remote consulting. Also the application will provide a database of medical articles so patients could read more about their medical conditions.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Doctors having a hard time managing the needs of multiple patients, some of them remote. |
| affects | Doctors and their patients |
| the impact of which is | Misunderstandings, miscommunication, missed appointments. |
| a successful solution would be | An easy to use platform that can run on any smartphone and provide means to make and track appointments, track prescriptions, track patient-measured vitals etc. |

## Product Position Statement

|  |  |
| --- | --- |
| For | Doctors and patients |
| Who | Wish for a means to facilitate their interaction |
| The MedPat platform | is a software application |
| That | provides means to make and track appointments, track prescriptions, track patient-measured vitals or set medication reminders. |
| Unlike | Other similar projects |
| Our product | Is designed to be lightweight, free and compatible with most Android phones. |
|  |  |

# 

# Stakeholder and User Descriptions

## Stakeholder Summary

Below is the list of non-user stakeholders that would be interested in the project. (The users are summarized in section 3.2.)

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Student | This stakeholder is responsible with doing his assignment. | Creates a design, writes documents, writes code, tests the product. |
| Teacher Assistant | This stakeholder supervises the student. | Checks documents and implementations. |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Doctor | End user. | Manages appointments, writes prescriptions, offers consulting. | Self |
| Patient | Primary End user. | Makes appointments, requests consulting, reads articles in the provided database. | Self |

## User Environment

1. The application will be used by:
2. Doctors managing their patients’ medical needs and keeping track of appointments.
3. Patients requiring the help of a doctor or more information in about their condition.
4. MedPat will be used:
5. At home
6. At the medical cabinet
7. Any other location, if need arises

As it is built with speed in mind, a normal usage session should not take longer than 10 minutes for either the doctor or the patient. The session involves a single user.

The application will use the Google calendar for appointment tracking, to make it easier to check the doctor’s free hours. If the feature makes into the final build, the application will also implement Google maps, to provide directions to a medical center.

# Product Requirements

* A server to hold the database containing users and other data. The database engine is SQL.
* A smartphone running on Android OS. The hardware requirements are negligible.
* A stable internet connection.