Android Blood Bank

Vision

Version 1.0

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 21/03/2018 | 1.0 | Preliminary version of the system | Dănilă Vlad-Mihai |
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Vision

# Introduction

## Purpose

The purpose of this document is to collect, analyze, and define high-level needs and features of the Android Blood Bank application. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how the Android Blood Bank fulfills these needs are detailed in the use-case and supplementary specifications.

## Scope

This Vision Document is designed for the Android Blood Bank System (ABBS), which will be developed for Android based devices. The (ABBS) acts as an important role in saving life of human beings which is also its main aim. The system will allow users to register and view information about registered blood donors such as name, address, medical information, blood group and also the availability to donate blood.

## Definitions, Acronyms, and Abbreviations

ABBS - Android Blood Bank System

*\*Note: Glossary may contain additional information*

## References

1. [Android Blood Bank project requirement](http://nevonprojects.com/android-blood-bank/)

## Overview

The Vision document further comprises:

* Problems solved by this project
* The intended position in the marketplace
* Stakeholders and users involved
* Details of the targeted user working environment
* Product requirements

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Long time required to find blood donors |
| affects | Any person in need of a blood transfusion or willing to be a blood donor |
| the impact of which is | Wasting vital irretrievable time in emergency situations |
| a successful solution would be | A simple mobile application that provide required information and can be easily used. The product would provide fast access to the area of interest, significantly decreasing the time required to completely accomplish a blood transfusion. |

## Product Position Statement

|  |  |
| --- | --- |
| For | Any person in need of a blood transfusion or willing to be a blood donor |
| Who | Wants to save time in the context of finding compatible donor in shortest time or is willing to donate blood |
| The (product name) | is a software application |
| That | Saves time in emergency situations by providing fast access to the right donor |
| Unlike | Currently available methods which highly depend on random willing to donate persons |
| Our product | Provides willing donors with means of sharing medical data and needing blood persons with means of fast accessing required data |

# Stakeholder and User Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Developer | Builds the system | -Builds the system  -Tests the software |
| Manager | Coordinates the software developers | -Distributes responsibilities, managing developers |
| Administrator | Makes sure the software works accordingly | -Installation of the system |
| Application User | Person that downloads the application | -Uses the system |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Willing donor | Primary End user of the system | Uses the application to share personal medical data | Self |
| Patient | Primary End user of the system | Uses the application to search for possible donor | Self/Relative |
| Patient Relative | End user of the system | Uses the application to search for possible donor | Self |

## User Environment

1. The ABBS will be used by people which are willing to make blood donations or need a blood donation.
2. The application should facilitate the interaction between the two types of users no matter their current location.
3. The operating system supported will be Android

# Product Requirements

1. Android 4.4 KitKat or higher