NOVA

Health Care Application and Digital Assistant

**Software Requirements Specification**

Version 1.0

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Introduction

1.1 Purpose

The purpose of the Software Requirements Specification is to describe the specific requirements of the Health Care Project. Included with the description of the requirements is a description of any constraints or assumptions that the project is working within.

This document also provides a description of any project dependencies that need to be explicitly expressed. It describes the overall constraints that the project is working on as well as the assumptions made while building the project and analyzing its requirements. Along with the requirements descriptions, it is also the purpose of this document to describe any performance requirements that need to be met. If there are any standards that need to be considered when developing the software are also listed.

Lastly, the purpose of this document is to communicate the system attributes of the Healthcare application. Design constraints and standard compliance are also considered in this section. It deals with the performance requirements that are These system attributes include reliability, availability, scalability, maintainability, and portability.

1.2 Scope

The scope of the Software Requirements Specification is to describle in details the requirements for the Health Care Application. This majorly will include permonace requirements, system constraints and assumptions that have been made while formulating the requirements.

It is outside the scope of this document to deal with the hospital management system, possibility and algorithms used for prediction of diseases. It is also outside the scope of the document to describe in any possible detail of how the certain mentioned or technologies work and operate.

1.3 Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| **Definition, Acronym, or Abbreviation** | **Description** |
| SRS | Software Requirements Specification. |
| SMTP | Simple Mail Transport Protocol |
| POP3 | Post Office Protocol 3 |

1.4 References

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2. Overall Description

2.1 Product Perspective

The Health Care application that is to be designed aims at assisting users to initially deal with their health problems and then contact nearby hospitals and make appointments for the same. We are aiming to incorporate a chatbot to put panicking users at ease. The Healthcare Application and its requirements are only pertaining to the functionality needed to implement the Healthcare Application.

This software is being developed in increments, and is not being programmed to detect diseases from symptoms. An API can be integrated at a later incremental stage judging by the financial budget and time availability.

The software will be requiring permissions and access to the user’s device location to track the current GPS and locate nearby hospitals. For the same purpose, hospitals have to be contacted and they need to give accent to participate in this application’s search program.

2.2 Product functions

The following is a table of the requirements that the system SHALL meet. The list of the requirements was produced from the initial project documentation provided by the requirements experts.

Table of SHALL Requirements

|  |  |  |
| --- | --- | --- |
| ID | Origin | Shall Requirement |
| 1 | P |  |
| 2 |  |  |
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