# ABSTRACT

The requirement for health care is unfulfilling, in this day and age when new diseases and new technologies are coming every day. We have poor health care system, poor doctor information, and inexperienced doctors. Many people find it difficult to find doctors and specialists in their cities. The same goes for medical stores as well, many people do not know medical stores and their availabilities.

The traditional ways of health care are time consuming and inefficient. With growth in usage of Internet, there is an opportunity for people to use digital means for retrieving and searching the needed information take care of their health in an efficient way.

In the following analysis, we evaluate technologies, tools, and methodologies that focus on challenges and implementation of the system. Agile software development practice introduced the project with three different Personas and User Requirements as User Stories and Scenarios to gain a solution with possible refinement through iterations.

Dr. Search web application is built on following basic features:

**1.**       **Search a doctor:**This feature allows users to find specialized doctors in particular area with their clinics opening and closing time. In this, the user can filter search results using disease, location, and type of health insurance.

**2.**       **Find a medical store:**This feature allows users to find a medical store nearby specified a location with their opening and closing timings.

**3.**       **Read health articles:**Using this feature user will be able to read health articles which are helpful in daily life for primary medication of health issues.

# INTRODUCTION

In the current situation, it is a painful task to find a doctor best suited for you and your health. Searching a right doctor to diagnose health problems is tricky, as there is no trusted information regarding the competence of a particular doctor in his/her area of expertise. Many people do not know most of the doctors and medical stores in their cities. Many things are available on the internet but there is no centralized platform which will give users an information about Doctors, Medical stores with respect to their particular insurance.

In the digital era of computers & smartphones, it is very convenient to find a right doctor or a medical store on a single click. Furthermore, such web-application comes in handy and can be used efficiently.

## Purpose:

This document describes the complete multi-device graphical user interface based web-application development (Dr. Search) under agile software development methodology to find the right doctor and medical store.

## Scope:

The new Dr. Search web-application that allows user to find the right doctor for specified health issue by filtering out user’s location and health insurance parameters.

## User Survey:

To access our potential users we constructed a survey on the basis of certain functionalities by comparing with other applications.

Following are the findings from our survey:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Functionalities | JAMEDA | BUNDESARZTSUCHE | APOTHEKE VOR ORT | DR. SEARCH |
| 1 | Helps find Doctor | Yes | Yes | No | Yes |
| 2 | Helps find Medical store | No | No | Yes | Yes |
| 3 | Health articles | Yes | No | No | Yes |
| 4 | Opening/Closing timings of clinic | Yes | No | - | Yes |
| 5 | Opening/Closing timings of medical store | No | No | Yes | Yes |
| 6 | Location based search | Yes | Yes | Yes | Yes |
| 7 | Insurance based search | No | No | - | Yes |
| 8 | Doctors Qualification | Yes | No | - | Yes |
| 9 | Patients feedbacks/reviews | Yes | Yes | - | Yes |

*Table 1: User Survey*

Justification:

As you can see from the above table, there are almost no other applications to find the doctor and medical stores depending upon specified criteria. This is our Unique Selling Point (USP). Some features such as to search doctor based on “Health Insurance Type”, to find a medical store are completely unique in our web-application.