433010900 SRS ON Pathdoor COM pdf

Software Engineering (Lovely Professional University)

Software Requirements Specification

For

Book Diagnostic (pathdoor.com/ medd.com)

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Roll No- 21

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1. Introduction

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, scope, definitions, acronyms, abbreviations, references and overview of the SRS. The aim of this document is to gather and analyze and give an in-depth insight into the complete system.

1.1 Purpose:

The purpose of this document is to build an online system to manage and book diagnostic and consult with experienced and renowned doctors freely about specific treatment and get proper, the desired satisfaction of causes of disease and its treatment. The customer can deliver its sample of blood or urine without going to the hospital and can get the report online.

1.2 Document Conventions: font: TNR 11

1.3 Intended Audience and Reading Suggestions

The document is intended for all the stakeholders customer and the developer (**designers, testers, maintainers**). The reader is assumed to have basic knowledge of internet and design.

1.4 Abbreviations

Throughout this document the following abbreviations are used:

- ➢ p : is the user
- ➢ m: paid amount.
- ➢ t : is the doctor
- ➢ l : person who check order
- ➢ n : who maintain web site

2. SCOPE

The scope of software is to bind customers with easy health treatment and test diagnostic without being or going to the hospital. It enables the customer to get their tests done and issues about health are solved by being at home or office. The customer can book all their Diagnostic test, Health Check-ups in just 1 minute. The customer can decide when and where they get the sample to pick up done: At home or office. Through this system, one can book diagnostic and test online also can consult with high profile doctors.

3. Overall Description

3.1 Product Perspective

Communication interface: The device communicate with pathdoor web site by any networking

Software interface: The messages sent via the communication network are specific that the test is booked or not.It also verify that web server is working or not

Hardware interface: The software will run on an any device like android, Windows, Mac O.S and all other platforms

User interfaces

Customer:

The customer user interface should be easy, such that all new users are able to complete their test booking without any assistance.

Person to check orders or booking :

Person is required to check that how many orders are there and how many people are assigned to pick up blood sample and other sample

Maintainer:

A person who check that web site is working correctly or not. Also that payment gateway is working or not

3.2 Website Features

Web site must work for 24*7, and a the l and n must be there so all the executive assigned to customer and there is no problem in website. Website is having easy interface so all the user are able to book test in there first attempt and there is no error in website. And services list must be there so user find relevant test to be booked
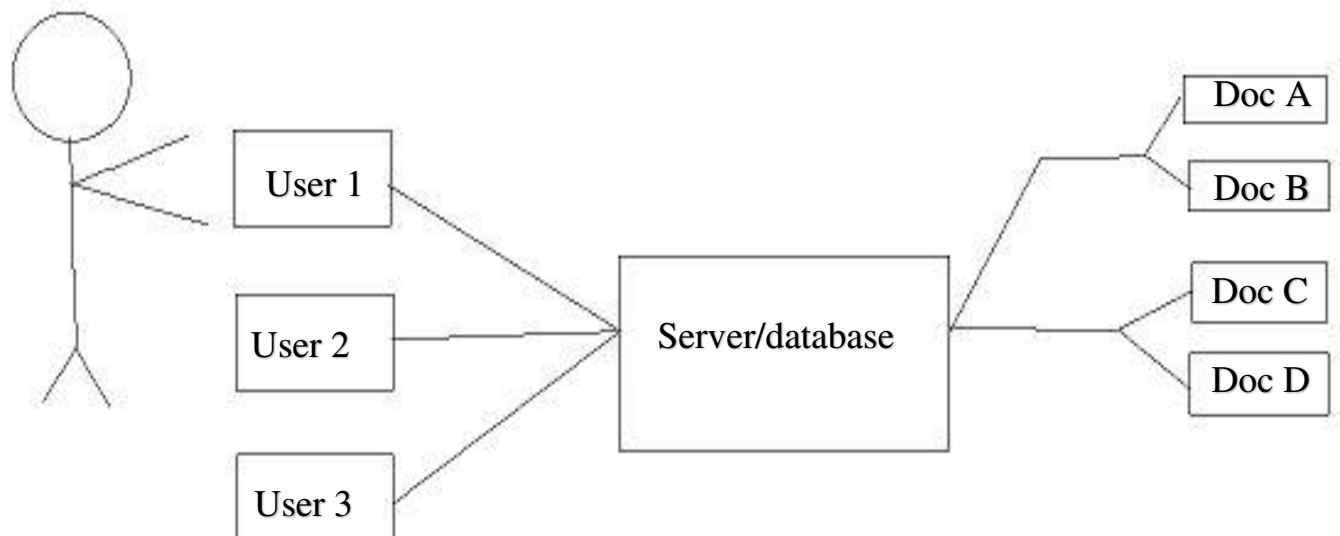
3.3 User Classes and Characteristics

Characteristics: There are several users of the ATM network:

Customers are simply members of the general public with no special training.

Order Checker

need some special knowledge to check test booked by user.

Maintainers

n must be experienced network administrators, all the web coding so if there is some error or some burnability so he is able and fix that issue

3.4 Operating Environment

The hardware, software and technology used should have following specifications:

- Ability to take booking from user
- Ability to check the payment is done by user or not
- Server is required to store website data and for hosting also
- Continuous power supply to server
- Ability to connect to the user
- Ability to show processing bar
- Ability to validate user
- User must have some device so he/she can access website
- Website must be in working condition

3.5 Assumptions and Dependencies

- Website never fails
- Limited number of test are there in a day(for user health)

- Have to book timeslot in which they are able to provide blood sample and other sample (timing)

4. Functional Requirement

The functional requirements are organized in two sections First requirements of the Mobile and econd requirements of the Internet Here Functional requirement defines a function of software/product and its component, where

a function is described as a specification of behaviour between outputs and inputs.

4.1 LOGIN:

Description : p must be login in web site to access all the features of site

Input: The user needs to provide his/her username and password to login.

Output: They get logged in and will move to the home logged in into his account.

Page.

Processing: The user gets logged in into his/her account.

4.2 SIGN UP:

Description : if p don't have account then p have to sign up t0 access the site

Input: The user needs to provide his/her complete details to create their MEDD account and after that,

they can login and experience provided facilities.

Output: Their details will be provided and the account will be created.

Processing: The user gets the facility to join with his/her new Account.

4.3 DOWNLOAD APP:

Description : interested p use android or ios application to book there diagnostic

Input: The user can download the MEDD/Pathdoor app by clicking on the download option on the logo provided.

Output: The application downloads

4.4 BOOK TEST:

Description : p have to choose test and then have to provide his all detail like address and other detail

Input: The user needs to provide his/her respective test name and category.

Output: The necessary information will be provided.

Processing: The classification of the tests as per user details of the problem.

4.5 DOWNLOAD REPORT:

Description :If p wants to check there report then he/she have to open the app and then check his previous test and report

Input: User needs to select the respective test and download the respective report.

Output: Reports would be downloaded.

Processing: Downloading of the report.

4.6 FIND LAB/MEDD CENTER:

Description :n have to enter all the centers and city so p check and find nearest centre to book there test

Input: The respective user can find respective labs and centres for diagnostic.

Output: Displays list of labs and centres.

Processing: Searching of the lab is carried out.

4.7 CONSULT DOCTOR:

Description : p is able to select t with whom he want to consult and t time slot must me free at that time

Input: The doctor with user wants to consult can be selected.

Output: Conversation starts only after payment is done.

Processing: The conversation is started.

4.8 HEALTH PACKAGES:

Description : there are lots of packages that p can select and they have to m

Input: The respective user can select desired health packages.

Output: Desired health packages are added to cart.

Processing: User need to provide details and confirmation package selection is done.

4.9 PAYMENT:

Description : p have to pay relevant amount according to there plan and also have to choose there gateway so the payment done and next process starts

Input: The respective health package can be bought online by paying the required amount payment of

test of the sample can be done.

Output: Display of acknowledgment of payment.

Processing: The amount Transaction is carried out.

4.10 MY TESTS:

Description : there must be tab in which there is option for my test so p can check there test report and other information

Input: User clicks on Tests to view the tests they have ordered.

Output: Display of list of tests with payment detail and date.

Processing: The display of a list of tests is carried out.

4.11 Dashboard:

Input: there are lots of option user have to choose relevant option

Output: get relevant information

Processing: The display correct information

5. Non-Functional Requirement

A non-functional requirement is a requirement that specifies criteria that can be used to judge the operation of the software or product, rather than specific behaviours. They are contrasted with functional requirements that define specific behaviour or functions.

5.1 Hardware Requirements

Description : p can use any device to access the site

· 1 GB of **minimum disk space** is required for installing the **software**.

· 256 MB of free **disk space** is required for report directory.

· 256 MB of free **disk space** is required for log directory

5.2 Software Requirements

Description : Device mush have any of there web browser so p can access the website version and use it

· Google Chrome.

· Firefox.

· UC Browser.

· Mozilla.

· Opera mini

· Internet Explorer and Microsoft Edge.

Note: Any browser you use needs to have cookies and JavaScript turned on.

5.3 Performance Requirements

Description : required good performance of website and also of app so there is no problem to p of site

· **Performance:** The system must be interactive, and the delays involved must be less.

So, in every action-response of the system, there are no immediate delays.

· **Safety:** Information transmission should be securely transmitted to the server without any changes in information.

· **Reliability:** The degree to which the result of a report, tests, or specific health packages can be depended on to be accurate.

5.4 Security Requirements

Description : website must have ssl certification so no one is able to theft the information of payment and web site must be secure so no is able to hack the website and do something wrong with site

· The software has supported secure HTTPS.

· Third-party encryption in transit.

· OTP verification.

5.5 Interface Requirements

Description : web site most easy interface is required so any p can book there test

· The **software interface** makes **software** unique amongst web diagnostic systems for several reasons. Most evident to users are its search-oriented features and means of managing courses in an organised way.

5.6 AVAILABILITY REQUIREMENTS:

Description : n have to work continously

The system must be online 24 hours a day, 7 days a week. There is no place for an extended downtime, especially when the project goes International. The Mean Time between Failures should not be very.

5.7 USABILITY:

Description : website take less time to load

The user interface of the diagnostic system should be very user-friendly. It should not take more time for a new user to register for an account. The time required for a user to place his order should be less even less.

5.8 MAINTAINABILITY:

Description : n must be there in company so there is no problem

The online system should be developed in such a way that changes can be made easily.
The system should be easy enough to maintain that someone else could do it with manual and a few hours training

DFD MODEL: -

A **data-flow diagram** (**DFD**) is a way of representing a flow of a data of a process or a system (usually an information system). The **DFD** also provides information about the outputs and inputs of each entity and the process itself. A **data-flow diagram** has no control flow, there are no decision rules and no loops.
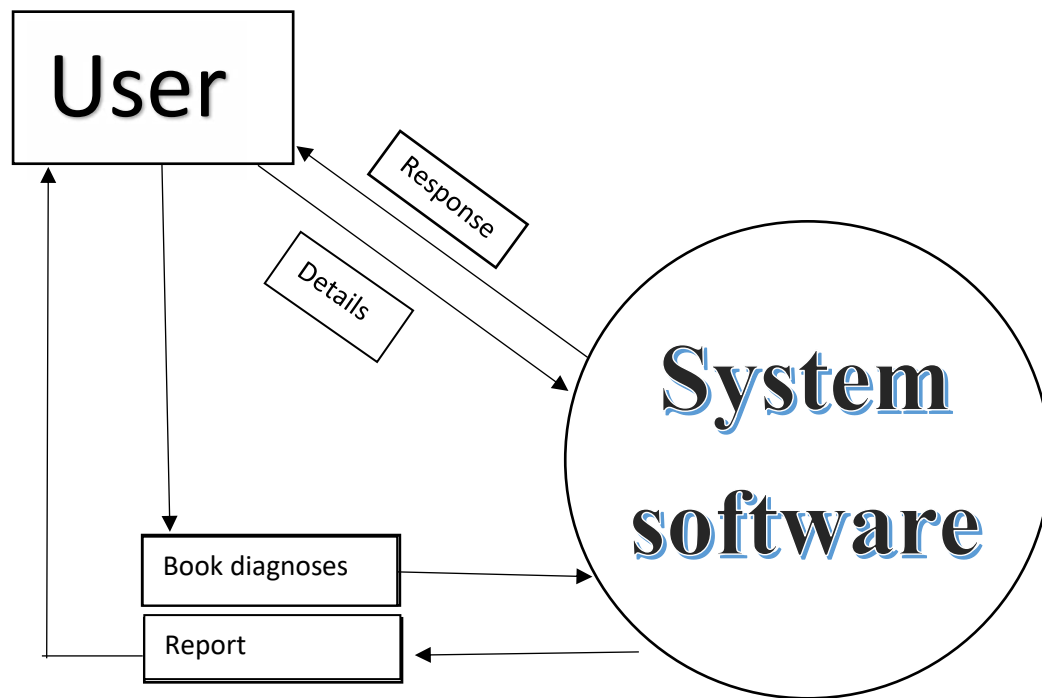

Fig: - 0 level DFD MODEL

A *level 0 data flow diagram* (DFD), also known as a context diagram, shows a data system as a whole and emphasizes the way it interacts with external entities. Here the external entity is user.