Software Requirements Specification

for

Diet plan management system

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**Revision History**

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

# Introduction

## Purpose

*The purpose of the document is to build an online system to give diet plan on the basis of customers requirement.*

## Document Conventions

*Not applicable.*

## Intended Audience and Reading Suggestions

*This project is a prototype for the Diet plan management system and it is restricted within the college premises. This has been implemented under the guidance of college professors. This project is useful for any group of people.*

## Product Scope

*The purpose of the system is to help people find out correct diet plan.*

## References

*Not applicable.*

# Overall Description

## Product Perspective

*The diet plan management database system help store following information.*

* ***User Details:***

*It includes their name, email id.*

* ***Diagnostic report****:*

*A diagnostic report for each user produced by expert based on his analysis.*

## 

## User Classes and Characteristics

*The users of class include customers, technician. The customer should be able to do the following functions:*

* *Collect details.*
* *View report*
* *Get diet plans.*

## Operating Environment

*Operating environment for the* diet plan management *system is as listed below.*

* *client/server system*
* *Operating system: Windows.*
* *database: SQL+ database*
* *platform: PHP*

## Design and Implementation Constraints

1. *SQL commands for above queries/applications.*
2. *How the response for application will be generated.*
3. *Make the reports visible to users.*

## User Documentation

*Created in text editor and stored online or offline.*

## Assumptions and Dependencies

# External Interface Requirements

## User Interfaces

* *Front-end software: PHP.Html5*
* *Back-end software: SQL+*

## Hardware Interfaces

* *Windows.*
* *A browser which supports HTML & JavaScript.*

## Software Interfaces

* *Following are the software used for the* diet plan managment *online application.*

|  |  |
| --- | --- |
| ***Software used*** | ***Description*** |
| *Operating system* | *We have chosen Windows operating system for its best support and user-friendliness.* |
| *Database* | *To save the user records, complaint records we have chosen SQL+ database.* |
| *Php* | *To implement the project we have chosen Php, an open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.* |

## Communications Interfaces

*This project supports all types of web browsers. We are using simple electronic forms to register complaints, view report etc.*

# System Features

## System Feature 1

4.1.1 Description and Priority

*The system maintains information on various clients, diagnostic reports.*

*4.1.2 Stimulus/Response Sequences*

* *Register*
* *Display diet plan*
* *Recommend suitable diet plan.*

4.1.3 Functional Requirements

***CLIENT/SERVER SYSTEM***

*The term client/server refers primarily to an architecture or logical division of responsibilities, the client is the application (also known as the front-end), and the server is the DBMS (also known as the back-end).*

*A client/server system is a distributed system in which,*

* *Some sites are client sites and others are server sites.*
* *All the data resides at the server sites.*
* *All applications execute at the client sites.*

## System Feature 2 (and so on)

# Other Nonfunctional Requirements

## Performance Requirements

## Safety Requirements

*If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed up log, up to the time of failure.*

## Security Requirements

*Security systems need database storage just like many other applications. However, the special requirements of the security market mean that vendors must choose their database partner carefully.*

## Software Quality Attributes

* ***AVAILABILITY:*** *The service should be available on the specified date and specified time as many customers are doing advance reservations.*
* ***CORRECTNESS:*** *The diagnostic report should mean what the exact hair type of the customer is based on their answering of the questionnare.*
* ***ACCESSIBILITY:*** *The customers or service centers should be able to access the diagnostic report .*
* ***USABILITY:*** *The software should satisfy a maximum number of customers needs.*

## Business Rules

# Other Requirements

**Appendix A: Glossary**

**Appendix B: Analysis Models**

**Appendix C: To Be Determined List**