

Software Requirements Specification

Group 24

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Introduction

Document Overview:

The purpose of this document is to give a detailed description of the requirements for the “Nutrition World”. It will illustrate the purpose and complete declaration for the development of system. It will also explain system constraints, interface and interactions with other external applications. This document is primarily intended to be proposed to a customer for its approval and a reference for developing the first version of the system for the development team.

Executive Summary:

“Nutrition World” is a website for someone who aims to be in shape ... Imagine a lot of articles, videos, recipes, motivating stories, daily exercises and much more in one place.

By having an account, you can keep in touch with all the daily updates concerning diet programs, recommendations about food that suit you and your body and tracking your progress.

You can add your country region in order to present to him/her the names of the available doctors in his/her regions by using GPS and GPS navigator and interact with them to ask them questions.

Abbreviations and Terminologies:

Term	Definitions
User	Someone who interacts with the internet
Admin	System administrator who is given specific permission for managing and controlling the system
Diet	means the usual food and drink consumed by a person
GPS	Global Positioning System
GPS-Navigator	An installed software on mobile phone which could provide GPS connection and data, show locations on map and find paths from current position to defined destination

User Description:

-The user can make a new profile on the system in the first time to log in. This profile will include his/her name, age, weight, height, and percentage of fats, water and muscles (which can be known using a body in from any pharmacy).

After that the user will be requested to include his/her email and then making a password to this email.

-On each time the user opens the website, he/she will be requested to log in using his/her email and password which he/she has created in the profile.

This log in page will check if the taken user email and password match, if matches, the home page will be opened, and if not the user will be requested to enter his/her email and password again.

-The user can select his/her country and region in order to present to him/her the names of the available doctors in his/her regions.

The user will select his/her preferable doctor in order to communicate with him if the user wants.

-There will always be an option to send a message to the doctor at any time, giving him a feedback about the food system or asking him/her a question.

-The user can have the ability to change in any information, he/she has made in his profile.

System Features:

Nutrition World maintains information on meals preparation, health doctors and reservation of appointments, calculating calories and processing the needed exercises and nutrition plans for the user. Of course, this project has a high priority because our health is on top of our priorities.

Stimulus/response sequences:

For the first task:

- Search for available doctors at the user region.
- Display a list for all the available doctors for the user region to choose from.
- Reserve a date for the user and inform the doctor.

For the second task:

- Process the In-body entered by the user and analyze it.
- Display a detailed list for all the suggested nutrition plans and work-outs.

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.

Nonfunctional Requirements:

1- Security Requirements:

The user information will be totally private and not available to any parties except those who will be allowed access by the user.

All the users must accept the terms and policies of the website to be able to access their information with their approval.

2- Usability Requirements:

All the suggested nutrition plans and work-outs should be easy to follow and available for the users.

All the reservations should be accurate and editable for the users.

Any user profile must be editable and updated every period of time to be of maximum efficiency for the doctors and to match accurately the nutrition plans and work-outs.

3- Performance Requirements:

If 0.1 second is the time for a task to be completed, then there is no need for a feedback message for the user.

If 1.0 second is the time for a task to be completed, then there will not be a feedback message for the user.

If more than 10 seconds, then there must be a feedback message indicating when the task will be completed to keep the user interaction with the website.

4- Technology Requirements:

We will use PHP for the backend, mySQL for the database and HTML and CSS for the frontend.