Nutrition World

SRS

Introduced By Group 24

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Introduction

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 search for doctors in order to present to him/her the names of the available doctors.

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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.

Abbreviations and Terminologies

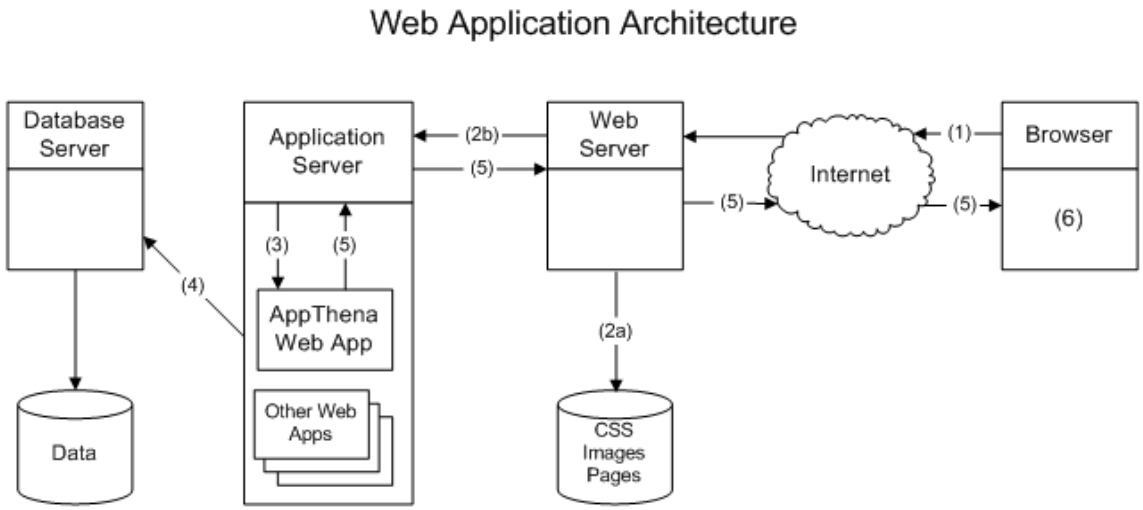
Term	Definitions
User	Someone who interacts with the internet
Admin	System administrator who is given specific permission for managing and controlling the system
Diet	means the usual food and drink consumed by a person

References

https://en.wikipedia.org/wiki/Nutrition

System Description

Introduction



This software product is eventually intended for someone who aims to be in shape . Product will be
deployed to web site and all users of the product will access by use of the website. Website will be
main user interface where users can operate all the provided functionality. However, this web site
will be only a part of a larger system. There will be cloud server where all the user data is kept and all
the execution is done. Website will only be the interface for the user data and the execution of
provided functionalities.
To use product, users are required to register through the web interface. Whenever a new

user registered, all the required data will be created in the database and a predefined workspace will
be assigned for the user. Later, user will be able to login and logout the system anytime he wants.
Since every operation that user perform reflected to our database.
From the user point of view, user will have to functionality to create and edit information . User will be able to get Nutrition plans and work-outs, he can search for doctors .

Users

Users of the website : they visit website to search for Nutrition plans and workouts or search for a doctor.

The administrators : They are managing the overall system so there is no incorrect information within it.

Modules

Finding a doctor :

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

Nutrition plans and work-outs :

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

System Users

Users of website

The website users can use the website to find a doctor or to get Nutrition plans and work-outs or communicating with doctor . This means that the user have to be able to search for doctors, choose a doctor from that search . In order for the users to get a relevant search result there are multiple criteria the users can specify and all results matches all of those.

The administrators

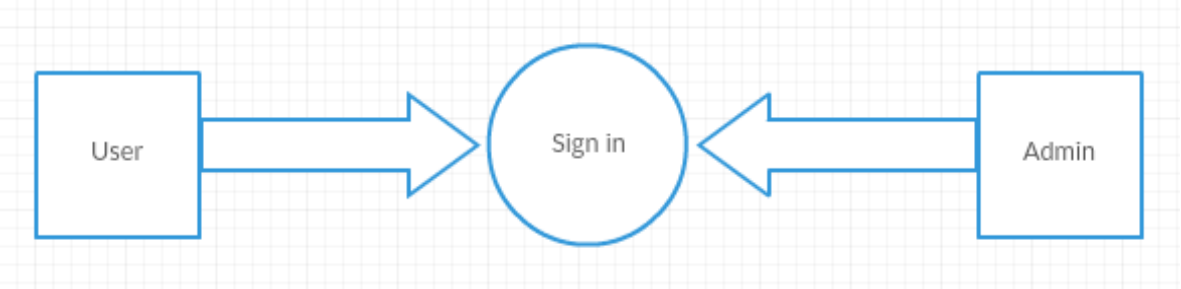
The administrators also only interact with the web. They are managing the overall system so there
is no incorrect information within it.

System Modules

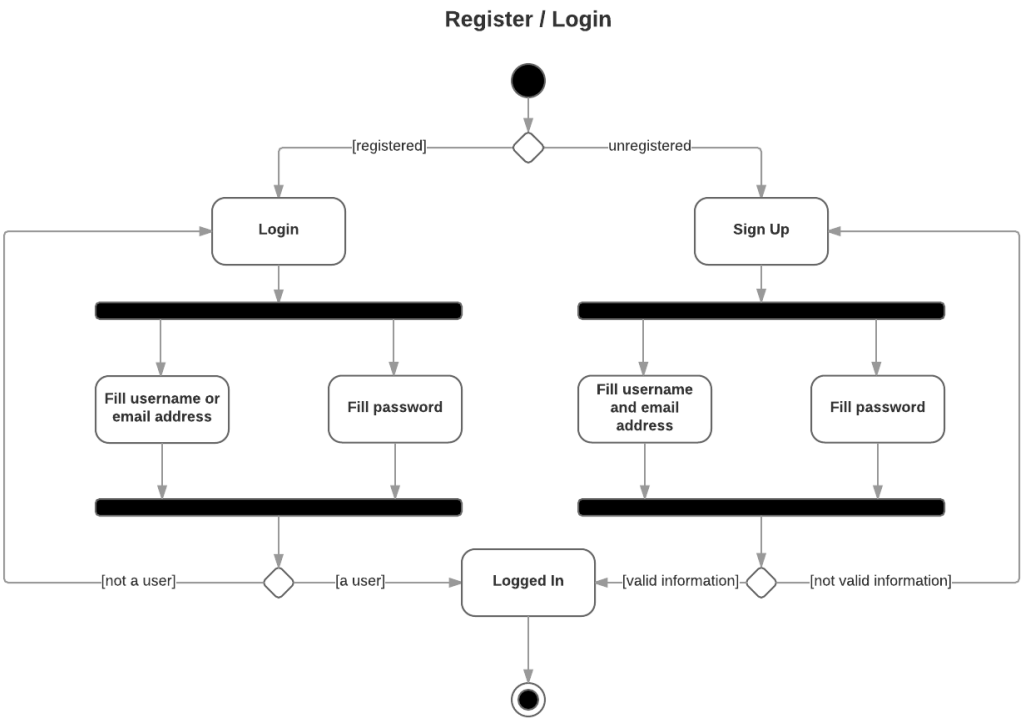
Sign in / Sign up to website

Where use can create an account on website using his email and set password or if he laready got an account he can login to website

Context diagram:



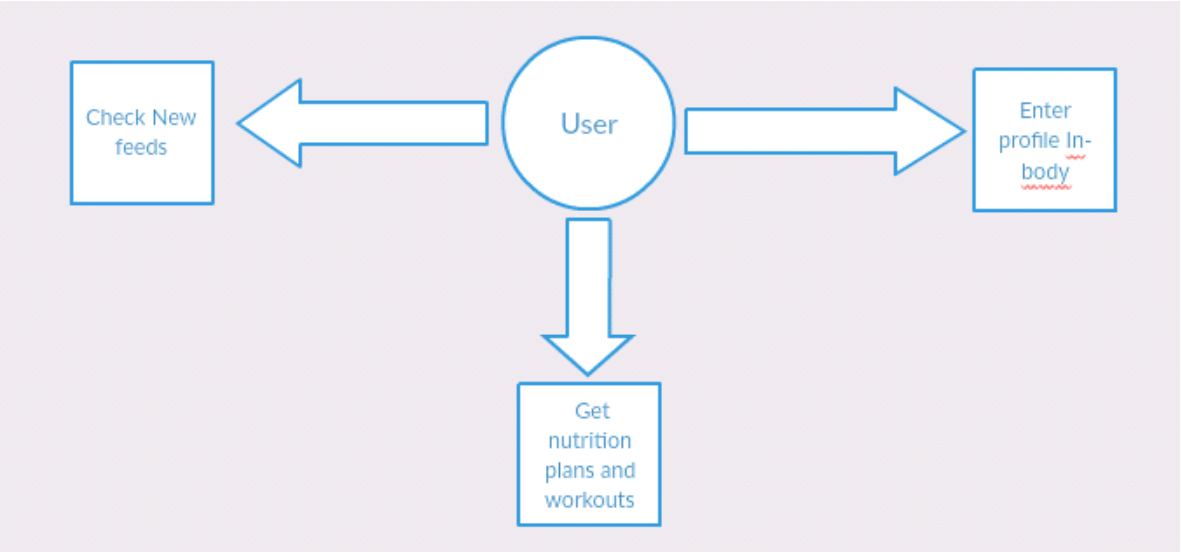
Activity diagram:



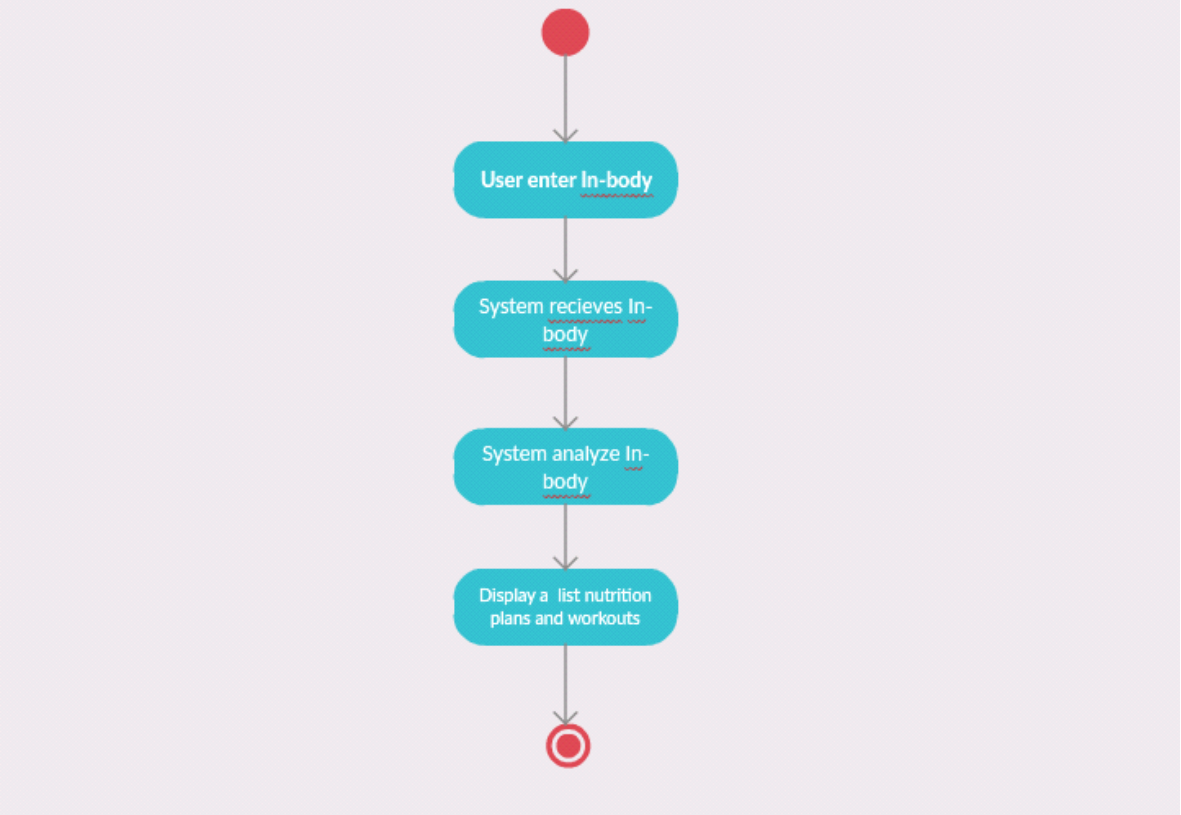
Nutrition plans and work-outs module

Where use can enter his In-body and system will analyze it and Display a detailed list for all the suggested nutrition plans and work-outs.

Context diagram:



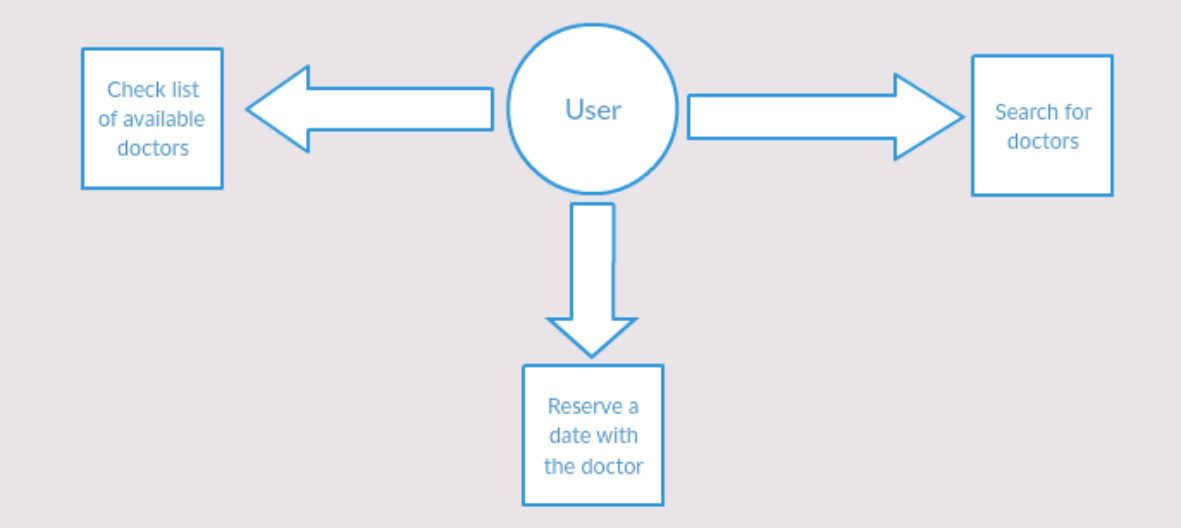
Activity diagram:



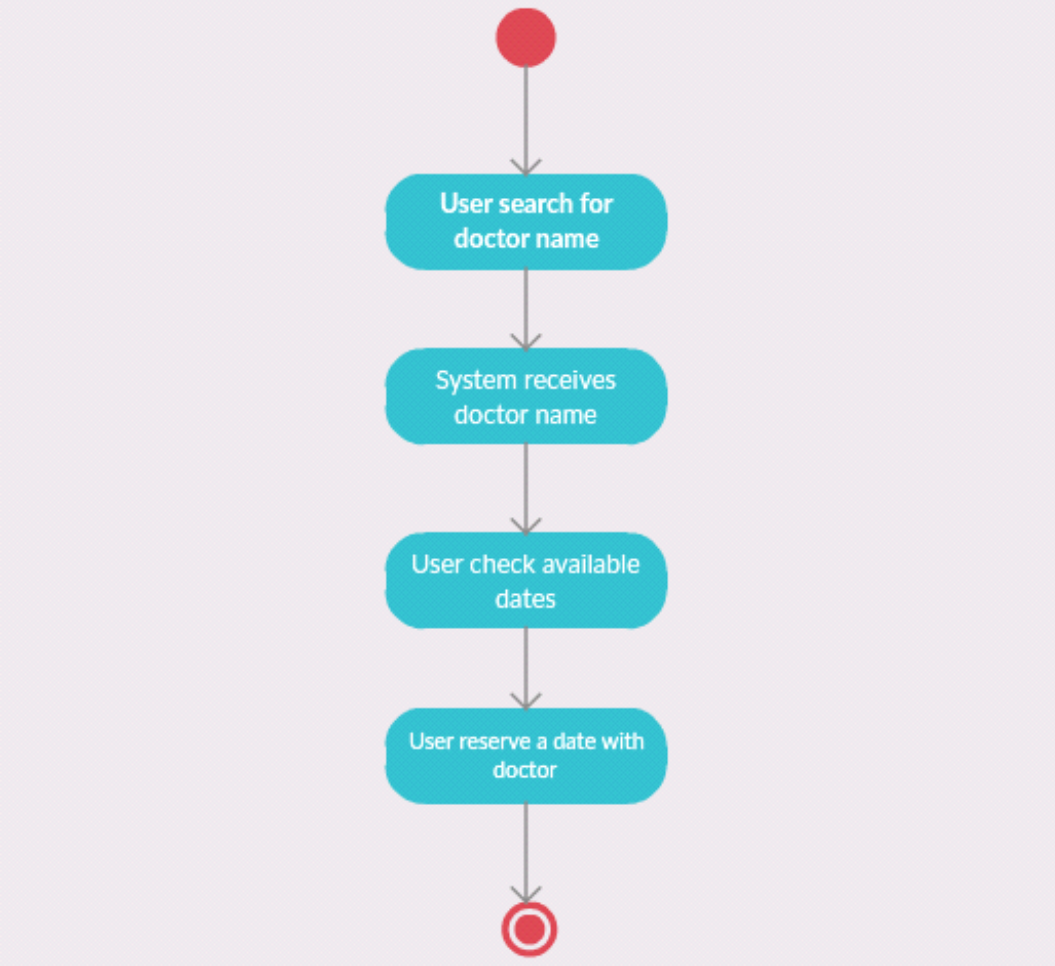
Finding a doctor

Where use can search for a doctor or a list will be displayed for all the available doctors for the user to choose from and user and reserve and date with the doctor.

Context diagram:



Activity diagram:



System Functions

[FR_Reg] Sign in / Sign up

[FR_Reg_01] User sign up

Description : create an account in order to use the website.

Input : email and password.

Output : message that use successfully registered.

Pre-conditions: The user should be connected to the Internet.

Post-conditions: User created an account on website.

[FR_Reg_02] User sign in

Description : The user can log-in to his account.

Input : email and password.

Output : Message that use is successfully logged in.

Pre-conditions: the user already made an account on website.

Post-conditions: User logged in to the system.

[FR_Find] Finding a doctor

[FR_Find_01] Search for a doctor

Description : Search for a doctor .

Input : Doctor name.

Output : Display doctor address.

Pre-conditions: Null.

Post-conditions: User got doctor address.

[FR_Find_02] Search for available doctors

Description : Search for available doctors .
Input : User click on the list.
Output : Display a list for all the available doctors.
Pre-conditions: Null.
Post-conditions: User found a doctor.

[FR_Find_03] Reserve a date
Description : Where user can reserve a date with the doctor.
Input : Date to reserve.
Output : Message that user successfully reserved with the doctor.
Pre-conditions: User logged in.
Post-conditions: User reserved a date with the doctor.

[FR_Plans] Nutrition plans and workouts

[FR_Plans_01] In-body
Description : Where user can enter his in-body and the system will analyze it.
Input : User In-body.
Output : Message with In-body analysis.
Pre-conditions: User logged in.
Post-conditions: User In-body is analyzed.

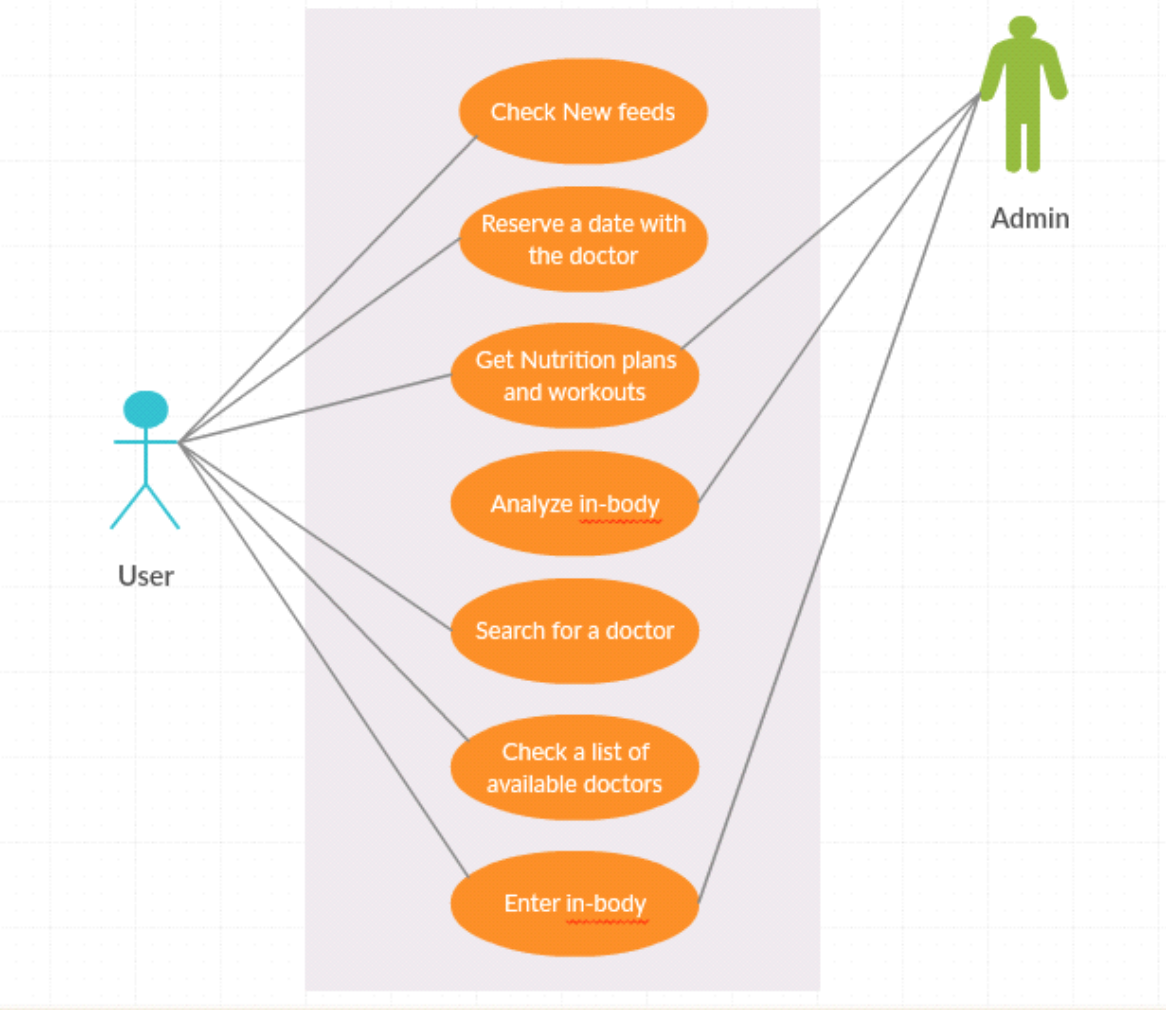
[FR_Plans_02] Plans and workouts
Description : Where user can enter his in-body and the system suggest plans and workouts for him.
Input : User In-body.

Output : Nutrition plan and workouts.
Pre-conditions: User logged in.
Post-conditions: Null.

[FR_Plans_03] New Feeds
Description : Where user can check new feeds.
Input : Null.
Output : New Feeds.
Pre-conditions: User logged in.
Post-conditions: User checked new feeds.

System Models

Case Diagram

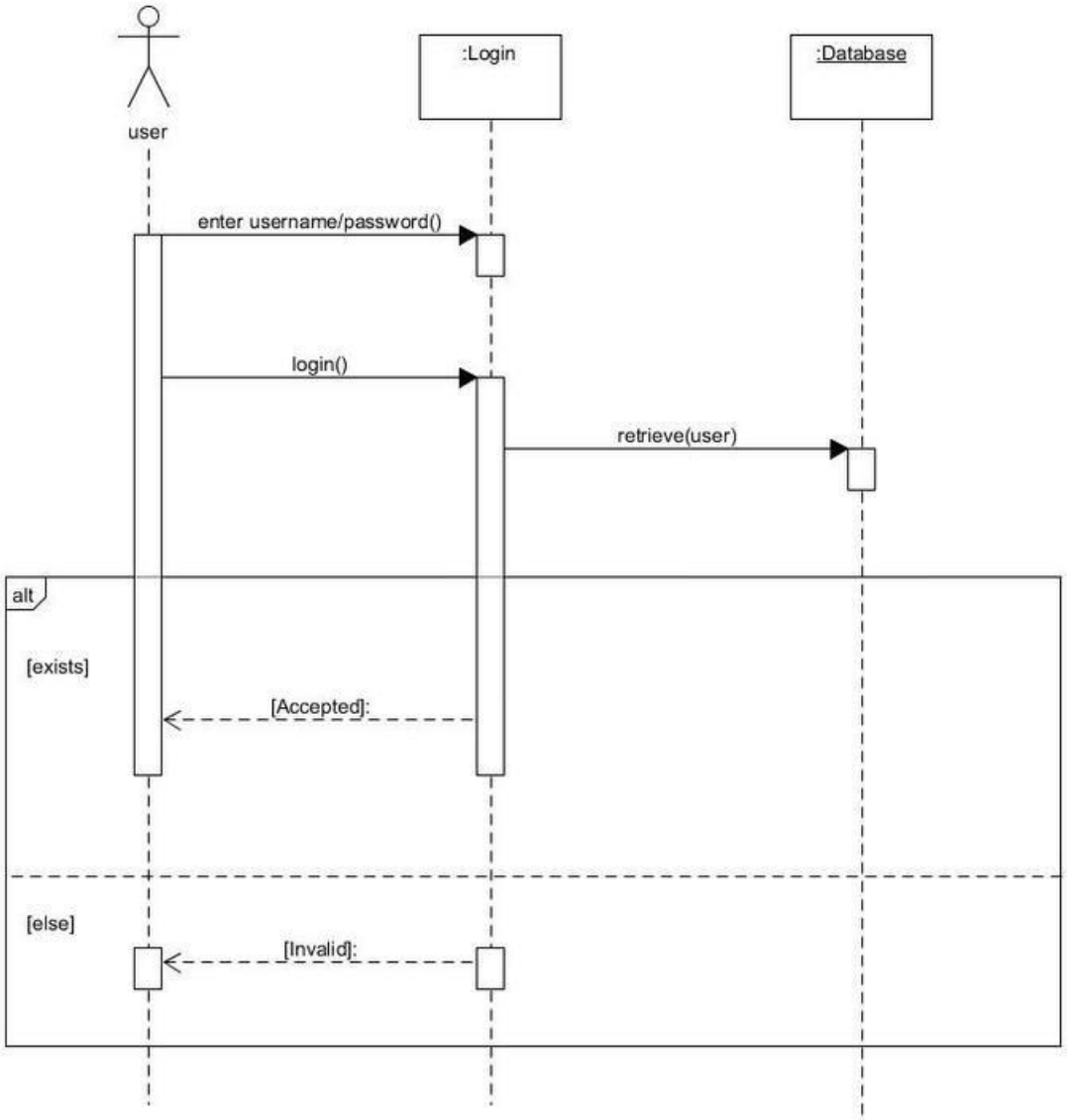


First actor is the user where he can check New feeds, Enter his In-body and get Nutrition plans and workouts and also he can search for a doctor or check a lost of available doctors and reserve with the doctor.

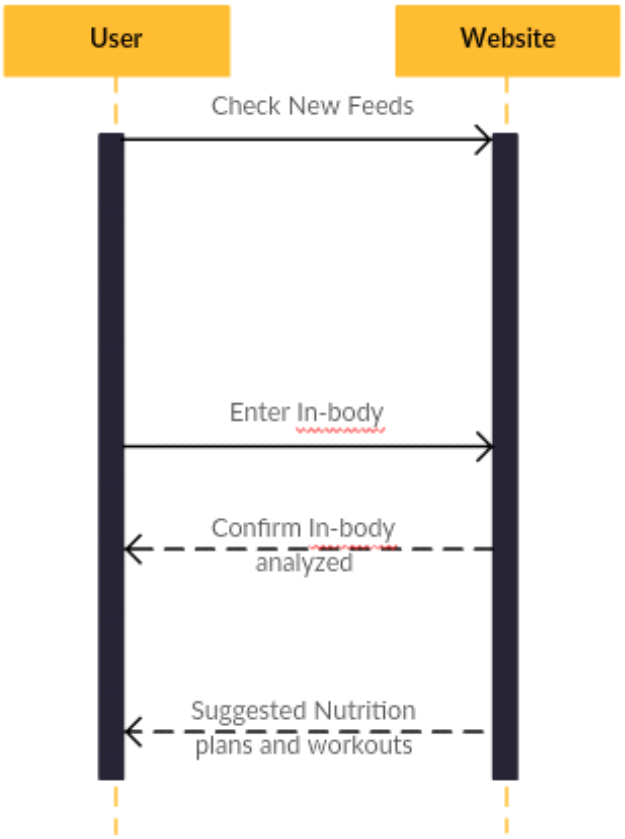
Second actor is admin where he can get use In-vody and analyze it to provide to the use suggested Nutrition plans and workouts.

Sequence Diagrams

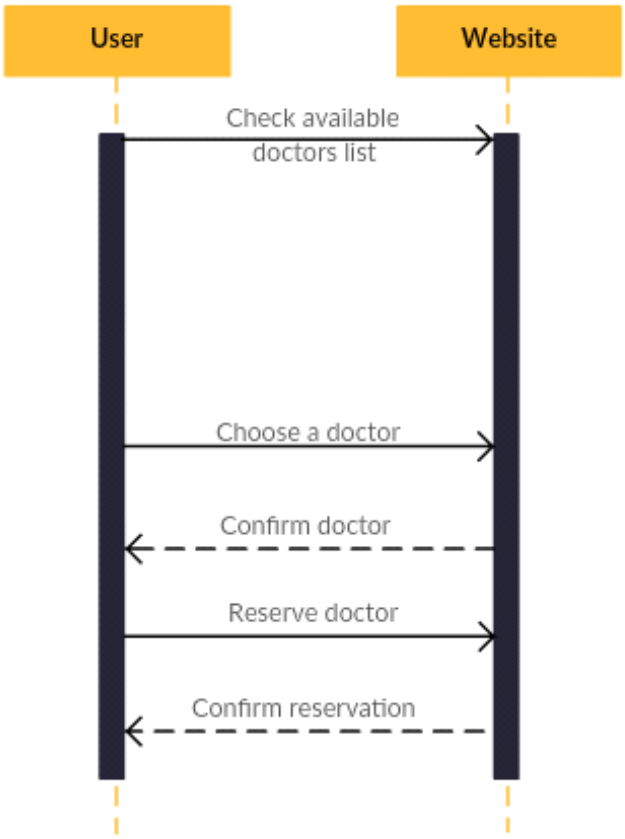
Sequence Diagram For user login:



Sequence Diagram for user entering In-body



Sequence Diagram for user searching for a doctor



Non-Functional Requirements

[NFR_1] <Security> Requirements

[NFR_1_1] <Security> Requirement

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

[NFR_1_2] <Security> Requirement

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

[NFR_2] <Usability> Requirements

[NFR_2_1] <Usability> Requirement

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.

[NFR_2_2] <Usability> Requirement

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.

[NFR_3] <Performance> Requirements

[NFR_3_1] <Performance> Requirement

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.

[NFR_3_2] <Performance> Requirement

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

[NFR_3_3] <Performance> Requirement

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.

[NFR_4] <Technology>Requirements

[NFR_4_1] <Performance> Requirement

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

Domain Requirements

[DR_1] <Domain> Requirements

[DR_1_1] Fitness trainers

So they can suggest workouts and analyze the in-body of the user.

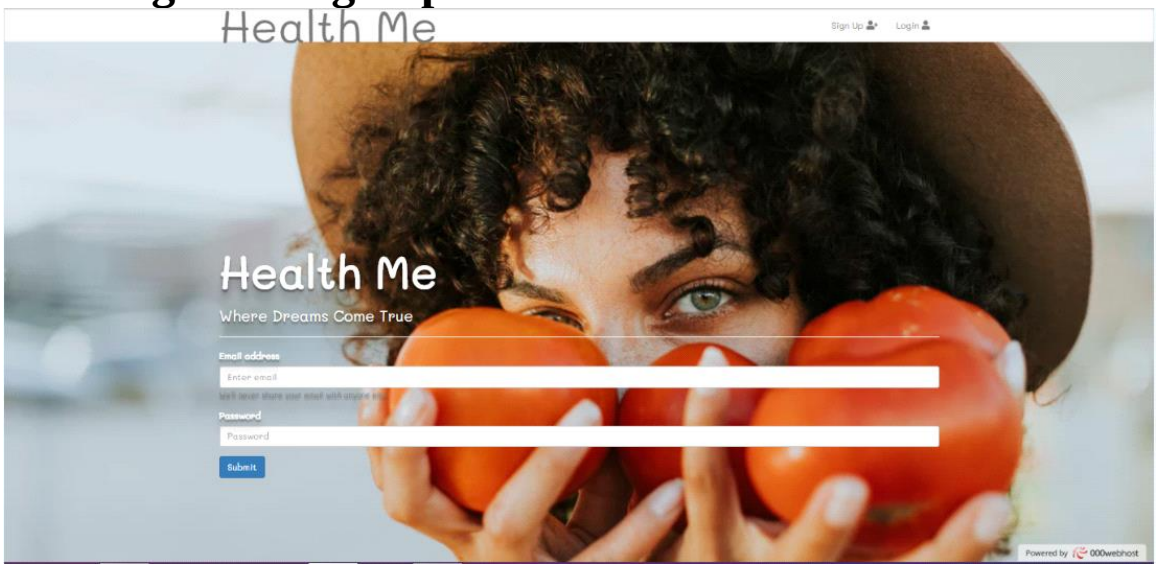
[DR_1_2] Doctors

So they can suggest Nutrition plans and analyze the in-body of the user.

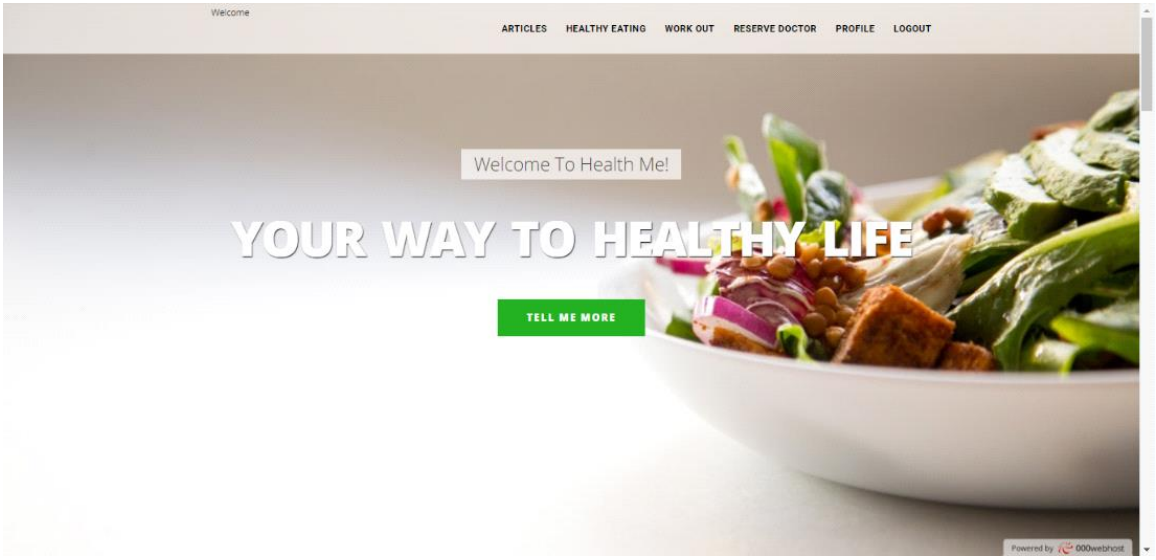
System Interfaces

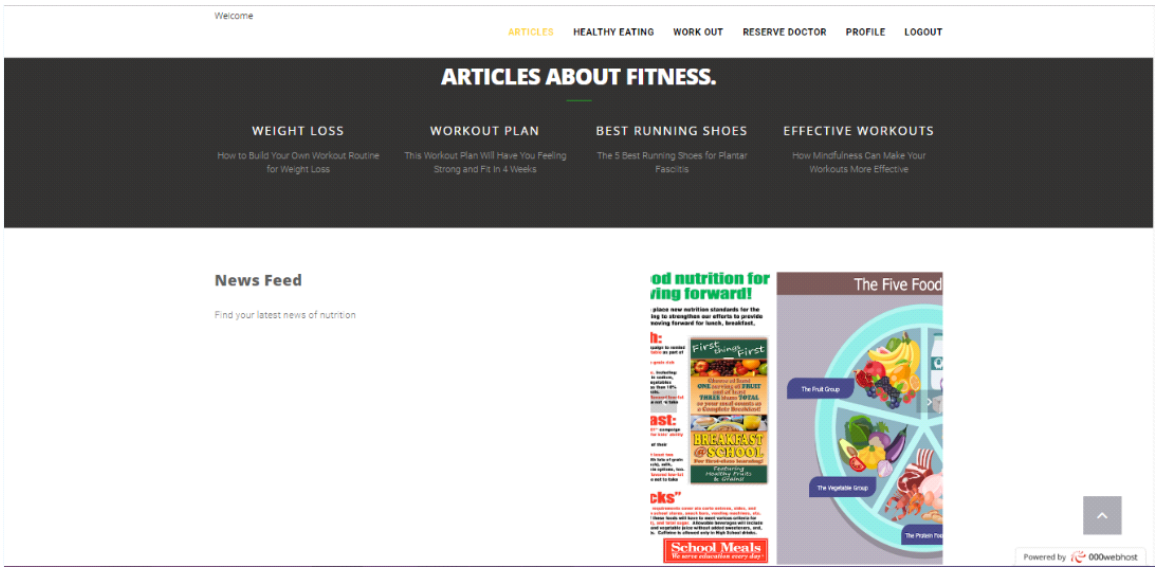
User Interfaces

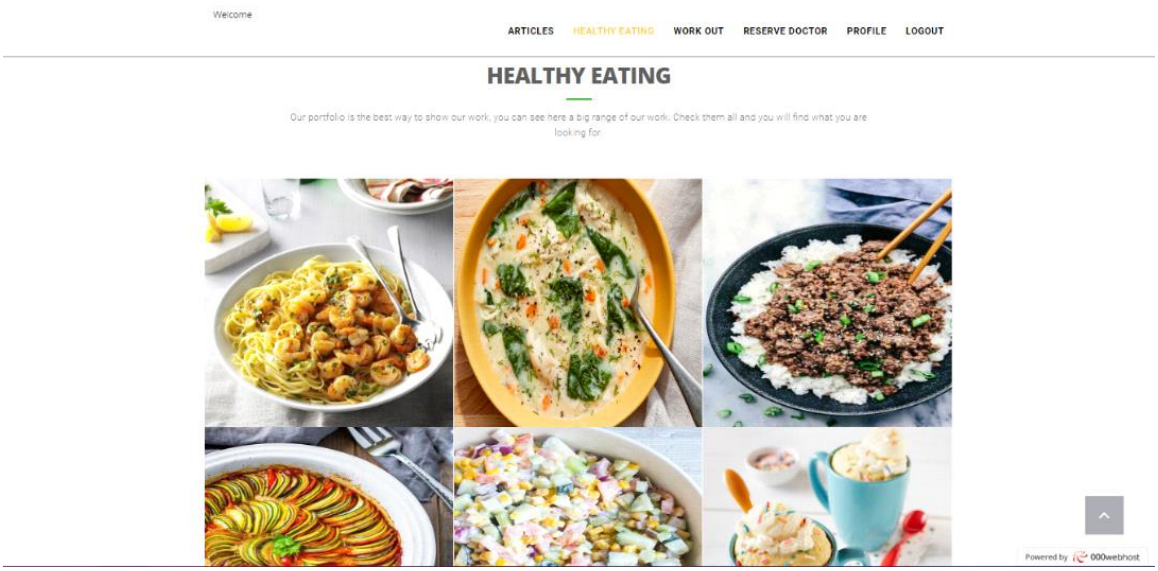
User Sign in / Sign up :

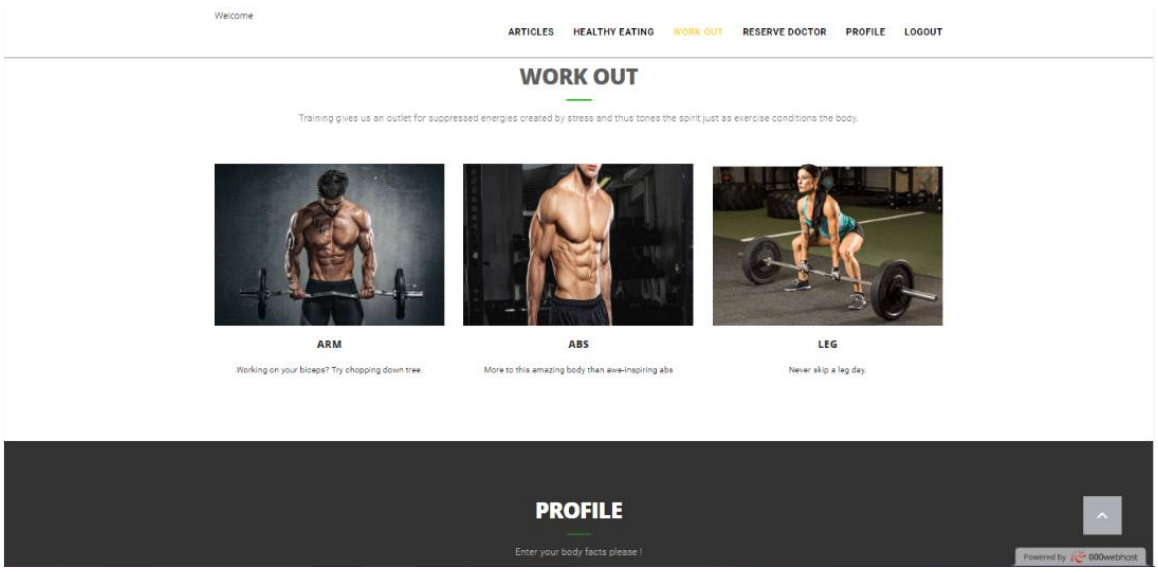


Where use can check home page,articles,healthy eating and workouts:

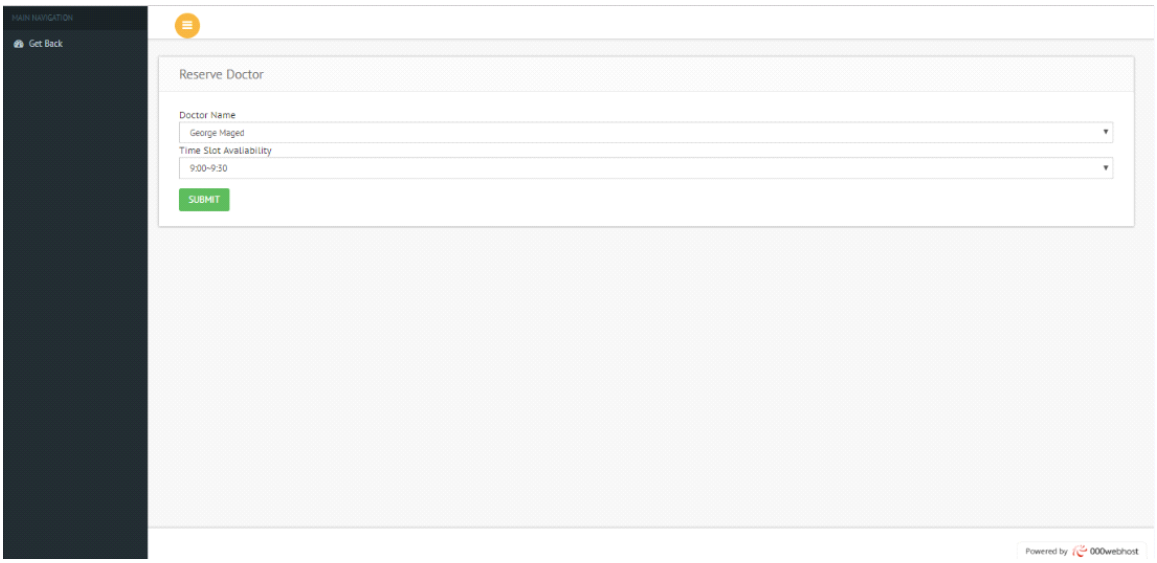




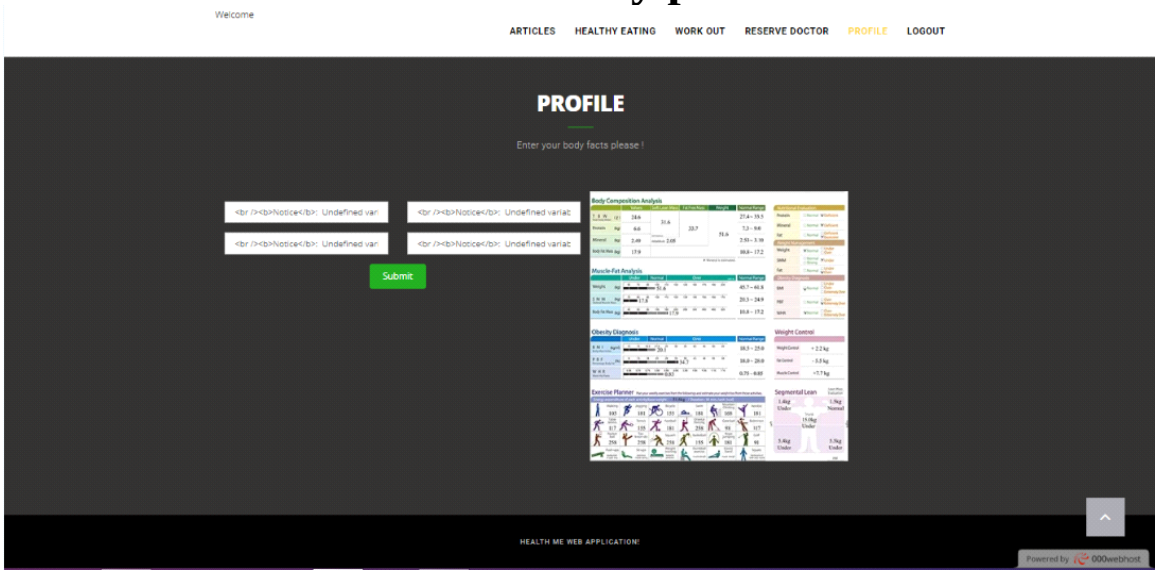




Where use can check availble doctors and reserve with them :



where use can enter his In-body profile:



Communication

The communication between the different parts of the system is important since they depend on each
other.

Software Interface

The communication between the database and the web portal consists of operation concerning both reading and modifying the data, while the communication between the database and the device consists of only reading operations.

Hardware Interface

Since neither the mobile application nor the web portal have any designated hardware, it does not have any direct hardware interfaces.