

Requirements Elicitation and Analysis

Topic: Fitness - Gym and Nutrition

Website: <http://gymandnutrition.com>

CA 2: Usability Design Project Deliverable 1

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Table of Contents

<u>1</u>	<u>EXECUTIVE SUMMARY</u>	<u>2</u>
<u>2</u>	<u>IDENTIFICATION OF STAKEHOLDERS</u>	<u>3</u>
	USERS/CLIENTS/FITNESS ENTHUSIASTS	3
	ADMIN/OWNER/ SPONSORS	3
	DEVELOPERS/SUPPORT TEAM	3
	FITNESS ATHLETES/MODELS	3
	ADVERTISERS AND AFFILIATES	3
	SPORTS COMPLEX/GYM OWNERS/MANAGERS	3
	NUTRITIONISTS	3
	BODY BUILDERS	3
	DOCTORS	4
	MARKETING TEAM	4
	PRODUCT RESELLERS/RETAILERS	4
	CONTENT WRITERS AND MODERATORS	4
<u>3</u>	<u>DATA GATHERING</u>	<u>4</u>
	TECHNIQUES	4
	INTERVIEWS	4
	SURVEY	4
<u>4</u>	<u>DATA ANALYSIS</u>	<u>4</u>
	USER GROUPS IDENTIFIED	4

PERSONAS	4
SCENARIOS	4
TASK ANALYSIS	4
5 REQUIREMENTS	5
FUNCTIONAL REQUIREMENTS	5
REQUIREMENT 1: EASY TO USE GUI/INTERFACE	5
REQUIREMENT 2: SEARCH	5
REQUIREMENT 3: USER REGISTRATION AND LOGIN	5
REQUIREMENT 4: SUPPORT FORUM	6
REQUIREMENT 5: USER PROFILES	6
REQUIREMENT 6: ECOMMERCE SUPPORT	6
REQUIREMENT 7: REVIEW SYSTEM	6
REQUIREMENT 8: CONTACT FORM	7
REQUIREMENT 9: SUBSCRIBE	7
REQUIREMENT 10: EASY NAVIGATIONAL STRUCTURE (MENUS AND SIDEBARS)	7
NON-FUNCTIONAL REQUIREMENTS	8
SCALABILITY REQUIREMENTS	8
SECURITY AND PRIVACY REQUIREMENTS	8
AVAILABILITY REQUIREMENTS	8
RELIABILITY REQUIREMENTS	8
PHYSICAL REQUIREMENTS	9
MAINTAINABILITY REQUIREMENTS	9
COMPATIBILITY REQUIREMENTS	9

1 Executive Summary

We all know the importance of being physically fit. A fit person is capable of living life to its fullest extent and enjoy the internal happiness. Eating a balanced diet full of nutrients and including physical activity like sports or gym or both helps us release stress, anxiety and sweat out the harmful substances out of our bodies, which helps us prevent diseases, improves mood and helps sleep better. Physical fitness is directly linked to our mental, cardiovascular health etc.

But the sad thing these days is most of the human population (mainly in cities) is consuming processed and fast foods which leads to excessive weight gain and various health problems.

So, we have decided to re-develop an existing website based platform which one of us (Navjot Singh) owns and to make it better, where people will be able to read information on nutrition, gym workouts, meal plans etc. Which will help millions of people around the world to accomplish their fitness goals and live more fulfilling life.

The aim of this report is to gather requirements of this system from the users and other stakeholders like owner, fitness athletes etc. and perform data analysis.

Lets, start with identifying stakeholders –

2 Identification of Stakeholders

Users/Clients/Fitness Enthusiasts

Users will use our website to see the nutritional information of foods, gym workouts, meal plans, How to? Videos and content and ask their questions on the website forum and also contribute/help other member of the site by answering their questions.

Admin/Owner/ Sponsors

Admin or owner would use the website to add new content, moderate content and add new accounts and do other administrative tasks like approving and rating the articles posted by users and content writers.

Developers/Support Team

The website will be developed by Navjot Singh. Any problems with the site will be seen by him and support team will use the website to provide useful articles/tips on site, on How to use the site and its different components and help customers facing trouble with the ecommerce section of the site.

Fitness Athletes/Models

Fitness Athletes and Models will use the site to build their portfolio page with an profile image, about me description and their photos and videos and participate in the forum and create a social following.

Advertisers and Affiliates

Advertisers and Affiliates will use the website to view which pages (articles and products) are doing well on the site and contact the support team in order to advertise their products and services on that section/pages of the site.

Sports Complex/Gym Owners/Managers

Gym Owners and Managers will use the site to create a profile for their gym on the site and build social following and attract new clients in their areas, and they can access and allow people to rate and comment about their gym and improve/make changes based on the feedback.

Nutritionists

Nutritionists will use the website to build their profile and offer service and also provide information on foods and healthy eating and provide meal plans and different recipes on the website.

Body Builders

Body Builders will use the website to access workout information and the meal plans and recipes provided by nutritionist on the website and also ask their question and seek support to their problems in the forum.

Doctors

Doctors can use the website to provide useful health related information on the website in order to contribute towards the community as many doctors in this are very generous and kind and this way a lot many people will benefit from the experience and knowledge doctors will bring to the site.

Marketing Team

The marketing team will use the site to run different marketing campaigns, share articles and try different SEO and marketing techniques to achieve the goals.

Product Resellers/Retailers

Since, the fitness industry is huge our website will be selling self branded products and our product resellers will use a section on the site where they can buy products in bulk at reseller prices and also to see trends and which products/supplements are doing well in the market.

Content Writers and Moderators

The content writers will use the website from backend in like an admin but with limited administrative options like they will use the site to login with their account, write content, upload HD images and videos and be able moderate content on the site as well necessary, whereas the moderators will use the site to take out the unnecessary and bad quality materials from the site.

3 Data Gathering

Ali is doing

Techniques

Interviews

Survey

4 Data Analysis

User Groups Identified

Ali will do

Personas

Navjot

Scenarios

Ali will do

Task Analysis

Navjot and Ali will do

5 Requirements

Functional Requirements

Requirement 1: Easy to Use GUI/Interface

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 2: Search

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 3: User Registration and Login

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 4: Support Forum

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 5: User Profiles

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 6: Ecommerce Support

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 7: Review System

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 8: Contact Form

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 9: Subscribe

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Requirement 10: Easy Navigational Structure (Menus and Sidebars)

User Story

Description and Priority

Requirement Activation

Technical Issues

Risks

Dependencies on other requirements

Non-Functional Requirements

Scalability Requirements

User Story

N/A

Description and Priority

With regards to the high number of users the website will be attracting from around the world. Since, this website is intended at global audience, the intention is for the system to be able to serve queries in thousand/hour through out the day, 7 days a week and the website should be scalable to accommodate these needs and be able to serve users from different time-zones with little to no changes to the website code. *High Priority.*

Security and Privacy Requirements

User Story

As a user I want the website to be safe and secure where my password and bank details are safely processed.

Description and Priority

The website shall achieve security through encryption and SSL certificate when connecting to server and processing payments. *High Priority.*

Availability Requirements

User Story

As a user I want to be able to access the website at any time I wish.

Description and Priority

The website shall be available at all times throughout the year with prior notification in case of maintenance. This can be achieved using clean code practices on the backend so the website code is less error prone, using a good cloud service/hosting for the site that promises 99.9% uptime and through continuous improvements to the site without users noticing them. *High Priority.*

Reliability Requirements

User Story

As a user I want the website to be reliable in terms of content, availability and performance.

Description and Priority

The website shall be reliable i.e. stable and consistent of what is expected out of it. *Very High Priority.*

Physical Requirements

User Story

As a user I want to be able to access the website from just anywhere.

Description and Priority

The website shall work on devices with different screen sizes effectively like smartphones and tablets. *Medium-High Priority.*

Maintainability Requirements

User Story

N/A

Description and Priority

The website shall be easy to maintain on daily basis, some automation can be used and it must be easy to fix bugs, add new features, increase performance. *Medium Priority.*

Compatibility Requirements

User Story

As a user I shall be able to use the website from browser of my choice.

Description and Priority

The website shall be compatible with all the popular browsers like Chrome, Firefox, Safari and Internet Explorer. *High Priority.*