Software Requirements Specification

for
Online Land Marketing Website

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Revision History

Name	Date	Reason For Changes	Version
T.S	10/11/2021	Preliminary version of online land marketing website	1.0
T.S	11/11/2021	Updated external interface requirements	1.1

1. Introduction

1.1 Purpose

The purpose of this document is to provide details of the project plan for the development of "online land marketing site."

It is intended for developers, designers, and testers working on "online land marketing site" as well as project investors. This plan will include a summary of:

- how the system will function
- the scope of the project from the development viewpoint
- the technology used to develop the project, and
- the metrics used to determine the project's progress
- Overall Description

1.2 Document Conventions

The conventions used in this document are standard and typographical conventions while writing this Srs document, if any conventions are used, they are highlighted and mentioned there itself, mostly priorities for higher-level requirements are assumed to be inherited by detailed requirements, or whether every requirement statement is to have its own priority.

1.3 Intended Audience and Reading Suggestions

This document is intended for, such as developers, project managers, marketing staff, and users. it is organized to create a web-app which is capable for tracking the price of an online product. It shows price of the similar products from all the online sites available, the sequence for reading the document is beginning with the overview sections and proceeding through the sections that are most pertinentto each reader type. i.e., starting with the product scope and followed by overall description which provides clear description of how the web-app is managed and also the interface requirements are to be read followed by system features.

1.4 Product Scope

The description of this software is to create an web-app which is able to track the price of the given product from all online sites available, The basic purpose of this web-app to display the variable product prices at one place, The customer need not to search for one product at different sites because the price tracker web-app made it available at one place , the prices are displayed in chronological order as per customer preferences ,it is much easy for buyer to buy product at good rate ,The main objectives, and goal for creation of this web-app is easy buying. For corporate goals or business strategies aseparate vision and scope document is available, pls refer to it once.

1.5 References

For similar web-app developments the SRS available are google to be referred for better conclusion. For "online land marketing site" use case documents, and a vision and scope document have been submitted. This document includes some requirements specifications for software some edits had done to previous versions and this one is the final representation.

2. Overall Description

2.1 Product Perspective

The web-app is not a version of any kind of other online web-app, or a replacement for certain existing system web-application, but a new thought of self-contained product. **Product requirements specifications** are created and maintained as joint work products of **product management** and development. **Product management** has the main overall responsibility and is accountable for it. Development is responsible for the more technical and detailed parts. Both parties, **product management** and development, must collaborate closely over the entire lifecycle of a specification.

2.2 Product Functions

The main function of this web-app development is to provide an ease to buy, the development specifications are taken care at creation and development process level ,firstly an android web-application created by uploading the data of products from different online sites their prices are characterized and displayed by choices made by the customer ,if customer wills to buy the product the link to the respective site will be provided there so by clicking on the link respective site is displayed where product is present from there as usual payments and buying web-happens.

2.3 User Classes and Characteristics

To use this web-app no much knowledge about technology is required so it have friendly use age for everyone. Basing on the frequency of use the web-app can even provide coupons for claiming discounts for the products which are viewed frequently. This web-app is more beneficial to people who tend to buy more online products but for offline buyers this web-app is not that attractive but also before buying a product the price is easily tallied here and this web-app is much user friendly as there is no educational or technical knowledge required for usage of the web-app, moreover it is safe and secure as it doesn't collect any banking details or personal details for installing.

2.4 Operating Environment

An operating environment or integrated web-applications environment is the environment in which users run web-application software. The environment consists of a user interface provided by a web-applications manager and usually a web-application programming interface (API) to the web-applications manager.

2.5 Design and Implementation Constraints

For implanting this the main constraint is to get data about each and every product available at online sites, the online sites can even refuse to collect data but if collected and arranged then it can be ease for buying the same product from the same site as there is no restrictions kept on the cost of the product from particular site.

2.6 User Documentation

user documentation components such as user manuals, on-line help, and tutorials are available in search engines that will help in creation and development of web-app along with the software. All known user documentation delivery formats or standards

2.7 Assumptions and Dependencies

Users should have internet connection while browsing this web-app the web-app should also support all web-applications for installing and also there should be frequent updates required to edit the data related to prices and permission from online stores about their sales and customers should trust this web-app as no fake sites can be accessed.

3. External Interface Requirements

3.1 User Interfaces

user interface is everything that the user can see and interact with. Android provides a variety of pre-built **UI** components such as structured layout objects and **UI** controls that allow you to build the graphical user interface for your web-app. Android also provides other **UI** modules for special interfaces such as dialogs, notifications

3.2 Hardware Interfaces

To control a software program, user typically need to use a keyboard and mouse, which each have their own user interface.

3.3 Software Interfaces

The SRS is necessary for all structural units of the development team: Project Management,

Software Development, quality assurance, Client, and Business Development.

Thus, specification perceives 5 main goals:

- Facilitate review of the project and describe the scope to the team.
- Give starting references to UI/UX designers, software architects, and team leads.
- Provide clear modules of software testing use cases based on the set number of goals.
- Provide an additional reference layer for code review and code refactoring.
- Create a wireframe for further work, so the client could easily integrate additional features later on.

3.4 Communications Interfaces

4. System Features

4.1 System Feature 1
➔ Functional requirements.
Other system features include:
➔ Distributed databases
Distributed database implies that a single web-application should be able to operate transparently on data that is spread across a variety of different databases.
Client and server system
The term client/server refers primarily to an architecture or logical division of responsibilities, the client is the web-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 web-applications execute at the client sites.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

The only way in which systems will meet their performance targets is for them to be specified clearly and unambiguously. It is a simple fact that if performance is not a stated criterion of the system requirements, then the system designers will generally not consider performance issues. While loose or incorrectly defined performance specifications can lead to disputes between clients and suppliers. In many cases performance requirements are never ridged as system that does not fully meet its defined performance requirements may still be released as other consideration such as time to market.

In order to assess the performance of a system the following must be clearly specified:
• Response Time
• Workload
• Scalability
• Platform

5.2 Safety Requirements

A safety requirement may be met by a combination of safety functions, and these may be implemented in systems of different technologies – for example, a **software-based system** along with management procedures, checklists, and validation procedures for using it.

5.3 Security Requirements

A security requirement is a statement of needed security functionality that ensures one of many different security properties of software is being satisfied

5.4 Software Quality Attributes

Software Quality Attributes are **validated for every software web-application system,** so as **to keep the software in a deliverable quality.** These attributes are seen as the scale or degree to measure the excellence of the software, as it can give the client or the end user a clear view on what is exceptional and what is failing in the web-application.

These quality attributes decide whether the software is of good quality or not. These quality attributes are also sometimes called "ileitis" after the suffix most of the words related to system capability share such as availability, reliability, scalability, testability, etc.,

5.5 Business Rules

operating principles about the product basing on the administration are listed above, such as which individuals or roles can perform which functions under specific circumstances. These are not functional requirements in themselves, but they may imply certain functional requirements to enforce the rules.

6. Other Requirements

Web-appendix A: Glossary

All the terms necessary to properly interpret the SRS, including acronyms and abbreviations, as there are no abbreviations used it will be updated in this section if found

Web-appendix B: Analysis Models

No pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams are included here.