Software Requirements Specification
for
Logo Designing Website

Prepared by
Anika Tabassum (17511054)
Humayra Anjumee Jeba (17511059)
Tasnim Kabir Mahi (17511097)

Bangladesh University of Professionals (BUP)
ICT Project Management Lab(ICE-4202)

12. December 2020

Contents

Chapter 1

Introduction

1.1   Purpose

Purpose of Software Requirements Specification (SRS) is to describe the specification and description of our project "Logo Designing Website".This Software Requirements Specification illustrates, in clear terms, the system's primary uses and required functionality so that the next developers can easily understand what we did and how to change anything if it is required.

The document gives the detailed description of both functional and non-functional requirements proposed by the client. The main purpose of this project is to provide access to the designed logos from where clients can choose according to their desire. The goal of this project is to satisfy the needs of logo for any company or any individual client. Even designers have the opportunities to show their skills and sell their designed logo.

1.2   Intended Audience

- Developers
- Project Testers
- Users

1.3   Intended Use

This Software Requirements document is intended for:

- Developers who can review project's capabilities and more easily understand where their efforts should be targeted to improve or add more features to it. Also they can design and code the application it sets the guidelines for future development.

- Project testers can use this document as a base for their testing strategy as some bugs are easier to find using a requirements document. This way testing becomes more methodically organized.

- Users of this application who wish to read about what this project can do. Also who would be the member, they can access their own profile and update their work by the permission of developers.

1.4 Product Scope

The proposed web application is a platform where there will be a portfolio of the designs made by the registered members and the clients can scroll through it to choose their desired logo.

- Users can change the language [Bangla/English] so that they can easily understand.

- After seeing and knowing about us from our demo page, clients and designers can register in our website and then get membership.

- Clients and designers can secure their account by log in, secret questions and privacy over their personal information.

- Clients and designers can communicate with the admin through message, email, contact number.

- Designers can update/change their information [name, contact number etc.], profile background color.

- Many new companies can make new logo for themselves within a short time and spending a little amount of money.

- Designers can share their ideas by uploading them to their profile.

- Clients can also place order of their own logo according to their design choice.

- The main focus of this web application is freelancing. With the help of this application, many designers can show their talent and it will be a great income source for them.

- Designers can upload innovative ideas in this web application and the clients can have a wide variety of choices to select from mentioned ideas.

1.5 Risk Definition

It should maintain database of the logo sold with the date of selling. If any particular logo is out of stock, the customer should be able to place their order mentioning the requirements. OS must handle expected or unexpected errors in ways that prevent loss in information and long down time periods. System will ensure no data is lost in case user change devices or if the user's device is extensively damaged.

Chapter 2

Overall Description

This section deals with a broad overview of the product explaining the functionalities and goals that the software aims to achieve. It also provides details on the dependencies, constraints, operating environment of the product along with user classes and characteristics, user needs and user manuals.

2.1 User Classes and Characteristics

There are basically three types of classes. Initially users posts their products and information for others to see. Secondly there are clients who will buy the users product. The admin maintains the transaction between both of them. Admin controls if a certain post be allowed or not, also approves the clients request to purchase a certain product. In this system, we are using three main classes:

- **Admin:** Maintains the incoming posts from the users and approves the requests send by the clients.

- **Designer:** Creates profile and posts for sell products.

- **Client:** Accesses the application to view posts and requests to purchase.

Additional Features:

- Login

- Logout

- Payment

The users of this application need to login to the system before using it. All features are not available to all the users. The access is dependent on the role of the user.

2.2 User Needs

Meeting user needs is the ultimate goal of any project.

1. **Admin:**

   - Receive queries from clients and designers
   - Maintain incoming post of designs from designers
   - Approves the request send by the clients

- Monitor purchases

2. **Unregistered Client:**

   - Can checkout the demo page of the website
   - Sign up
   - Contacts (contact admin for any queries by sending message from the website)

3. **Registered Client:**

   - Login
   - Category (categorize the type of logo)
   - Contacts (contact admin for any queries by sending message from the website)
   - Payment
   - Can search logo according to their desire by entering keyword in the search box for example: for what organization they are in need of a logo.
   - Can save logo designs in their profile by creating board according to their choice.
   - Can contact designers for customized logo design.

4. **Designers**:

   - Sign up
   - Login
   - Upload logo design
   - Update and access profile
   - Receive clients requirements
   - Update design according to requirements
   - Update their work by the permission of admins.

2.3   Operating Environment

- **Operating System-** Any kind of OS which supports browsing. Any system that supports a modern web browser. For example we can use the Mac OS Sierra (version 10.12.6) or windows 10 for its best support and user–friendliness.

- **Database-** To save the records, payments and members portfolio we have chosen SQL and database.

- **Platform-** Python, Django framework

- **Software-** Pycharm/ VScode/ Atom

2.4   Constraints

- The developed system must work in both window, macOS and Linux.

- The implementation language must be in Python.

- If the user reports any problem regarding any issue in the system, it must be solved within 2 weeks.

- User's current training/education level must be given.

2.5   Assumptions

- The users can understand English/Bengali language.

- The users have moderate laptop or desktop and updated software.

- PC with sufficient RAM and ROM will be providing the best performance as data collections and moderations depends on the RAM and ROM amount and data transmission speed.

- Proper browser should be used for the web app and a stable internet connection is required.

- Users have some basic ideas of operating this kind of software.

Chapter 3

Requirements

3.1 Functional Requirements[User Story]

3.1.1 Admin Perspective

1. **As an admin**
   I want to monitor user request.
   So that, i can approve user request and verified user profile.

   - **Confirmation:**
     - Receives queries from clients and designers.
     - Verify user ID by verification code through their email.
     - Approves the request send by the clients and designers.

   - **Success**
     - Updated successfully
     - Add a registered member successfully.

   - **Failure**
     - Any field left blank,show error : All the fields must be filled up.
     - Internet connection lost,show error: Please check your internet connection.

2. **As an admin**
   I want to monitor user dashboard.
   So that, i can update some record if necessary.

   - **Confirmation:**
     - Change order status.
     - View order details.
     - Check for any complaints.
     - Check user profile.

   - **Success**
     - Updated successfully

   - **Failure**
     - Any field left blank,show error : All the fields must be filled up.
     - Internet connection lost,show error: Please check your internet connection.

3. **As an admin**
   I want to approve designers post.
   So that, i can update some record if necessary.

   - **Confirmation:**
     – Create a new product.
     – Edit existing product.
     – Remove existing product.
     – Categorized design in the home page.

   - **Success**
     – Updated successfully

   - **Failure**
     – Any field left blank,show error : All the fields must be filled up.
     – Internet connection lost,show error: Please check your internet connection.

4. **As an admin**
   I want to monitor purchases.
   So that, i can control transaction centrally.

   - **Confirmation:**
     – Transaction can be monitored centrally and will show if the payment for logo purchase has been paid or not.

   - **Success**
     – System acknowledges necessary purchase documents.

   - **Failure**
     – Any field left blank,show error : All the fields must be filled up.
     – Internet connection lost,show error: Please check your internet connection.

3.1.2   User Perspective

1. **As an** unregistered user
   I want to register my account.
   So that, i can get benefited by this website.

   - **Confirmation:**
     – Open the website.
     – Click on sign up.
     – Enter all information.
     – Click on sign up.

   - **Success**
     – "Remember me" ticked – store cookie/automatic login next time.
     – "Remember me" not ticked – force login next time.

   - **Failure**
     – Email not match with regex, show error: Please provide a valid email.
     – Password is less than 6 digits, show error: Password must include at least 6 digits time..
     – Any field left blank, show error: All the fields must be filled up.
     – User type not selected, default type will be client.

2. **As a** registered user (client)
   I want to search for logo and set privacy on my personal information
   So that, i can update my profile and purchase logo.

   - **Confirmation:**
     - Open profile tab.
     - Check details.
     - Update details.
     - Click on save.
     - Exit profile tab.
     - Go to home page.
     - Choose category for searching logo.
     - Select logo.
     - Place order.
     - Pay invoice.

   - **Success**
     - Updated profile successfully.
     - Get desired logo.
     - Payment successful.

   - **Failure**
     - Old password may not match with the given password [now], show error: Please provide your old password correctly.
     - New password is less than 6 digits, show error: Password must include at least 6 digits time.
     - Any field left blank, show error: All the fields must be filled up.

3. **As a** registered user (designers)
   I want to upload logo and set privacy on my personal information.
   So that, i can update my profile and post new design.

   - **Confirmation:**
     - Open profile tab.
     - Check details.
     - Update details.
     - Click on save.
     - Show some requirements of customized design from clients.
     - Click on upload new design.
     - Received client messages for purchase.
     - Request for payment.

   - **Success**
     - Updated profile successfully.
     - Upload new design in profile
     - Detailed information of that logo will be shown.
     - Money transaction has been successful-pop up will show.

   - **Failure**
     - Old password may not match with the given password [now], show error: Please provide your old password correctly.
     - New password is less than 6 digits, show error: Password must include at least 6 digits time.
     - Any field left blank, show error: All the fields must be filled up

3.2 Non Functional Requirements

Performance Requirements

- The performance of the system should be fast and accurate.

- It will handle expected and unexpected errors in such ways that prevent loss in information and long downtime period. Thus it should have in built error testing to identify invalid username/password.

- The system should be able to handle large amount of data. Thus it should accommodate high number of client and member data.

Safety Requirements

- The database used in this system may get crashed at any certain time due to virus or operating system failure. Therefore, it is requires to take the database backup so that the data is not lost.

- The API to be used in this system does not save important information like credit card numbers, passwords etc.

Security Requirements

- System will use secured database.

- Normal users can just read information but they cannot edit or modify anything except their personal information.

- System will have different types of users and every user has access constraints.

- Proper user authentication should be provided.

- There should be separate account for admin and members such that no member can access the database and only admin has the right to update the database.

Software Quality Attributes

- There may be multiple admins creating the project, all of them will have the right to create changes to the system. But the members cannot do any modification.

- The project should be open source.

- The quality of the database is maintained in such a way that it can be very user friendly to all the users of the database.

- Any malfunction or error which may cause entire site failure must be removed.

- The site must be simple and appealing to the viewers without including any heavy graphics content which may cause longer loading time.

Appendices

Appendix A

Glossary

- **SRS:** A software requirements specification (SRS) is a description of a software system to be developed. The software requirements specification lays out functional and non-functional requirements, and it may include a set of use cases that describe user interactions that the software must provide to the user for perfect interaction.

- **API:** Application Protocol Interface. This is the part of a program that lets other programs or services interact with the data in the former and vice-versa.

- **Framework:** It is like the base of a program that provides generic functionality but can be custom built for specific purposes.

- **Back-end:** The part of an app service that works behind the scenes away from the user's device, usually in the cloud (server computer owned by the company)