

# Software Requirements Specifications

Lim's Flat Icons  
(Portfolio Website)

Version 1.0

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## Revision History

Primary Author(s)	Date	Reason for Changes	Version
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## 1. Introduction

This section gives an overview of details included in this SRS document. Also, this includes the purpose of this document, scope description, and a list of definitions and acronyms.

### 1.1 Purpose and Intended Audience

The purpose of this document is to give a detailed description of the requirements for the “Lim’s Flat Icons” website. Specifically, the products overall description, system features (functional requirements), and non-functional requirements is discussed. Most importantly, this document is to be proposed to the customer for approval and will serve as reference for the development team.

### 1.2 Project Scope

The “Lim’s Flat Icons” website is a personal portfolio website aimed to present a showcase of the owner’s flat icon design projects. This includes organizing the owner’s projects and providing the owner’s professional information. This website has open access (i.e., will not require authentication processes for visitors) and accessible using any browser application. However, modifying the website in any way is limited to the development team only. Moreover, the design projects presented on the website will be available for viewing only.

### 1.3 Terms, Definitions, and Acronyms

Term	Definition
advanced beginner	Has basic knowledge of key aspects of the practice
authentication process	Logging in or registering
database	Organized collection of information entered from the website
Dep	Dependencies
dependencies	Factors in which the development of the website or its component is dependent
Desc	Description
expert	Authoritative knowledge of discipline and deep tacit understanding across area of practice
FR	Functional Requirement

GUI	Graphical User Interface
interface	Program enabling the user to interact with the computer
Internet Protocol	IP; The method by which data is sent from one computer to another on the Internet
owner	The portfolio owner (also the website owner)
project	Individual work composing the portfolio
Rat	Rational; the reason behind the functional requirement
specifications	A device's hardware and software characteristics that defines its performance
URL	Uniform Resource Locator
visitor	A non-owner user that can access the website

## 2. Overall Description

### 2.1 Product Perspective

The website's objective is to present a showcase of the owner's design projects and professional information. This is primarily composed of a portfolio section showing the individual projects as well as an about and contact section. It is expected that most of the visitors that will interact with this website will be people interested on the owner's projects. Nevertheless, the website can still be viewed by anyone using any browser application and without authentication processes.

### 2.2 Product Features

The website's primary features are the following: 1) project organization and categorization, 2) information presentation, and 3) visitor message reception

### 2.3 User Classes and Characteristics

There are two types of users that interact with the website: the visitors and owner. These two types of users have almost the same access privileges with only few differences so both have almost the same requirements.

The website visitors can access the website without an authentication process. This access is limited to viewing the website's contents and sending a message to the website's owner. The website owner has the same level of access but with the additional privilege to receive and view visitor messages. However, the owner must undergo a verification to access the database. Modifying the website in any way is restricted to both type of users. Moreover, both type of users is expected to have advanced beginner to expert level of skill in technology.

## 2.4 Operating Environment

The website can be accessed through the website's URL using any browser application without an authentication process. Access require internet connection.

## 2.5 Design and Implementation Constraints

The internet connection is the only constraint in the website's operation. It is important that the website is accessed using an internet connection since it fetches data from the database over the Internet.

## 2.6 Assumptions and Dependencies

An assumption about the website is that it will always be accessed using a device that have the required capacity in terms of performance. If this assumption is not met, the quality of user interface and experience on the website may be not like what it is intended to be.

# 3. System Features

This section describes the functional requirements from the client's perspective and need.

## 3.1 User Class 1 – The Owner / User Class 2 – The Visitor

### 3.1.1 Functional requirement 1.1

#### **ID: FR1**

Title: Access website using URL

Desc: The user shall be able to access the website using its URL on any device that have the specifications required to run a browser application and connect to the Internet.

Rat: In order for the user to access the website.

Dep: None

### 3.1.2 Functional Requirement 1.2

**ID: FR2**

Title: Navigate the website

Desc: The user shall be able to navigate the website using the navigation bar.

Rat: In order for the user to switch from one section to another.

Dep: FR1

### 3.1.3 Functional requirement 1.3

**ID: FR3**

Title: View sample projects

Desc: The user shall be able to view sample of the website's featured projects as soon as they open the website using the "View samples first" button.

Rat: In order for the user to immediately see sample projects.

Dep: FR1

### 3.1.4 Functional requirement 1.4

**ID: FR4**

Title: View all projects

Desc: The user shall be able to view all the website's featured projects as soon as they open the website using the "Check my portfolio" button.

Rat: In order for the user to immediately see all projects.

Dep: FR1

### 3.1.5 Functional requirement 1.5

**ID: FR5**

Title: View all projects using navigation bar

Desc: The user shall be able to view all the website's featured projects using the navigation bar.

Rat: In order for the user to see all projects.

Dep: FR1, FR2

### 3.1.6 Functional requirement 1.6

**ID: FR6**

Title: Filter projects

Desc: The user shall be able to filter the projects based on a given set of categories.

Rat: In order for the user to categorize the projects.

Dep: FR1, FR2, FR5

### 3.1.7 Functional requirement 1.7

**ID: FR7**

Title: Go to About section by scrolling

Desc: The user shall be able to go to the About section from the Homepage by scrolling down.

Rat: In order for the user to read the About section.

Dep: FR1

### 3.1.8 Functional requirement 1.8

**ID: FR8**

Title: Go to About section using the navigation bar

Desc: The user shall be able to go to the About section using the navigation bar

Rat: In order for the user to read the About section.

Dep: FR1, FR2

### 3.1.9 Functional requirement 1.9

**ID: FR9**

Title: Go to Contacts section from About Section

Desc: The user shall be able to go to the Contacts section from the About section using the "Contact me" button.

Rat: In order for the user to access ways to contact the owner.

Dep: [FR1] / [FR1, FR2, FR8]

#### 3.1.10 Functional requirement 1.10

**ID: FR10**

Title: Go to Samples section by scrolling

Desc: The user shall be able to go to the Samples section by scrolling down.

Rat: In order for the user to see sample projects.

Dep: FR1, FR7

#### 3.1.11 Functional requirement 1.11

**ID: FR11**

Title: Go to Samples section using the navigation bar

Desc: The user shall be able to go to the Samples section using the navigation bar

Rat: In order for the user to see sample projects.

Dep: FR1, FR2

#### 3.1.12 Functional requirement 1.12

**ID: FR12**

Title: Go to Contacts section by scrolling

Desc: The user shall be able to go to the Contacts section by scrolling down.

Rat: In order for the user to access ways to contact the owner.

Dep: FR1, FR7, FR10

#### 3.1.13 Functional requirement 1.13

**ID: FR13**

Title: Go to Contacts section using the navigation bar

Desc: The user shall be able to go to the Contacts section using the navigation bar.

Rat: In order for the user to access ways to contact the owner.

Dep: FR1, FR2



#### 3.1.14 Functional requirement 1.14

**ID: FR14**

Title: Send a message to owner

Desc: The user shall be able to send a message to the owner by accomplishing the contact form.

Rat: In order for the user to send a message to the owner.

Dep: [FR1, FR7, FR10, FR12] / [FR1, FR2, FR13]

#### 3.1.15 Functional requirement 1.15

**ID: FR15**

Title: The user shall be able to visit the owner's social media accounts using the social media icons in the footer section.

Rat: In order for the user to see the owner's social media accounts.

Dep: FR1, FR7, FR10, FR12

#### 3.1.16 Functional requirement 1.16

**ID: FR16**

Title: Homepage shortcut

Desc: The user shall be able to go back to the homepage using an arrow up button.

Rat: In order for the user to go back to homepage easily after scrolling down.

Dep: FR1, FR7

### 3.2 User Class 1 – The Owner

#### 3.2.1 Functional Requirement 2.1

**ID: FR17**

Title: Login

Desc: The user shall be able to login and be identified as the website's owner.

Rat: In order for the user to access the database.

Dep: FR1

### 3.2.2 Functional Requirement 2.2

#### **ID: FR18**

Title: Access database

Desc: The user shall be able to view all information stored in the website's database.

Rat: In order for the user to acquire visitor-entered information.

Dep: FR1, FR2

## **4. Non-Functional Requirements**

### **4.1 Performance**

The website's load time and quality on the user's end shall be entirely dependent on the strength of the internet connection and the specifications of the device being used. Some fonts, animation, and images may not be applied immediately using a device with poor specifications.

### **4.2 Usability**

The website's interface shall be intuitive and easy to use. The website shall use conventional layout and common web elements to keep it accessible for all users within the range of technological skill specified (see 2.3 User Class and Characteristics).

### **4.3 Security**

The website shall not require any sensitive information from the users. This non-functional requirement is supported by the absence of an authentication process as the user's data is of no use in the functioning of the website. In the case of the contact form, the amount of data asked from the users shall be minimized. Nevertheless, any information given shall be taken with utmost confidentiality.

## **5. External Interface Requirements**

### **5.1 User Interfaces**

#### **5.1.1 Logical Characteristics**

The website's GUI shall be designed in HTML/PHP to allow different users access. This will remove most limits of access since most operating systems used support HTML viewing.

#### **5.1.2 Aspects**

The website shall have content that is viewable to all type of users. However, the website owner shall have an additional privilege of accessing the website's database.

## 5.2 Hardware Interfaces

The website shall require an internet connection to allow the browser application to fetch data from the database over the internet.

## 5.3 Software Interfaces

### 5.3.1 Software Interface 1

Name: Mozilla Firefox

Mnemonic: Firefox

Version number: 95.0.2

Source: mozilla.org

Purpose: To allow remote access of the website.

### 5.3.2 Software Interface 2

Name: Microsoft Internet Explorer

Mnemonic: IE

Version number: IE11

Source: microsoft.com

Purpose: To allow remote access of the website.

### 5.3.3 Software Interface 3

Name: Apple Safari

Mnemonic: Safari

Version number: 14.1

Source: apple.com

Purpose: To allow remote access of the website.

#### 5.3.4 Software Interface 4

Name: Opera

Mnemonic: Opera

Version number: 82.0.4227.43

Source: opera.com

Purpose: To allow remote access of the website.

#### 5.3.5 Software Interface 5

Name: Google Chrome

Mnemonic: Chrome

Version number: 97.0.4692.71

Source: google.com

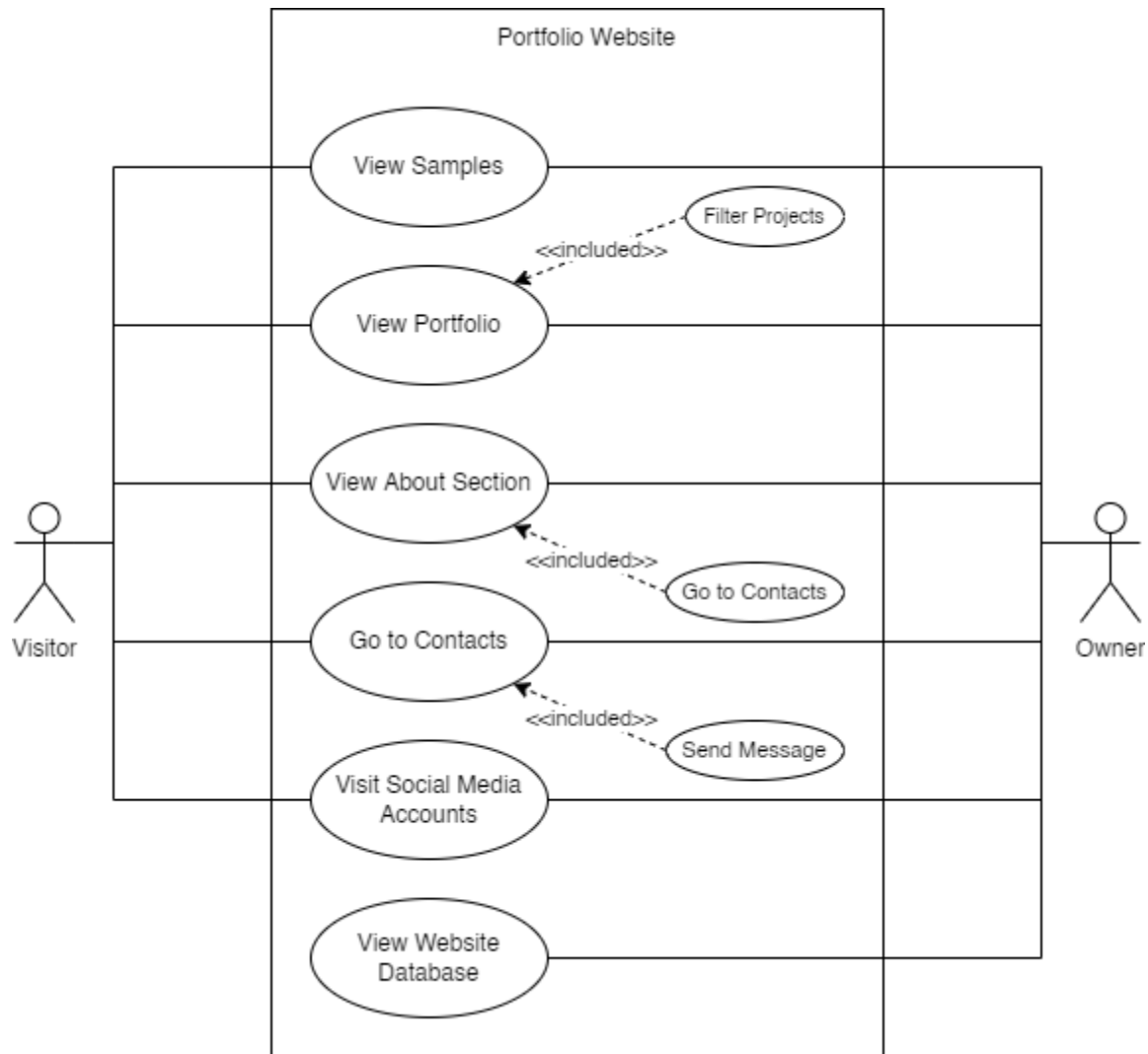
Purpose: To allow remote access of the website.

### 5.4 Communication Interfaces

The website's interfaces shall use Internet Protocol to connect to the internet.

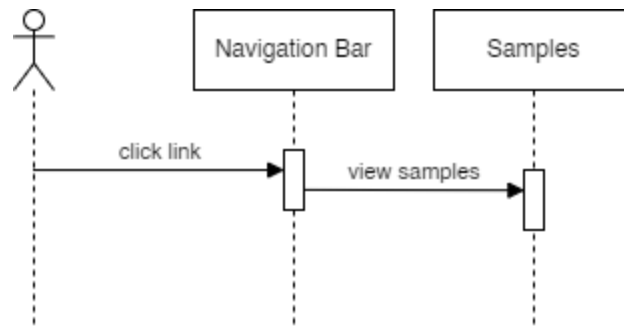
## 6. Detailed Use Cases

### 6.1 Use Case Diagram

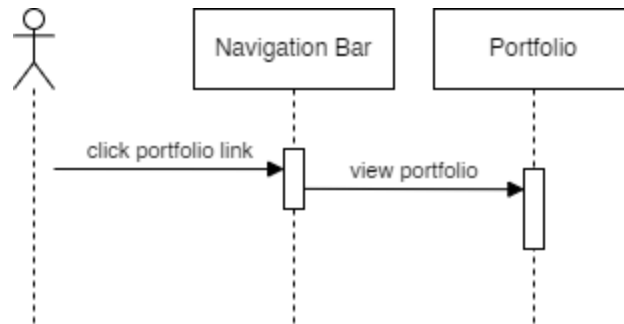


## 6.2 Sequence Diagrams

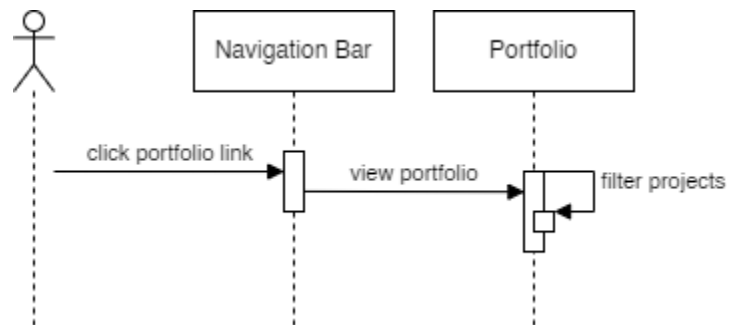
### 6.2.1 View Samples



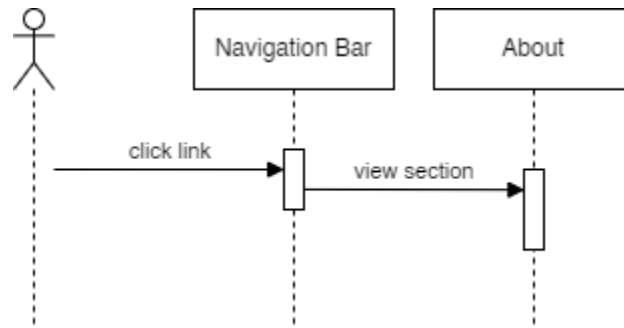
### 6.2.2 View Portfolio



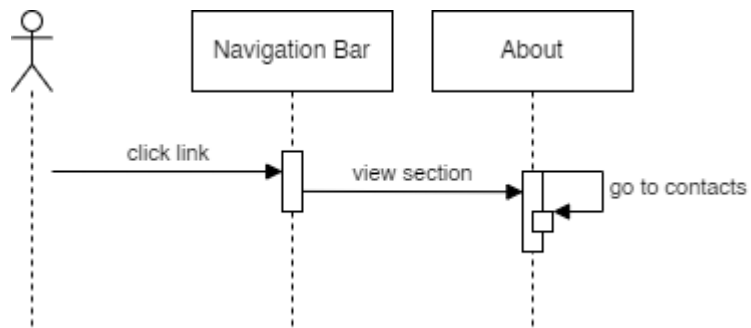
### 6.2.3 Filter Projects



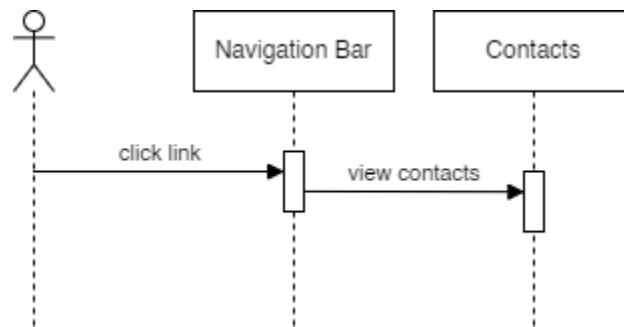
#### 6.2.4 View About Section



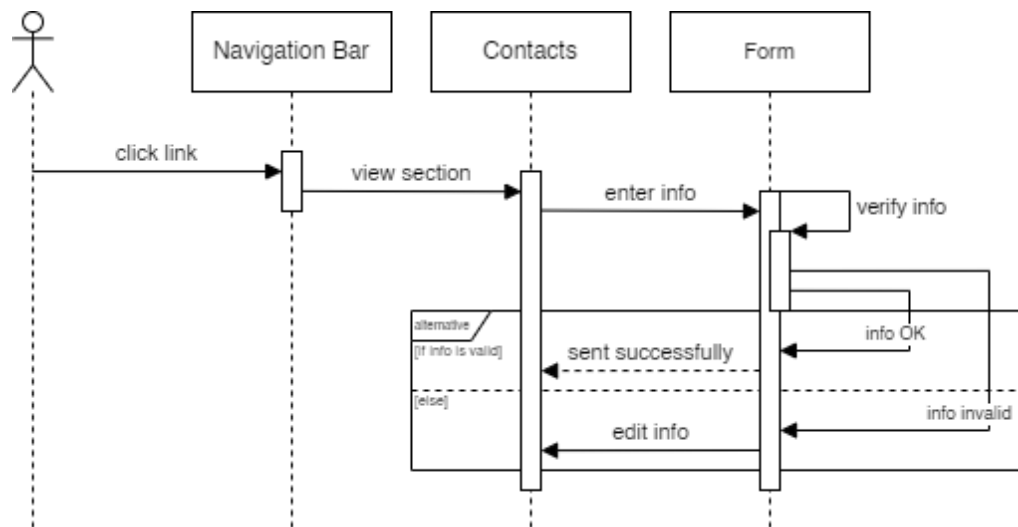
#### 6.2.5 Go to Contacts (from About section)



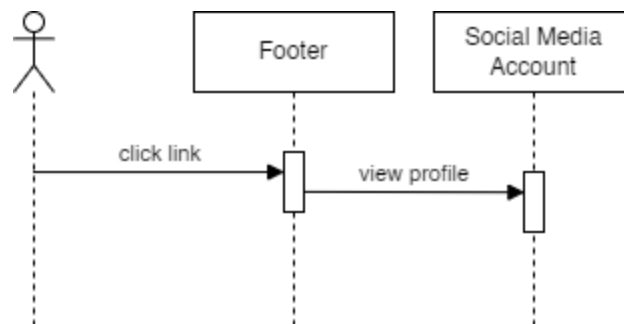
#### 6.2.6 Go to Contacts



### 6.2.7 Send Message



### 6.2.8 Visit Social Media Accounts



### 6.2.9 View Website Database

