SOFTWARE REQUIREMENTS SPECIFICATION

"The Wanderer" - A Travel Blog

Project Version <1.0>

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TABLE OF CONTENTS

1. **INTRODUCTION**

   1.1. **Purpose**

   The purpose of this document is to offer a description of the blog website and its requirements. It aims to explain the features and uses of the website, its interfaces, its limitations, and how it will react to external user action.

   1.2. **Intended Audience**

   This document is intended for the developer of the website as well as the professor of this subject, for which this document will be reviewed.

   1.3. **Product Scope**

   This website will serve as a blog and will be designed to enable the author to publish text stories in a blog post, images, and video files. Furthermore, the website will be designed to allow other users to communicate with the author via comments on each blog post. The website will not require users to log in or register and can leave comments with the option to be anonymous or include a username. Each comment will be stored in a database. The website will also provide the author's contact information in a separate page and allows users to email the author.

1.4.   Definitions and Acronyms

Term	Definition
AdonisJS	A framework for NodeJS
Author	The only user who can publish blog posts and images, also the developer.
MySQL	A relational database management system
NodeJS	A backend JavaScript runtime environment
PC	Personal Computer
ReactJS	A frontend JavaScript library for building user interface components
Tailwind CSS	A CSS framework

## 2.	OVERALL DESCRIPTION

The Wanderer is a travel blog that details the author's travel experiences. The blog has three categories: biking, travel, and diving. Each category contains its corresponding blog post. It features a gallery where all images are displayed in a grid.

### 2.1.	User Needs

The primary user for this website is the author (developer) and is responsible for providing the blog posts and images. The author needs the website to organize and display posted materials neatly.

The secondary users for this website are the site visitors. The site must be intuitive and must contain appropriate links to different sections of the website for user experience.

### 2.2.	Assumptions and Dependencies

The following are the main assumptions,

#### 2.2.1.	Frontend

The developer is familiar with ReactJS and Tailwind CSS in order to manage and update the website.

#### 2.2.2.	Backend

The developer is capable of setting up and maintaining the backend of the site using AdonisJS and MySQL. The developer is also familiar with NodeJS and its commands.

#### 2.2.3.	Compatibility

The website will run on modern browsers like Google Chrome, Internet Explorer 11, Firefox, and Safari 9.
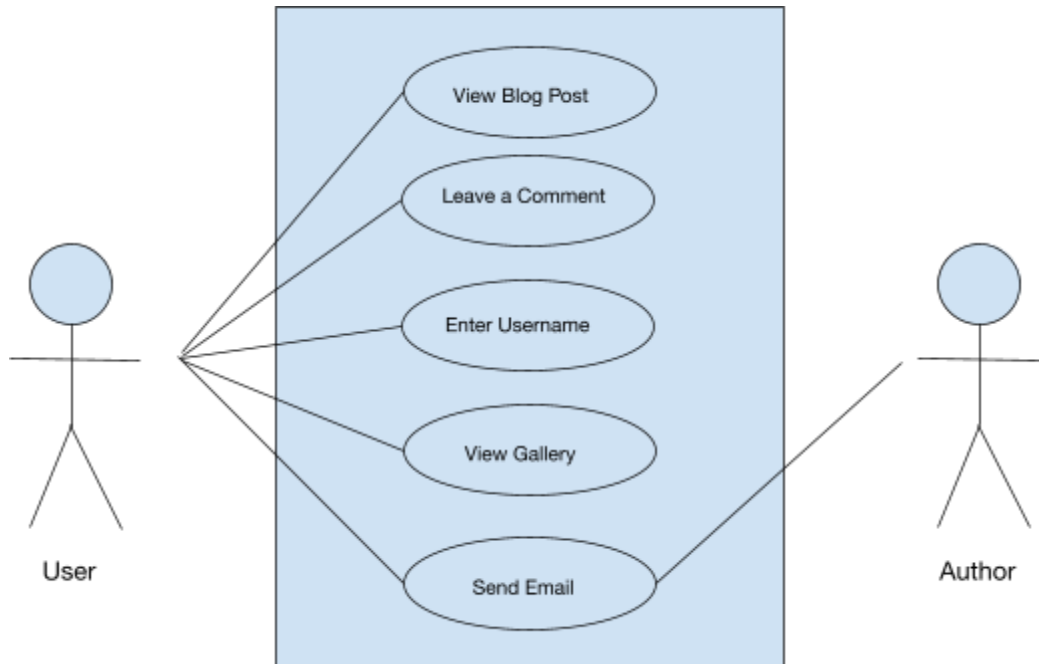
2.3.   User Characteristics

The author (developer) is expected to be literate in programming in order to manage the website and post content.

The site visitors are expected to be internet literate and familiar with navigating a website.

3. SYSTEM FEATURES AND REQUIREMENTS

3.1. Functional Requirements

3.1.1. Use Cases

3.1.1.1.   The website shall display blog posts and allow users to view them.

3.1.1.2.   The website shall allow the users to leave a comment.

3.1.1.3.   The website shall provide an option for users to enter their username when leaving a comment.

3.1.1.4.   The website shall allow users to view the gallery page.

3.1.1.5.   The website shall provide a link of the author's email which the users can access.

3.2. External Interface Requirements

    3.2.1. User Interface Requirements

        a. Blog Pages

            i. Home. This page will feature the title of the website and the blog categories.

            ii. Gallery. This page will feature images chosen by the author.

            iii. About me. This page will display a short description about the author.

            iv. Contact. This page will display the contact information of the author.

        b. Comment section. This will be displayed under each blog post. Each user can post a comment which will be displayed in order of most recent to least.

        c. Navigation Bar. This will be shown at the top of all pages at all times and will allow users to navigate through the entire website.

    3.2.2. Hardware Interface Requirements

        a. Screen requirements. The website will support standard screen resolutions and aspect ratios for desktops, laptops, and smartphones.

        b. Input. The website will support input via mouse and keyboard, as well as other inputs recognizable by the user's device (e.g., touchpad, on-screen keyboard).

   c. Internet Connectivity. The device will be connected to the internet and has a decent internet connection.

3.2.3. Software Interface Requirements

The website shall be accessed through a web browser such as Google Chrome for PC, or Safari for Mac.

3.3. System Features

The website shall use MySQL through AdonisJS as a database. The database will store all comments from each blog post.

3.4. Non-functional Requirements

3.4.1. Usability

   a. The user interface must be clean and simple for users.

   b. Navigating the website must be intuitive for users.

   c. The website must be compatible with standard screen sizes.

3.4.2. Portability

   a. The website shall work on Windows and Mac.

   b. The website shall open without a problem on browsers.

   c. The website shall open without a problem on Apple and Android phones.

   d. The website shall work fine on Internet Explorer 11, Firefox 29, and Safari 9.