

Software Requirements Specification
for
BonFyr
A Campgrounds Information System

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Revision History

Revision	Date	Author(s)	Description
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Chapter 1

Introduction

1.1 Purpose

The purpose of the document is to address the requirements behind building the targeted software; In this case, a web application which acts as a hub for campgrounds around the world and lets users review, acquire information about campgrounds and interact with each other.

1.2 Intended Audience

The document is intended for software developers, project manager and the client.

1.3 Intended Use

To developers, the Software Requirements Specification provides concise insight into what exactly is expected as an end-product. For project manager and client, this document provides mutual agreement and understanding as to what the product should comprise.

1.4 Product Scope

1.5 Risk Definition

Chapter 2

Overall Description

2.1 User Classes and Characteristics

Primary User: General public

Secondary User: Admin

2.2 User Needs

Primary User Needs: The Campsite Web App will allow primary users to discover campsites in Bangladesh. Most campers or adventurers in the country struggle to find an ideal camping site, as this requires subscribing to various social media pages and surfing through different opinions in order to find an ideal campsite. Campers need to get acquainted with other campers with similar interest. The camping web application provides a platform for camping-interested people who can acquire all the necessary information about a camp, discover campers with similar interests, and introduce sites of their own.

Secondary User Needs: In case of an error or handling of anomalies, Admins need to check the error from a primary user's perspective, and need to be able to have write properties over any posts.

2.3 Operating Environment

2.4 Constraints

- Due to its duration of completion restricted to 3.5 months, advanced booking features are absent.
- Paid services such as Google Map features are absent due to low investment.

2.5 Assumptions

- Users use the app using a smart phone or any device with a web browser.
- Users understand English.
- Users have an internet connection.

Chapter 3

Requirements

3.1 Functional Requirements

3.1.1 Feature: View Camp Demographic and Weather Information

As a camper,

I need to visit a camp's page and view its price, location, description and weather information,
so that I can decide if the camp would be an ideal choice for me.

- Demographic Information includes a camp's pictures, description, price, location and its author's profile link.
- Weather condition includes temperature, wind speed and climate of the camp.
- Temperature should be in degree Celsius, and wind speed in "km/hr"
- Price should be in BDT format
- A user does not need to be signed in to view information about camps

Confirmation

1. From Home page, click on "View Our Campgrounds".
2. System redirects to "Campgrounds" page.
3. From "Campgrounds" page, click on a camp's link to go to its page.
 - (a) Click on "More Info" in any of the showcased campgrounds to see if it leads to the page of the camp.
 - (b) Search for a camp and then click on "More Info" in of the resulted campgrounds to see if it redirects to the page of the camp.
 - (c) As a logged in user, if you have added campgrounds of your own, navigate to your profile and click on any of the campgrounds listed under "My Campgrounds" to see if it leads to the camp's page.
4. User can see weather conditions, description, price and location in the camp's page.
 - (a) From the camp's page, click on the author's profile link.
 - (b) Click on one of the campground's link under "Author's Campgrounds" to see if it leads to the camp's page.

3.1.2 Feature: Sending Email to a Camper

As a camper,

I need to send email to another camper

so that I can arrange a booking or gain more information about desired camp.

- Only registered users can send mails to campers.
- Option to send mail will only be available in a recipient camper's profile.

Confirmation

- **Prerequisite:** User must be logged in.
 - If user is not logged in, step 4 mentioned in confirmation should redirect the user to the login page with the flash message "You need to be logged in to send mail to a camper."
1. Navigate to a Campground page.
 2. Click on the author's profile link next to "Submitted by".
 3. System redirects to author's profile page.
 4. Click on "Mail Camper" link/button.
 5. "Send Mail" page opens with a form for submitting mail.
 - The form contains a text field and a "Send" button.
 6. Fill up the text field and click on "Send".
 - Clicking the "Send" button without filling up the form should notify the user to fill up the text area.
 7. System redirects to author's profile with flash message "Mail sent successfully."
 - Any network or unidentified error should redirect the user to author's profile page with flash message "There was a problem sending the mail. Please try again."

3.2 Non Functional Requirements

Appendices

Appendix A

Glossary