Software Requirements System
Version 1.1

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Altaria News Website System

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Preface

The purpose of this document is to give a comprehensive description of the Altaria News Website system. It explains the operations or features available to the system such as those in the domain of website management, user access, and the like.

The intended readers of this document are the administrators of the Altaria News media outlet, as well as the developers of the system as an authoritative guide to how the website system works in a perspective relevant to the type of reader using the document.

As of this writing, the system is in its 1.1 version where a login and registration interface for non-admin users is implemented.

Version 1.0 of the website consisted of only the news page and admin user login.

I. Introduction

This website system will serve as the digital medium for the online publication of the Altaria News media outlet. It serves as an online venue for Altaria News readers to access the latest Altaria News updates. This development is in line with the organization's goal of expanding their reach by establishing their news brand's digital presence.

Under the hood, the website will be built following the Django web framework for faster website development and deployment. The said framework already provides the necessary structures needed to set up the website. Hence, features concerning user creation and management, as well as the website post management uses the structure already provided by Django.

The system allows the creation of superusers, staff users and regular users. Each with their own specific set of privileges that affect the level of management each user can take.

The site's homepage features published articles that regular users can access. Navigation tools such as the website header and the website footer, are also provided which contain useful links, such as links to particular news categories, giving users the option to browse articles according to a certain theme. At the bottom of every news page sits a slider, which suggests relevant articles to read should users opt to read further.

II. Glossary

Term	Definition
Django	A web framework written in Python.
Superuser	A user with access to all site permissions in the Django web framework
Staff user	A user with limited admin level access in the Django web framework
Regular user	A non-admin user.
SQLite Database	A relational database management system

III. User Requirements Definition

A. Functional Requirements

This section enumerates the expected services that users of the site can expect to receive.

1. **User Creation.** The website system shall allow the creation of specific types of users. Regular users can register/login on the normal registration/login page; while superusers and staff users have to be created by existing superusers. Permissions vary depending on the type of user.

2. **Content Management.** Users with access to content management tools can create, edit or delete post content, as well as specify other related information about the content/post item, such as caption and author name. Users are also allowed to upload photos associated with a specific post.

3. **View Article.** Regular users can access the site's homepage where they can choose an article to read. Each article displays related information about the article for the user's perusal.

B. Non-Functional Requirements

1. Limitations inherent to the Django framework translate as the limitations of the web system since it is built over the said framework.

2. Information collected from users and consequently processed will be following the provisions of the Data Privacy Act.

3. Users and Post records and their corresponding attributes are stored in an SQLite database already provided by Django.

IV. **System Requirements Specification**

A. **User Creation**

1. All users can be created via the site's admin page, with the exception of the first superuser being created through the terminal. Subsequent superusers or staff users can be created by existing superusers.

2. Existing Superusers and Staff Users enter their login credentials on the forms provided in the admin login page. After which, they are directed to the admin dashboard.

3. For security purposes, superusers and staff users should only be created by existing superusers.

4. Regular users without access to the admin page can create their own user profiles through a separate login page; if unregistered, a link to the registration page will be provided where regular users can fill the forms for registration. Additionally, both the regular user login and registration page will implement the password visibility toggle feature to enable users to see their passwords as they input it.

5. Only usernames and passwords are required to create or register users. Usernames need to be unique, and passwords need to be 8 characters long, with at least one capital letter, one number and one symbol.

6. Superusers have access to all permissions on the site, while staff user permissions are dependent on the permissions allowed for a particular staff user, which is set by a superuser. Users without access to the admin page are called regular users.

7. Primary permissions on the site include access to content management tools, i.e., creation, deletion or updating/editing of posts, as well as authentication and authorization tools, i.e., user creation and management.

8. The user is given the option to logout as they wish. However, if a user remains idle for 5 minutes or more, the session automatically expires and the user is logged out, followed by a prompt informing the user of the event due to inactivity.

B. **Content Management**

1. Content management tools are accessed through the site's admin dashboard page.

2. Under posts, users are provided with a list of published posts that they can edit. They also have the option to add a new post item.

3. The following are required fields when adding a new post item: title, body, caption and author.

4. Users also have the option of uploading a photo to display for each post. Each photo is accompanied by a caption.

C. Article Viewing

1. The user accesses a published article from the homepage.

2. Clicking an article opens the news page displaying the photo associated with the article, along with the title, the date of publication and the author's name below.

3. Below the last paragraph of the article are social media buttons for sharing the article to the respective social media platform.

4. At the bottom of the page sits a slider featuring related news items if the reader chooses to read further.