SWE Project Phase 1

Magazine Management System

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SRS Document

Introduction

The Magazine Management System aims to enhance content creation, schedule management, subscriptions, ads, and performance tracking. This document outlines its functional and non-functional requirements.

User Requirements

1. **Authentication**
   Users should be able to sign up for the system and then login to the system when filling in the correct credentials**.**

   Authors:

2. **Post Magazines**

   The System shall allow the Verified Authors to post Magazines.

3. **Edit Magazines**

   The System shall allow the Verified Authors to edit previously added Magazines.

4. **Delete Magazines**

   The System shall allow the Verified Authors to delete previously added Magazines.

Readers:

5. **Read Magazines**
   The System shall allow registered users to read posted magazines.

6. **Share Magazines**
   The System shall allow registered users to share posted magazines.

7. **Like Magazines**

The System shall allow registered users to like posted magazines.

8. **Report Magazines**

   The System shall allow registered users to report inappropriate Content to be reviewed by the Administrators.

9. **Search for Magazines**
   The System shall allow registered users to search for the Magazines.

Administrators:

10. **Verify authors.**
    The system shall allow the admins to verify the authors.

11. **Hide Content**
    The system shall allow the admins to hide inappropriate content reported by readers.

12. **Block Authors**
    The system shall allow the admins to Block authors with repeated rules violation.

Functional Requirements:

Sign Up

Description:

Sign Up functionality should allow the user to sign up to the system and set their data in the profile.

Inputs:

- **Email: Users should fill the "Email Field" with a valid and unique email**
- **User to fill the OTP field with the OTP sent to the user on their email.**
- **Password User to set a password to his account.**

Source:

The Sign-up functionality is initiated by users accessing the system for the first time, directed to the signup page.

Pre-Conditions:

- **User Having Unique and Valid Email.**

Post-Conditions:

Upon Successful signup:

- **User Is registered to the system.**
- **User is directed to the Magazine Home Page.**

Unsuccessful Signup:

- **User Is not registered to the system.**
- **Error Message pops up.**

Output:

Successful Signup: The user is redirected to their dashboard landing page for their role within the system.

Failed Signup: Error Message to be shown.

Login

Description:

Login functionality should allow the user to Login to the system with valid credentials.

Inputs:

- **Email: Associated email to the user profile**
- **Password: Associated password to the user profile**

Source:

The Login functionality is initiated by users trying to login to the system directed to the Login page.

Pre-Conditions:

- **Registered User to the system**

Post-Conditions:

Valid Credentials:

- **System detects the user type.**
- **User is directed to the Magazine Home Page.**

Invalid Credentials:

- **User is not directed to the Magazine Home Page.**
- **“Invalid Credentials” Error Message**

Output:

Successful Login: User is directed to the Magazine Home Page.

Failed login: Error Message to be shown.

Read Magazines

Description:

The system shall display previously added Magazines to the users.

Inputs:

Source:

Pre-Conditions:

Authenticated User

Post-Conditions:

User to read previously added Magazines.

Output:
Magazines are displayed Newest first.

Search For Magazine

Description:

Search Functionality shall allow the user to find the desired Magazine.

Inputs:

- **Magazine Name**
- **Magazine Category**

Source:

User Inputs Desired Magazine's info in the Search bar

Pre-Conditions:

- **Authenticated User**
- **User Inputs Magazine Name or category in search bar**

Post-Conditions:

Data Found:

- **Matching Results to be displayed for the user.**
- **Unmatching results to be eliminated.**
- **Results count to be displayed.**

No Data Found:

- **User to be informed that no data matches their inputs.**

Output:

If Data Found Magazines to be shown.

Verify Authors

Description:

Verify Authors Functionality is to allow the admins to verify which authors can post to the system.

Inputs: The Author's account.

Source: Verification request form.

Pre-Conditions:

- **Authenticated Admin**
- **Unexpired admin token**
- **Author Requesting to be Verified.**

Post-Conditions:

Author is Verified:

- **An email is sent to the author informing them about their verification.**
- **The author should be able to post new magazines to the system.**

Author is not Verified:

- **An email is sent to the author to inform them.**
- **The author should not be able to post new magazines to the system.**

Output:

Email to reflect the status of the user's verification request.

Block author.

Description:

Block Authors Functionality is to allow the admins to Block the authors with repeated rules violation.

Inputs:

- **Author Email: unique identifier to be shown to the admin to be blocked.**
- **Reason: The reason for blocking the author.**

Source: Author's profile.

Pre-Conditions:

- **A user reported a magazine.**
- **Authenticated admin**

Post-Conditions

- **The author's magazine should be deleted.**
- **The author should not be able to post new magazines to the system.**
- **An email is sent to the author to inform them.**
- **The author should not be able to login to the system.**

Output:

The Author is blocked by the admin.

Non- Functional Requirements:

Reliability

The system should be reliable and available whenever users need to access magazines The downtime (failure) of the system shouldn't exceed 5ms per day and the updated process shall rollback when any update fails commit.

Scalability

The system should be scalable to accommodate future growth in the number of users and magazines.

Security

The system should ensure the security and privacy of user data and magazine content. This includes measures such as authentication, authorization, encryption of sensitive data, and protection against common security threats.

Ease of use

The system should be easy to use and navigate, with an intuitive interface for users to search, browse, and read magazines. It should also be accessible to users with disabilities and the Users will be able to use the software after 1 hour of use.

Robustness

The average number of errors shall not exceed 2 per hour and in case of any failure the system should not take more than 2 minutes to restart.

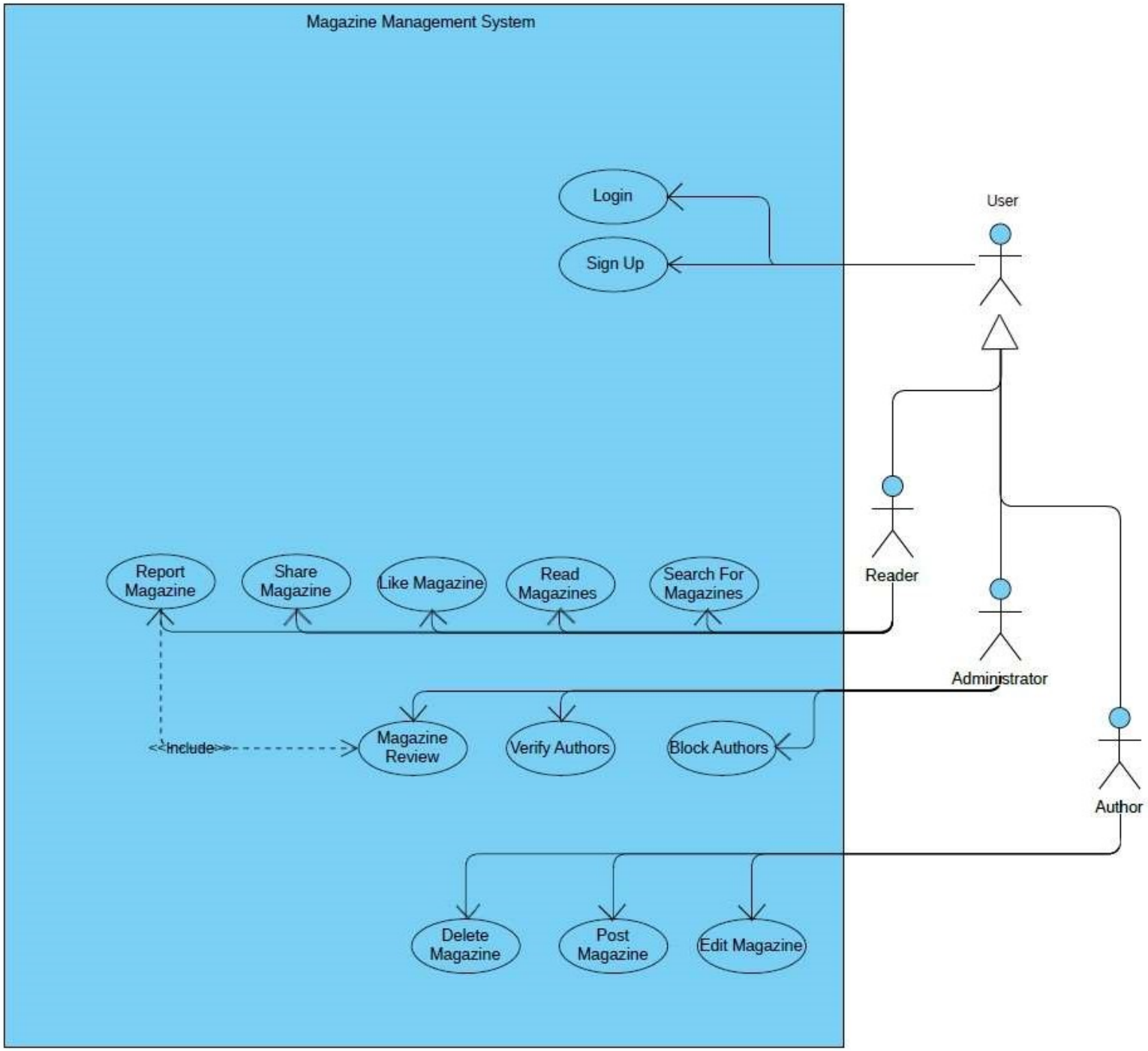
Compatibility

The system should be compatible with a variety of devices and platforms, such as desktops, laptops, tablets, and smartphones. It should also be compatible with different web browsers.

Size

The size of the software shouldn’t exceed 30 megabytes on computers and 15 megabytes on cellphones.

Use Case Diagram



Sequence Diagram