Document:

System Requirement Specification Document (SRS)

Client: Admin, Artist, Customer

Team:

Direct Customer, Indirect Customer, Software Architect,

Quality Assurance, Business Analyst.

Objective (purpose):

The Readers Hub web application is designed to connect organisers and author on a single platform. It will help organizers to connect with author online and get fresh books or content easily for their website. Talented authors can register and request

that the admin allows them to publish their books or content. Author will get a chance to publish their work on website; they need not struggle for opportunity. Readers can easily read the books or the work of their favourite author, as published on the site, can give rating to the book or the work which are published and if need then reader can do subscription easily.

Scope:

The Administrator will be able to check the work of authors and according to that admin give access to publish their work on the site. The admin will be able to approve or reject requests raised by an author. Author will be able to read the reviews on their own work and according to that they can do changes in their work. They can update their profile for an and will be able to view other author’s profiles. They will get confirmation from the admin to publish their work which they requested. Once an author has been approved, the admin can reject him or her within 24 hours. Reader will be able to see the recent published book or content, can add reviews. Readers Hub system will be operational 24 hours, 7 days for all actors.

Functional Requirements:

Any anonymous Reader will be able to view the contents available on the site but not able to read. The reader can also view the details of the books. Registered reader will be able to read the books or content which are free & if reader want to read all the content from the site, then need to take subscription. The admin can view the subscription details of subscribed reader. The reader will be able to add a review for the particular content or author.

Author will be able to request to publish things in addition to their book. The admin will have the authority to approve or reject authors requests. Author will be able to update their profiles. Author can also view the details of other author’s profiles. If the admin approves the request, the author will be notified.

Admin will be able to approve or reject the request from the author. Admin will be able to manage the subscription details.

Registration of readers, authors, and admin will be available in the system. Registered readers can bye subscription, registered authors can publish their content, and admin will able to manage the authors work and readers subscription.

Event details can be published by the organizer. Author can request that the organiser allow them to participate in a particular event. A registered reader can view the details of the event and book tickets for an event. Organized events can also be rated by registered readers.

Subscription plan can be managed by the admin. The reader can take subscription according to the plan available. The admin can view and manage the subscriber details.

The system will present dashboards for Admin, Authors and Readers.

The dashboard will display information in the form of graphs, key performance indicators, and grid data.

The reader dashboard will allow them to access books or their content related information.

Admin will be able to track their popularity of particular Author or their particular book through the Readers Hub System.

Non Functional Requirements:

Security

Only registered authors can allow to publish their content.

Only the Admin can check the details of all readers and authors.

Each reader will access the system through an authentication process.

The system will provide access to the content and operations using role-based security (authorization).

Stakeholders will take care of the threats facing a system in order to build defences against them.

For inactive stakeholders, the system will block operations and redirect to the authentication page.

Internally, the system will keep a secure communication channel open between servers (web servers, app servers, database servers).

Sensitive data will always be encrypted across communications.

Use a proper firewall to protect servers from outside, vulnerable attacks.

The access permission for system data may only be changed by System's data administrator.

Realiablilty

The system will backup business data on a regular basis and recover in a short time to keep the system operational. Continuous updates are maintained, and continuous administration is done to keep the system operational.

During peak hours, the system will maintain the same reader experience by managing load balancing.

It consistently performs the given tasks without failure.

Availability

The information will be available to access and use all the time, with reliable access. Certainly, it must be true for those with access rights.

Maintainability

Software maintenance will be done when the customer demands new features and functions in the software.

When the system's hardware is upgraded, the software is updated as well.

A commercial database software will be used to maintain system data persistence.

Separate environments will be maintained for system isolation in production, testing, and development.

Portability

The software will be easily moved from one computing environment to another. They include portable versions of regular applications such as browsers.

The system will provide portable reader interfaces (HTML, CSS, and JS) for readers to access the portal.

The system can be deployed to single or multiple servers, any operating system, and the cloud (Azure, AWS, or GCP).

Durability

The system will retain information about readers for a relatively longer time.

software will allow an organisation to adjust the software to business needs that are constantly evolving, often in impulsive ways.

Modularity

System will be designed and developed using reusable, independent or dependent business scenarios in the form of modules. These modules will be loosely coupled and highly cohesive.

System will contain content publishing, subscription, CRM, membership and Roles management modules, online reading.

Efficiency

The maximum number of readers can view and read the same book with the same response time. The reader will be able to see the book updates at the same speed.

Scalability

Regardless of load, the system will be able to provide a consistent reader experience to stakeholders and visitors.

The software will handle increased workloads while adding and removing readers.

The software supports growing amounts of data.

Safety

The system will enforce some rules by implementing access control rules in a central, server-side management library to decide who needs what access to which data and to which features.

The system will be safe from malicious attacks.

System functionalities are protected from the outside with proper firewall configuration.

Business data will be backed up periodically to ensure the safety of the data using an incremental backup strategy.

Role-based security will be applied for application data and operations accessibility.