E-BOOK MANAGEMENT SYSTEM

1. Introduction

In the digital age, the proliferation of electronic books (e-books) has revolutionized the way people access and consume literature. As e-book collections grow, so does the need for efficient organization and management. E-Book Management Systems have emerged as indispensable tools for readers, offering a systematic and user-friendly approach to cataloguing, tracking, and enjoying digital libraries.

* 1. Purpose of this document:

The main purpose of this document is about the Software Requirements for E-book Management system. This document talks about how the E-book Management can be developed and what are the requirements needed to Implement.

* 1. Scope of this document:

The scope of an E-Book Management System encompasses a wide range of functionalities and features designed to assist users in efficiently organizing, accessing, and enjoying their digital book collections.

* 1. Overview:

The main purpose of this document is to provide books to the people at any cost and the easy way to get books at any time.

* 1. Business Concept:

The business concept of an E-Book Management System revolves around addressing the needs and challenges of individuals who have embraced digital reading, providing them with a comprehensive solution for organizing, accessing, and enjoying their e-book collections.

1. General Description

The E-Book Management System offers a comprehensive solution for users to efficiently organize, catalogue, and enjoy their electronic book (e-book) collections. Its functions include automated metadata retrieval, intuitive search options, and reading progress tracking, providing a centralized platform for seamless e-book management.

* 1. Product Functions:

1. User Registration and Authentication:
   1. Allows users to register for an account
   2. Authenticate users securely through multi-factor authentication
2. Users Profile:
   1. Contains the details of users.
   2. Editing the Details.
3. User Files:
   1. Contains the files uploaded by user.
4. File Verification:
   1. When user want to upload the file to the system then the Authentication should verify the file and sent status of file whether to upload or not.
5. Status tracking:
   1. Tracking the status of user reading books.
   2. Classes and Characteristics:

Designed for avid readers and digital book enthusiasts, the system caters to users seeking efficient e-book organization and personalized reading experiences.

* 1. User Problem Statement:

Users face challenges in efficiently managing, tracking, and accessing their growing digital book collections, leading to a need for an organized and user-friendly solution.

* 1. User Objectives:

User objectives include seamless e-book organization, categorization, and cross-device reading progress synchronization, contributing to an enhanced digital reading experience.

* 1. General Constraints:

Constraints may arise from format compatibility issues and potential limitations in integrating with specific e-book platforms, requiring consideration for optimal functionality.

1. Specific Requirements:
   1. External Interface Requirements
2. User Interfaces

Intuitive and user-friendly web interfaces for applicants, government

officials, and administrators.

1. Hardware Interfaces

Standard hardware requirements for servers hosting the EBMS.

1. Software Interfaces

Integration with government identity verification databases.

Compatibility with standard web browsers (e.g., Chrome, Firefox)

* 1. Functional Requirements

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5. Status tracking:
   1. Tracking the status of user reading books.
   2. Performance Requirements

* The system should handle a minimum of 1000 concurrent users.
* Response time for user actions should be within 3 seconds.
  1. Security Requirements
* Encryption of sensitive user data during transmission.
* Role-based access control for different user classes.
* Regular security audits and updates.
  1. Reliability and Availability
* The system should have 99.9% uptime.
* Regular backups of data to prevent data loss.
  1. Maintainability
* Easy system updates and patches.
* Comprehensive user and administrator documentation.

1. Other Non-Functional Requirements

* Non-functional requirements are not required