**TheeCollective Web App Documentation**

**Introduction**

theeCollective is an online magazine web application that enables users to access articles on various topics. It allows users to register, login, view articles, and enables administrators to manage published articles and user accounts.

**Technologies Used**

* Java: Core programming language used for backend development.
* Hibernate: Object-relational mapping tool used for database management.
* Spring MVC: Framework used for building the web application.
* Bootstrap: Frontend framework for designing the user interface.

**Features**

* User Management
* User Registration: New users can sign up by providing necessary details.
* User Login: Registered users can log in securely using their credentials.
* Session Management: Implementation of session management to handle user sessions securely.
* Article Management
* Article Creation: Authors can create and submit articles for publication.
* Article Editing: Authors can modify and update their articles.
* Article Publishing: Admin can review and publish articles for public access.
* Article CRUD Operations: Basic CRUD functionalities for articles.

**Admin Panel**

* Admin Dashboard: Provides an overview of published articles and user accounts.
* User Management: Admin can manage user accounts, such as editing user details or deactivating accounts.
* Article Management: Admin has control over article publication, editing, or removal.
* Reporting
* Generation of Reports: Capability to generate reports, possibly in PDF format, for various statistics like user activity, article performance, etc.

**Database Structure**

Classes:

Authors

Articles

Customers

**Frontend Design**

Utilizes Bootstrap for responsive and user-friendly design.

Provides an intuitive user interface for easy navigation and interaction.

Implementation Details

User Authentication: Implements secure user authentication and authorization mechanisms.

Session Management: Ensures secure session handling for user interactions.

PDF Generation: Integration of a library or tool to generate reports in PDF format.

CRUD Operations: Utilizes CRUD functionalities for managing articles and user accounts.

**Conclusion**

theeCollective is a sophisticated web application offering a platform for publishing and accessing articles on various topics. Built using Java, Hibernate, and Spring MVC, it provides a seamless user experience and robust functionalities for both users and administrators. The utilization of Bootstrap ensures an appealing and responsive frontend design. With further enhancements, theeCollective aims to become a comprehensive online magazine platform catering to a wide range of users.

