Istanbul Sabahattin Zaim University

Department of Software Engineering

Interactive Article

Writing & Managing

Platform

**Prepared by**

Semih Büyükgüngör

Project Proposal

Assignment # 1

**Introduction**

Interactive article platform is an application that provides users to write and edit article as a group by keeping in interaction to other users. It provides some tools that make it easy to write manage and track article. Moreover, users can publish their own article on this platform and track their articles by taking feedbacks from other users. In the same way, users can reach others published articles and declare their ideas.

As database, MySQL database will be used, and database will be wrapped by a web service in order to make it easy to transact on database into desktop application. For user interface Java with Swing will be used.

**List of Objects**

The project mainly consists of following entities.

-User

-Article

-Notification

-Request

-Permission

-Comment

-Chat

**Detailed Functions**

**User**

|  |  |
| --- | --- |
| Add | Register new user |
| Update | Update user credentials |
| Add Friend | Send friend request |
| Find by ID | Search user by id |
| Find by Name | Search user by name |
| Find by Email | Search user by email |
| Login | Log in the system |
| Logout | Log out the system |
| View Own Article | List user’s own articles |
| View Contribution Article | List user’s article joined as contributors |
| Update Contact Information | Update user’s contact information |
| Get Contact Information | Get user’s contact information |

**Article**

|  |  |
| --- | --- |
| Add | Create new article |
| Delete | Delete article |
| Update Information | Update article information |
| Update Content | Update article content |
| Update Request | Request for content update of article |
| Save | Save article |
| Download | Download article |
| Add Contributor | Add a user into article’s contributor list |
| Remove Contributor | Remove a user from contributor list |
| Publish | Publish article |
| Get Comment | Get comment of article |
| Get View | Get view count of article |

**Notification**

For inform related users, notification is sent after specific transactions.

|  |  |
| --- | --- |
| Send | Send notification to given user |
| Get | Get notification sent to user |
| Mark as seen | Mars notification as seen |

**Request**

|  |  |
| --- | --- |
| Send Friend Request | Send a friend request to user |
| Send Contribution Request | Send a contribution request |
| Accept Friend Request | Accept friend request |
| Deny Friend Request | Deny friend request |
| Accept Contribution Request | Accept contribution request |
| Deny Contribution Request | Deny contribution request |

**Permission**

Permission determines user’s accessibility over an article.

-Can make nothing

-Can only read

-Can read and make update request

|  |  |
| --- | --- |
| Promote | Upgrade a user’s permission level |
| Downgrade | Downgrade a user’s permission level |

**Comment**

|  |  |
| --- | --- |
| Add | Add a comment |
| Delete | Delete comment |
| Update | Update comment |
| View | List comments |

**Chat**

Chat is a feature that provides communication between friends and article’s contributors.