Final project

sportal
MEDIA GROUP

IT TALENTS
Training Camp

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27 years

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# GENERAL FUNCTIONALITY

User: -Login
-Register
-Edit profile
-Like Article
-Dislike Article
-Comment Articles
-Reply Comment
-Like Comment
-Dislike Comment
-Download Picture

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# GENERAL FUNCTIONALITY

Admin:  -Ban User
          -Upload Article
          -Delete Article
          -Upload Picture
          -Delete Picture
          -Dislike Comment
          -Download Picture

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GENERAL FUNCTIONALITY

Viewer: -Filter top5 articles
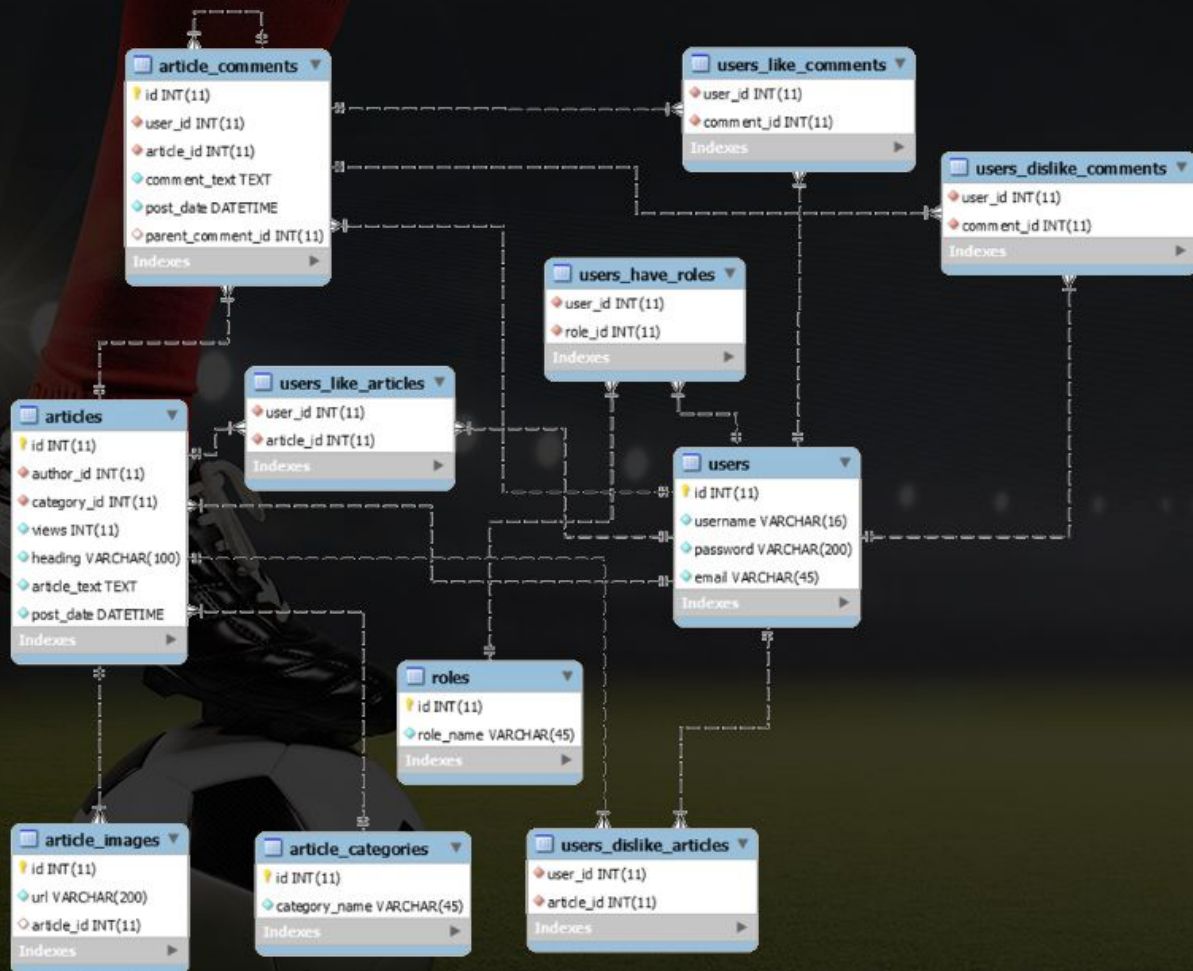-Search articles by:
-Title
-Category
-Track article view count

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# Entity/Relationship Diagram



**article_comments**
- id INT(11)
- user_id INT(11)
- article_id INT(11)
- comment_text TEXT
- post_date DATETIME
- parent_comment_id INT(11)
- Indexes

**users_like_comments**
- user_id INT(11)
- comment_id INT(11)
- Indexes

**users_dislike_comments**
- user_id INT(11)
- comment_id INT(11)
- Indexes

**users_have_roles**
- user_id INT(11)
- role_id INT(11)
- Indexes

**users_like_articles**
- user_id INT(11)
- article_id INT(11)
- Indexes

**articles**
- id INT(11)
- author_id INT(11)
- category_id INT(11)
- views INT(11)
- heading VARCHAR(100)
- article_text TEXT
- post_date DATETIME
- Indexes

**users**
- id INT(11)
- username VARCHAR(16)
- password VARCHAR(200)
- email VARCHAR(45)
- Indexes

**roles**
- id INT(11)
- role_name VARCHAR(45)
- Indexes

**article_images**
- id INT(11)
- url VARCHAR(200)
- article_id INT(11)
- Indexes

**article_categories**
- id INT(11)
- category_name VARCHAR(45)
- Indexes

**users_dislike_articles**
- user_id INT(11)
- article_id INT(11)
- Indexes

# Class Diagram

## Controllers

- Abstract controler
- Article controler
- Comment controler
- Image controler
- User controler

## Services

- Admin service
- Article service
- Comment service
- Image service
- User service
- Email service

# Class Diagram

## Repositories

- IArticleRepository
- ICategoryRepository
- ICommentRepository
- IImageRepository
- IUserRepository

## Utils

- Email Cfg
- LogMessageStatus
- OptionalResultVerifier
- SessionManager
- Validator

# Class Diagram - Models

## POJOs

- Article
- ArticleCategory
- ArticleImage
- Image
- POJO
- Role
- User
- Comment

## DTOs

- Coment DTO - 4 types
- ArticleCategory DTO - 2 types
- Article DTO - 7 types
- User DTO - 7 types
- Image DTO

## DAOs

- ArticleDAO
- CommentDAO
- UserDAO
- LikeAndDislike DAO

# ACTION MAP

| ARTICLE: | create | edit | delete | like | dislike | comment | search | sort |
|---|---|---|---|---|---|---|---|---|
| viewer | | | | | | | ✓ | ✓ |
| user | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| admin | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| COMMENT: | create | edit | delete | like | dislike | reply | get user`s comments |
|---|---|---|---|---|---|---|---|
| viewer | | | | | | | ✓ |
| user | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| admin | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| IMAGE: | add | remove |
|---|---|---|
| unregistered | | |
| registered user | | |
| admin | ✓ | ✓ |

| USER: | login | logout | edit profile | delete profile | password recovery | change password |
|---|---|---|---|---|---|---|
| unregistered | ✓ | | ✓ | ✓ | ✓ | ✓ |
| registered user | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| admin | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Thank you
for your attention!