Database design

|  |
| --- |
| users |
| user\_id INT(11) PRIMARY KEY AUTO\_INCREMENT  username VARCHAR(255) UNIQE  email VARCHAR(255) UNIQE  password VARCHAR(255)  user\_img VARCHAR(255)  date\_registration DATE  group\_id TINYINT [By default is 0 => Users, 1 is Admin]  permissions TINYINT [By default is 0 > Admin, 1 is Root] |

|  |
| --- |
| articles |
| article\_id INT(11) PRIMARY KEY AUTO\_INCREMENT  user\_id INT(11) FOREIGN KEY  article\_title VARCHAR(255)  article\_ content TEXT  article\_img VARCHAR(255)  date\_publication Date  category\_id INT(11) FOREIGN KEY |

|  |
| --- |
| categories |
| category\_id INT(11) PRIMARY KEY AUTO\_INCREMENT  category\_name CHAR(55)  description VARCHAR(255) |

|  |
| --- |
| comments |
| comment\_id INT(11) PRIMARY KEY AUTO\_INCREMENT  user\_id INT(11) FOREIGN KEY  comment\_content VARCHAR(255)  comment\_date Date  article\_id INT(11) FOREIGN KEY |

|  |
| --- |
| likes |
| user\_id INT(11) PRIMARY KEY FOREIGN KEY  article\_id INT(11) PRIMARY KEY FOREIGN KEY |

|  |
| --- |
| views |
| article\_id INT(11) FOREIGN KEY  number\_views INT(11) |

Application back-end pages

Dashboard page:

* Number of users.
* Number of articles.
* Number of likes on articles.
* Number of comments on articles.
* Last 3 users registered.
* Last 3 articles.
* Last 3 comments.

Members page:

* Show all users.
* Edit user.
* Delete user.

Articles page:

Add article:

* Write article title.
* Write article content.
* Upload article image.
* Choose category of article.

Manage article:

* Delete article.
* Edit article.

categories page:

* Show all categories.
* Name of category.
* Description of category.
* Edit category.
* Delete category.

Logout page

Profile:

* Show information.
* Edit information.

Application front-end pages

Profile page:

* Show information of users.
* Edit information.

Home page:

* Last 4 articles.
* Most liked articles.

IT category page:

* Articles about IT.

Programming category page:

* Articles about programming.

Cyber security category page:

* Articles about cyber security.

Networks category page:

* Articles about Networks.

Logout page

Register page

Back-end:

* Login [Username, password].

Front-end:

* Sign-up [Username, email, password].
* Sign-in [username, password].

Requirements

Front-end:

* HTML
* CSS
* JS
* Ajax
* Font-awesome
* Normalize
* Google fonts
* Responsive web

Back-end:

* PHP
* MySQL