

Timekļa tehnoloģiju gala darbs

Team of developers

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Development environment

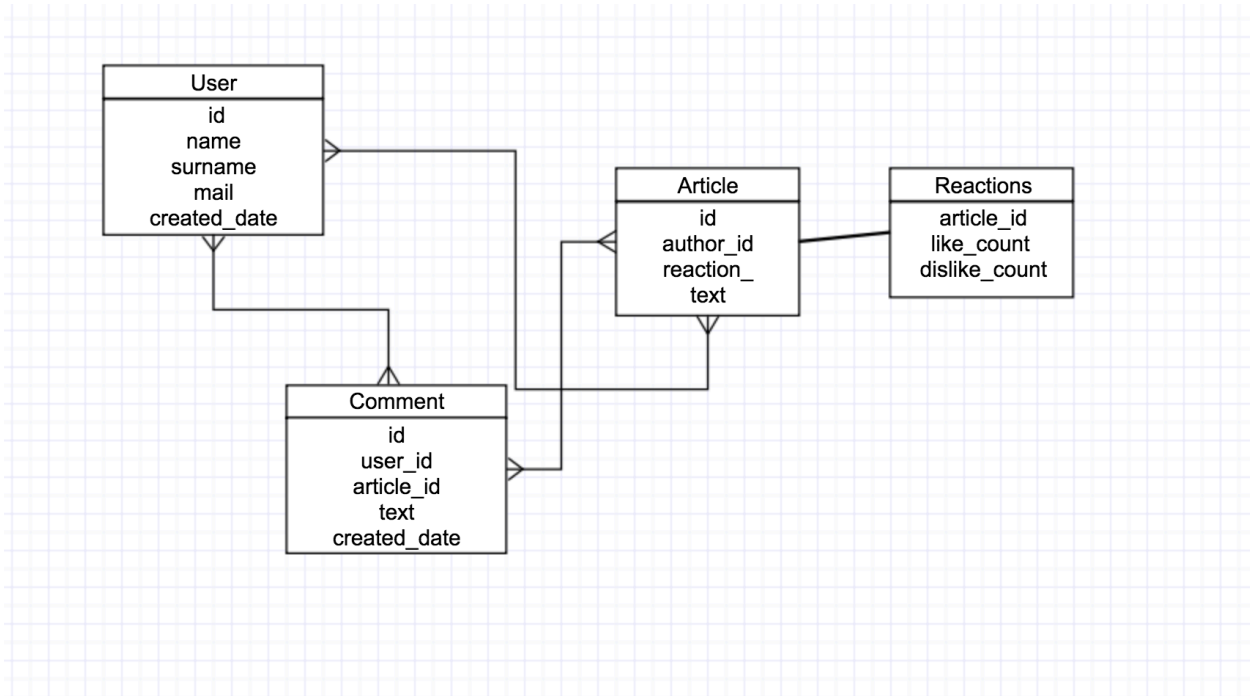
The project's code will be written in PHP 7, Laravel Blade, and for the data storage MySQL database will be used. The code will be stored in the GitHub system, Composer will be used for managing packages, plus will try to use Docker for separate of backend and frontend container.

Main functionality

- The project will consist of a topical blog in which it will be possible to post articles and media with them.
- Authorized users will be able to create posts and share them on their personal page. The blog posts will have a comment section under them, so everyone, even unauthorized users, will be able to comment it and add reaction.
- Main page will consist of search bar, so each of users could search for article in archive.
- In addition, there will be administrator's page, so admin could manage website, see statistics.

Data registry

Most significant fields in the project: User, Article, Comment, Article's resources.



MVC

Views:

- Personal page view;
- Administrator page view;
- View page of articles archive (with search box);
- New post creation view;
- Comment adding view;
- Comment section view;
- Like/dislike view;

Models:

- User;
- Article;

- Comment;
- Like/dislike;

Controllers:

- ArticleController with functions :
 - getArticle(id);
 - getAllArticlesByUserId(userId);
 - getAllArticles();
 - saveArticle(id, article);
 - removeArticle(articleName);
- UserController
 - createUser(...userinfo);
 - removeUser(userId);
 - updateUserInfo(userId);
 - getAllUsers();
- LoginController for managing login system

Since we will use for frontend framework, this only backend API and methods which will be called from frontend.

User roles

Visitor:

- See blog posts;
- Search blog posts
- Comment on blog posts

Authorized user:

- Post blog posts;
- Like/Dislike/favourite posts;
- Delete/edit their own posts.

Administrator:

- Delete users;
- Delete/edit all posts;

P.S Lower roles extends higher roles