

ДОКУМЕНТАЦИЈА

WireFrame

<http://wireframe.codeus.me/>

PRAKTIKUM IZ PHP-a

Лазар Лаловић 62/20

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УВОД

1.1 Коришћени програмски језици

За израду сајта, коришћено је следеће:

- HTML
- CSS/SCSS (Materialize framework)
- JavaScript
- PHP
- PHP Mailer
- CKEditor
- Composer
- XML
- JSON
- Регуларни изрази

Сви наведени језици, библиотеке и фрејмворкови су писани унутар „Visual Studio Code” окружења.

1.2 Опис функционалности

Садржај свих страница се исписује динамички, изузев почетне „index” странице која је статичка (осим поруке добродошлице) и странице о аутору. Сајт је прављен дјелимично по узору на „MVC” структуру и уз сопствени „mini” фрејмворт. Главне функционалности које се требају навести јесу:

- Динамичко исписивање навигационог менија и видљивост по улогама
- Логовање и регистрација корисника, сви параметри се проверавају и на клијентској и на серверској страни уз регуларне изразе
- Логовање и корисничким именом, а и мејлом
- Валидација регистрованог корисника путем „e-mail-a” верификацијоним токеном
- Контактирање администратора (у случају да је ауторизован корисник, аутоматски се попуњавају одређена поља)
- Могућност промјене профилне фотографије
- Анкетирање и памћење резултата (видљиво само администраторима)
- Креирање објава, које обавезно имају насловну фотографију, једну категорију(минимум) или више и само тијело објаве, које се може форматирати уз „CKEditor”
- Коментарисање и одговарање на коментаре
- Рутер, који делегира захтјеване „web” локације, те спријечава унос локација које програмер није дефинисао
- Претрага објава AJAX-ом и аутоматско ажурирање резултата, филтрирање по категоријама
- Управљање садржајем сајта из админ-панела. Корисници са администраторским улогама могу:
 - Проверити ћелокупно стање на сајту, број корисника, објава и сл.

- Читати поруке (идентификација прочитане/непрочитане поруке)
- Додавати/брисати категорије (брисати само оне које нису повезане са ниједном објавом)
- Креирати анкете
- Деактивирати текуће, постојеће анкете
- Одлучити која ће објава бити одобрена и приказана
- Пратити кретања корисника и генерално активност на страницама (опција: export to .txt).

1.3 Дизајн сајта

За израду сајта није коришћено готово рјешење, све је креирао аутор сајта. Прилагођен је за све врсте уређаја.



Stay informed!

The field of software engineering is constantly developing. (so dum tis) With tech, frameworks, and programming best practices changing every day - even the best developers risk falling behind.

Nobody really wants to dedicate large chunks of their time to continued education. We get that. Fortunately, the internet is littered with developer blogs. And, while we here at Wireframe are anti-filtering, we are definitely pro-innovation, pro-growth and pro-learning from the trials and errors of others so we don't have to waste time ourselves.



Interested in writing?

Simply create a profile and start writing programming topics, to help future generations.

Join us, and we will change and create the web together!

[REGISTER](#)



USEFUL LINKS

- [Home](#)
- [Posts](#)
- [Contact](#)
- [Author](#)
- [Register](#)
- [Log In](#)

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WireFrame

SITE ASSETS

- [Documentation](#)
- [Sitemap](#)
- [Scripts](#)

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HELLO,

my name is Lazar Lalović. I am 22 years old. I was born in Zvornik and raised in a small town called Milići, Serbian Republic. Now, I am a second-year student at: "College of Vocational Studies for Information and Communication Technologies", where I am majoring in Web programming.

[MORE ABOUT ME](#)

[EXPORT TO .DOC](#)

Posts

Search for post

Categories

- C#
- .NET
- HTML
- CSS
- JavaScript
- MySQL
- SQL Server
- React JS
- Angular JS
- Vue JS
- PHP
- Laravel
- Bootstrap CSS
- Materialize CSS
- Tailwind CSS

[1](#) [2](#) [3](#) [4](#)

[FILTER](#)

PHP Storm

MySQL Workbench IDE

Best way to connect PHP to MySQL?

Secure your passwords!

What is SEO?

Latest

[PHP Storm](#)

2022-03-08 20:26:56

[MySQL Workbench IDE](#)

2022-03-08 20:25:45

[Best way to connect PHP to MySQL?](#)

2022-03-08 20:24:32

[Secure your passwords!](#)

2022-03-08 20:23:35

[What is SEO?](#)

2022-03-08 20:20:08

Hello, write us a message!

E-Mail _____

Message Title _____

Write us something...

SEND

Register

First name
e.g. John

Last name
e.g. Doe

Username
e.g. johndoe

E-Mail
e.g. john.doe@example.com

Password
Min. 8 chars, one capital, one symbol (max. - 20)

Re-enter password
Repeat password

REGISTER

Already have an account? [Log In](#)

Log In

Username or E-mail
Type here ...

Password
Enter your password ...

LOG IN

Don't have an account? [Register](#)

Lazar Lalovic



Username: laxon00
Mail: lazarlalovic@gmail.com
Joined: 2022-03-08 11:21:07
Role: Administrator

Lazar's posts

Postid	Post title
1	What's new in Laravel 9.0?
2	Laravel Routing
3	What is SEO?
4	Secure your passwords!
5	Best way to connect PHP to MySQL?

Изглед профилне странице из перспективе власника профила (*слика десно*) и посетиоца на профил (*слика лево*)

Јасно можемо примјетити поруке које се приказују посетиоцима и власнику профила и функционалности.

Hello, Lazar!



Username: laxon00
Mail: lazarlalovic@gmail.com
Joined: 2022-03-08 11:21:07
Role: Administrator

Change profile picture:

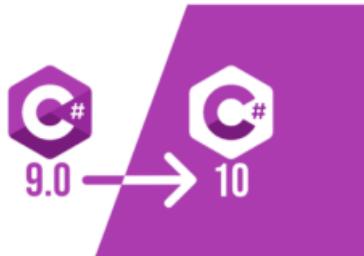
+ My posts

Postid	Post title	Edit	Remove
1	What's new in Laravel 9.0?		
2	Laravel Routing		
3	What is SEO?		

Изглед објаве и коментарисања

What's new in C# 10?

Written by Luka Lukic on 2022-03-08 20:07:44

[DELETE POST](#)

What's new in C# 10

C# 10 adds the following features and enhancements to the C# language:

- Record struct
- Improvements of structure types
- Interpolated string handles
- global using directives
- File-scoped namespace declaration
- Extended property patterns
- Improvements on lambda expressions
- Allow const & interpolated strings
- Allow type inference in casting()
- Improved definite assignment
- Allow both assignment and declaration in the same deconstruction
- Allow `AsynchronousReliableAttribute` on methods
- `CallerArgumentExpressionAttribute`
- Enhanced #line pragma

C# 10 is supported on .NET 6. For more information, see the [C# language versioning](#). You can download the latest .NET 6 SDK from the [.NET downloads page](#). You can also download [Visual Studio 2022](#), which includes the .NET 6 SDK.

Comments

Lazar Lalovic
2022-03-09 00:51:05

You should consider switching to Laravel and PHP, this is useless...

[Reply](#) [Delete](#)Luka Lukic
2022-03-09 01:04:41

You know nothing John Snow...

[Delete](#)Nikola Djumovic
2022-03-09 01:05:37

I agree with you!

[Delete](#)

What do you think?

[COMMENT](#)

Record structs

You can declare value type records using the `record struct` or `readonly record struct` declarations. You can now clearly that a record is a reference type with the `record class` declaration.

Create post

Title

Category

Post body

[IMAGE](#)

Upload cover image (important)

[CREATE POST](#)

Edit post

Title

Category

Post body

[IMAGE](#)

Upload cover image (important)

[SAVE POST](#)

Странице за креирање и измену објаве.

dashboard/messages - Све поруке. (автор је грешком отворио погрешну поруку... углавном зелена непрочитана, сива прочитана...)

Messageld	Subject	From	Received At	Delete
8	Mozda otvorena	luka.lukic@ict.edu.rs	2022-03-06 23:41:15	X
7	Nije otvorena poruka	milkacanic@dobrovece.net	2022-03-06 23:40:55	X
6	Pročitana poruka	lazarlalovic@gmail.com	2022-03-06 23:40:19	X

EMPTY INBOX

Странице на админ панелу: dashboard/posts - Одобравање објава.

PostId	PostTitle	PostAutor	CreatedAt	Approve
1	What's new in Laravel 9.0?	Iaxon00	2022-03-08 15:38:57	✓

dashboard/modify - Модификација категорија.

Add or remove categories

[EXPORT TO .XLS](#) [+](#)

Add category

+

CategoryId	Category name	Remove
2	.NET	X

dashboard/messages?view_message=id - Тијело поруке.

Dashboard > Messages > Nije Otvorena Poruka

[BACK](#) [DELETE](#)

Title: Nije otvorena poruka

Ovo nije otvorena poruka!

SentAt: 2022-03-06 23:40:55, by milkacanic@dobrovece.net

dashboard/users -

Увид у кориснике и модификација улога.

Dashboard > Users

Username	Joined	Role
 laxon00	2022-03-08 11:21:07	Administrator
 cokolino1	2022-03-08 12:03:30	Authorized
 luka95	2022-03-08 12:04:09	Administrator
 linna95	2022-03-08 12:05:40	Authorized
 nikola87	2022-03-08 12:07:11	Administrator
 boban72	2022-03-09 00:18:04	Authorized

dashboard/surveys - Анкетирање (лијево администраторски дио, десно кориснички)

The screenshot shows a split-screen application. The left side is a light gray dashboard for managing surveys, and the right side is a white survey-taking interface.

Left Side (Administrator View):

- Header:** Dashboard > Surveys
- Title:** Add or deactivate surveys
- Buttons:** A blue button with a plus sign (+) for adding new surveys.
- Table:** A list of surveys with columns: SurveyId, Question, and IsActive.
 - SurveyId 1: Question "How often do you visit us? - Sometimes - 1", IsActive: ✗ (red)
 - SurveyId 2: Question "How often do you write posts? -", IsActive: ✓ (green)

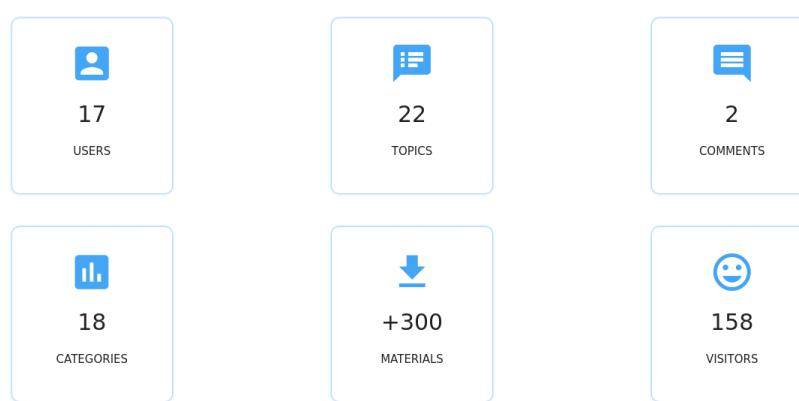
Right Side (User View):

- Title:** Take our surveys
- Table:** A survey question with columns: PollId, Question, and Your answer.
 - PollId 2: Question "How often do you write posts?"
 - Options: Never, Sometimes, Always (radio buttons)
 - Buttons: SEND (blue)

dashboard/index - Статистика

ADMIN PANEL v1.0.0

Dashboard > Index

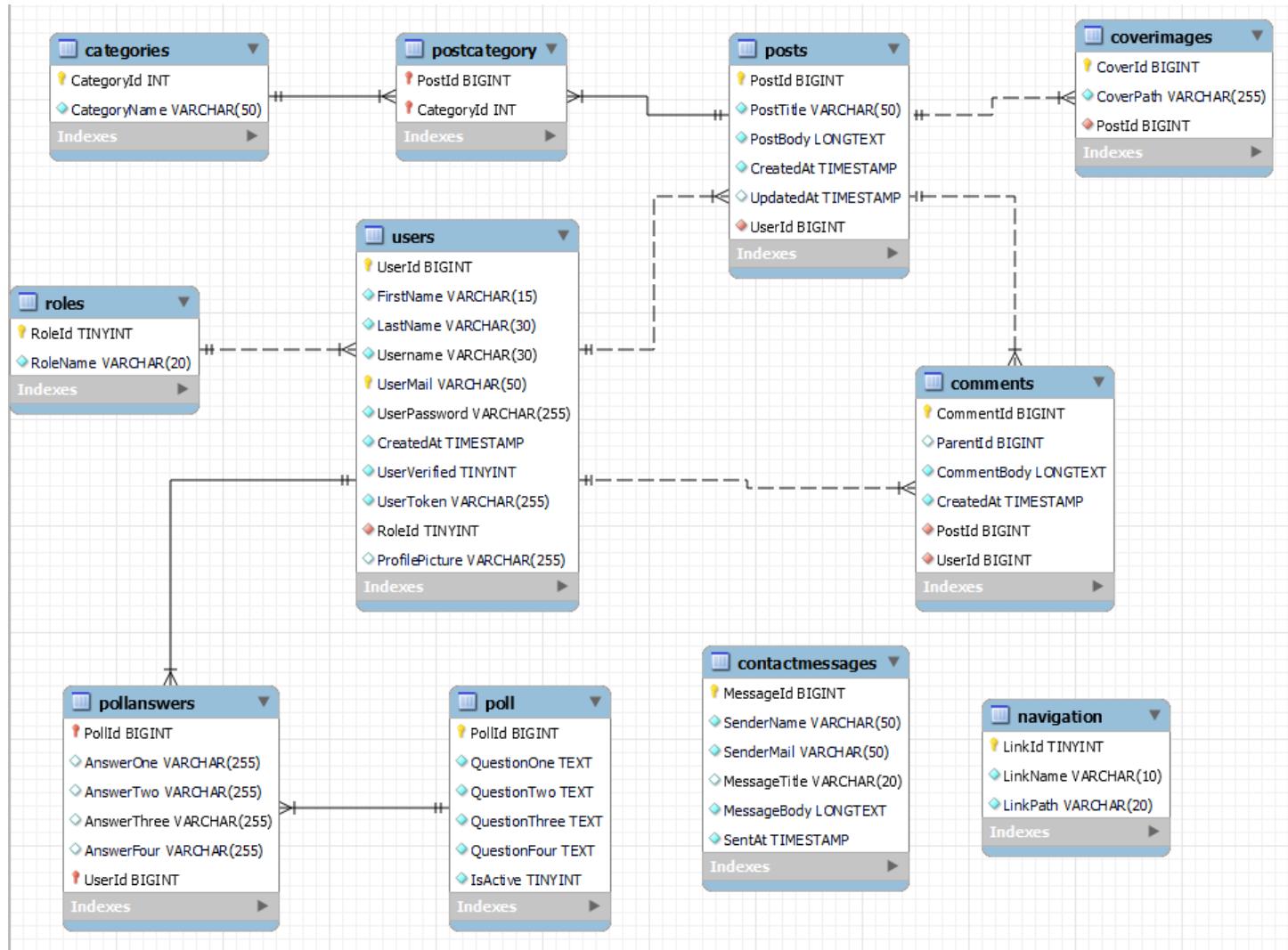


Ip Address	Destination	Request method	Time
212.200.181.89	/index	GET	28-05-2022 00:51:31
212.200.181.89	/index	GET	28-05-2022 00:55:00
212.200.181.89	/index	GET	28-05-2022 00:53:51
212.200.181.89	/login	GET	28-05-2022 00:53:42
212.200.181.89	/register	GET	28-05-2022 00:53:38
212.200.181.89	/index	GET	28-05-2022 00:53:34
212.200.181.89	/index	GET	28-05-2022 00:29:45
212.200.181.89	/index	GET	27-05-2022 14:40:28
178.220.212.23	/index	GET	26-05-2022 20:28:36
178.220.212.23	/posts?categories%5B%5D=2&categories%5B%5D=3&categories%5B%5D=18&categories%5B%5D=27&categories%5B%5D=33	GET	26-05-2022 20:28:19

[FULL LOG](#)

1.4 Организација сајта и база података

Дијаграм базе података



Мапа сајта

sitemap.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <url>
        <loc>http://wireframe.codeus.me/posts</loc>
        <lastmod>2022-03-11</lastmod>
        <changefreq>daily</changefreq>
        <priority>1</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/profile</loc>
        <lastmod>2022-03-11</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.9</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/dashboard/messages</loc>
        <lastmod>2022-03-11</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.9</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/dashboard/index</loc>
        <lastmod>2022-03-07</lastmod>
        <changefreq>weekly</changefreq>
        <priority>0.85</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/dashboard/users</loc>
        <lastmod>2022-03-09</lastmod>
        <changefreq>weekly</changefreq>
        <priority>0.8</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/index</loc>
        <lastmod>2022-03-09</lastmod>
        <changefreq>monthly</changefreq>
        <priority>0.75</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/dashboard/modify</loc>
        <lastmod>2022-03-01</lastmod>
        <changefreq>monthly</changefreq>
        <priority>0.7</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/dashboard/users</loc>
        <lastmod>2022-03-02</lastmod>
        <changefreq>monthly</changefreq>
        <priority>0.7</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/dashboard/surveys</loc>
        <lastmod>2022-03-02</lastmod>
        <changefreq>monthly</changefreq>
        <priority>0.7</priority>
    </url>
    <url>
        <loc>http://wireframe.codeus.me/contact</loc>
        <lastmod>2022-03-01</lastmod>
        <changefreq>yearly</changefreq>
        <priority>0.65</priority>
    </url>
```

```
</url>
<url>
    <loc>http://wireframe.codeus.me/author</loc>
    <lastmod>2022-03-03</lastmod>
    <changefreq>yearly</changefreq>
    <priority>0.5</priority>
</url>
</urlset>
```

Кодови и синтакса

admin/controllers

add_survey.php

```
<?php

$access_method = Request::getMethod();
session_start();

if($access_method !== 'POST' || !isset($_SESSION['user_id']) || $_SESSION['role'] != 1)
    Utilities::redirect('/index');
else
{
    $question = $_POST['add_question'];
    $users = $database->selectRecords('Users');

    $database->insertRecords('Poll', [
        'Question' => $question
    ]);

    $last_poll = $database->selectLastRecords('Poll', 'PollId', 1, 0);
    $last_poll_id = $last_poll[0]->PollId;

    foreach($users as $user)
    {
        $database->insertRecords('PollAnswers', [
            'PollId' => $last_poll_id,
            'Answer' => null,
            'UserId' => $user->UserId
        ]);
    }

    Utilities::redirect('/dashboard/surveys');
}
```

categories-export.php

```
<?php

session_start();

$access_method = Request::getMethod();

if($access_method !== 'GET' || empty($_SESSION['user_id']) || $_SESSION['role'] != 1)
{
}
```

```
Utilities::redirect('/index');

die();

}

header("Content-Disposition: attachment; filename=categories.xls");

header("Content-Type: application/x-msexcel");

header('Content-Type: application/vnd.ms-excel');

header('Expires: 0');

header('Cache-Control: must-revalidate, post-check=0, pre-check=0');

header("Pragma: no-cache");

$categories = $database->selectRecords('Categories');

$export_string = "Category Id\tCategory Name\n";

foreach($categories as $category) {

    $export_string .= $category->CategoryId . "\t" . $category->CategoryName . "\n";

}

echo $export_string;
```

index.php

```
<?php

$page_title = 'Dashboard';
$access_method = Request::getMethod();

session_start();

if($access_method !== 'GET' || empty($_SESSION['user_id']) || $_SESSION['role'] !== 1) Utilities::redirect('/index');
else
{
    $posts_count = $database->getRecordCount('Posts');
    $comment_count = $database->getRecordCount('Comments');
    $categories_count = $database->getRecordCount('Categories');
    $users_count = $database->getRecordCount('Users');

    require 'admin/views/pages/index.view.php';
}
```

messages.php

```
<?php

$page_title = 'Dashboard';
$access_method = Request::getMethod();

session_start();

if($access_method !== 'GET' || empty($_SESSION['user_id']) || $_SESSION['role'] !== 1) Utilities::redirect('/index');
else
{
    if(isset($_GET['delete_message']) && isset($_SESSION['user_id']) && $_SESSION['role'] === 1)
    {
        $message_id = $_GET['delete_message'];
        $database->deleteRecords('ContactMessages', 'MessageId', $message_id);
        Utilities::redirect('/dashboard/messages');
    }
    else if(isset($_GET['view_message']) && isset($_SESSION['user_id']) && $_SESSION['role'] === 1)
    {
        $message_id = $_GET['view_message'];
        $message = $database->selectFilteredRecord('ContactMessages', 'MessageId', $message_id);
        $database->updateRecord('ContactMessages', 'HasRead', 1, 'MessageId', $message_id);
        require 'admin/views/partials/content/view-message.view.php';
    }
    else if(isset($_GET['delete_all']) && isset($_SESSION['user_id']) && $_SESSION['role'] === 1)
    {
        $database->deleteAllRecords('ContactMessages');
        Utilities::redirect('/dashboard/messages');
    }
    else
    {
        $messages = $database->selectRecords('ContactMessages', 1);
        require 'admin/views/pages/index.view.php';
    }
}
```

modify.php

```
<?php

$access_method = Request::getMethod();
session_start();

if($access_method === 'GET' && isset($_SESSION['user_id']) && $_SESSION['role'] === 1)
{
    if(isset($_GET['delete_category']) && isset($_SESSION['user_id']) && $_SESSION['role'] === 1)
    {
        $category_id = $_GET['delete_category'];
        $post_count = $database->selectPostsByCategory([$category_id]);

        if(count($post_count)) Utilities::redirect('/dashboard/modify?exception=You must first delete all posts bound
to this category!');
        else
        {
            $database->deleteRecords('Categories', 'CategoryId', $category_id);
            Utilities::redirect('/dashboard/modify');
        }
    }
    $categories = $database->selectRecords('Categories');
    require 'admin/views/pages/index.view.php';
}
else
{
    $new_category = $_POST['add_category'];
    if(empty($new_category) || !preg_match('/^([a-zA-Z0-9\#\s\.]{2,50})$/i', $new_category))
        Utilities::redirect('/dashboard/modify?error=Provide the name for new category!');
    else
    {
        $database->insertRecords('Categories', [
            'CategoryName' => $new_category
        ]);

        Utilities::redirect('/dashboard/modify');
    }
}
```

posts.php

```
<?php

$page_title = 'Dashboard';
$access_method = Request::getMethod();

session_start();

if(empty($_SESSION['user_id']) || $_SESSION['role'] !== 1) Utilities::redirect('/index');
else if($access_method === 'POST')
{
    $str_json = file_get_contents('php://input');
    $decoded_json = json_decode($str_json, false);
    $post_id = $decoded_json->post_id;
    $database->updateRecord('Posts', 'Approved', 1, 'PostId', $post_id);
}
else
{
    $posts = $database->selectFilteredRecords('Posts', 'Approved', 0);
    require 'admin/views/pages/index.view.php';
}
```

surveys.php

```
<?php

$page_title = 'Dashboard';
$access_method = Request::getMethod();

session_start();

if(empty($_SESSION['user_id']) || $_SESSION['role'] !== 1) Utilities::redirect('/index');
else if($access_method === 'POST')
{
    $str_json = file_get_contents('php://input');
    $decoded_json = json_decode($str_json, false);
    $survey_id = $decoded_json->survey_id;
    $database->updateRecord('Poll', 'IsActive', 0, 'PollId', $survey_id);
}
else
{
    $surveys = $database->selectRecords('Poll');
    require 'admin/views/pages/index.view.php';
}
```

users.php

```
<?php
$page_title = 'Dashboard';
$access_method = Request::getMethod();

session_start();
if(empty($_SESSION['user_id']) || $_SESSION['role'] !== 1) Utilities::redirect('/index');
```

```

else if($access_method === 'POST')
{
    $str_json = file_get_contents('php://input');
    $decoded_json = json_decode($str_json, false);
    $role_id = $decoded_json->role_id;
    $user_id = $decoded_json->user_id;
    $database->updateRecord('Users', 'RoleId', $role_id, 'UserId', $user_id);
}
else
{
    $users = $database->selectRecords('Users');
    $roles = $database->selectRecords('Roles');
    require 'admin/views/pages/index.view.php';
}

```

admin/views

index.view.php

```

<?php
    $uri = substr(Request::getUri(), strpos(Request::getUri(), '/') + 1, strlen(Request::getUri()));
?>
<?php require 'admin/views/partials/main/head.php' ?>
<?php require 'admin/views/partials/main/sidenav.php' ?>
<div class="container">
    <nav class="mb-3">
        <div class="nav-wrapper blue lighten-1 pl-1">
            <div class="col s12">
                <a href="/dashboard/index" class="breadcrumb">Dashboard</a>
                <a href="/dashboard/<?= $uri ?>" class="breadcrumb page-name">
                    <?= $uri ?>
                </a>
            </div>
        </div>
        <?php require 'admin/views/partials/content/' . $uri . '.view.php' ?>
    </div>
<?php require 'admin/views/partials/main/footer.php' ?>

```

head.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="/public/css/style.css" />
    <!-- Compiled and minified CSS -->
    <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css" />
    <script type="text/javascript" src="/public/js/main.js" defer></script>
    <title>Dashboard</title>
</head>
<body>

```

footer.php

```
<!-- jQuery -->
<script src="https://code.jquery.com/jquery-3.6.0.min.js"
integrity="sha256-/xUj+3OJU5yEx1q6GSYGSK7tPXikynS7ogEvDej/m4=" crossorigin="anonymous"></script>
<!-- Compiled and minified JavaScript -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>
<script>
    $(document).ready(function(){
        $('.sidenav').sidenav()
    })
</script>
</body>
</html>
```

sidenav.php

```
<?php
    $links = $database->selectRecords('Navigation');
?>
<ul id="slide-out" class="sidenav show-on-small-only grey lighten-3">
    <?php for($i = 9; $i < count($links); $i++) : ?>
        <li>
            <a href="<?= $links[$i]->LinkPath ?>">
                <?= $links[$i]->LinkName ?>
            </a>
        </li>
    <?php endfor ?>
    <li>
        <a href="/index">Return to WireFrame</a>
    </li>
</ul>
<div class="row blue lighten-1 p-1 center">
    <a data-target="slide-out" class="sidenav-trigger left">
        <i class="material-icons white-text small">menu</i>
    </a>
    <b class="white-text">ADMIN PANEL v1.0.0</b>
</div>
```

admin/views/content

index.view.php

```
<div class="row info-cards">
    <div class="col s12 m5 l2 offset-l1 stats-card">
        <i class="material-icons blue-text text-lighten-1 medium">account_box</i>
        <p>
            <?= $users_count->Rows ?>
        </p>
        <p>Users</p>
    </div>
    <div class="col s12 m5 offset-m2 l2 offset-l2 stats-card">
        <i class="material-icons blue-text text-lighten-1 medium">speaker_notes</i>
        <p>
            <?= $posts_count->Rows ?>
        </p>
        <p>Topics</p>
    </div>
    <div class="col s12 m5 l2 offset-l2 stats-card">
```

```

<i class="material-icons blue-text text-lighten-1 medium">comment</i>
<p>
    <?= $comment_count->Rows ?>
</p>
<p>Comments</p>
</div>
<div class="col s12 m5 offset-m2 l2 offset-l1 stats-card">
    <i class="material-icons blue-text text-lighten-1 medium">assessment</i>
    <p>
        <?= $categories_count->Rows ?>
    </p>
    <p>Categories</p>
</div>
<div class="col s12 m5 l2 offset-l2 stats-card">
    <i class="material-icons blue-text text-lighten-1 medium">get_app</i>
    <p>
        +300
    </p>
    <p>Materials</p>
</div>
<div class="col s12 m5 offset-m2 l2 offset-l2 stats-card">
    <i class="material-icons blue-text text-lighten-1 medium">mood</i>
    <p>
        +10.000
    </p>
    <p>Visitors</p>
</div>
</div>

```

messages.view.php

```





```

```

        <a href="/dashboard/messages?delete_message=<?= $message->MessageId ?>">
            <i class="material-icons red-text">close</i>
        </a>
    </td>
</tr>
<?php endforeach ?>
<?php else : ?>
<tr>
    <td colspan="5">No messages found!</td>
</tr>
<?php endif ?>
</tbody>
</table>
<?php if(!empty($messages)) : ?>
    <a href="/dashboard/messages?delete_all=1" class="btn red">
        EMPTY INBOX
    </a>
<?php endif ?>

```

modify.view.php

```

<?php if(isset($_GET['exception'])) : ?>
    <span class="p-3 right red-text red lighten-3 text-darken-3">
        <?= $_GET['exception'] ?>
    </span>
<?php endif ?>
<h4 class="mb-3">Add or remove categories</h4>
<div class="row">
    <button id="addCategoryBtn" class="btn blue lighten-1">
        <i class="material-icons">add</i>
    </button>
    <form action="/dashboard/modify" method="POST">
        <div id="addCategoryField" class="input-field col 16 right <?= empty($_GET['error']) ? 'hide' : '' ?>">
            <input id="addCategory" name="add_category" type="text" />
            <label for="addCategory">Add category</label>
            <button type="submit" class="btn blue lighten-1"><i class="material-icons">add</i></button>
        <?php if(isset($_GET['error'])) : ?>
            <span class="red-text">
                <?= $_GET['error'] ?>
            </span>
        <?php endif ?>
        </div>
    </form>
</div>

<table class="highlight striped centered mb-3">
    <thead>
        <tr>
            <td class="center">CategoryId</td>
            <td class="center">Category name</td>
            <td class="center">Remove</td>
        </tr>
    </thead>
    <tbody>
        <?php foreach($categories as $category) : ?>
            <tr>
                <td>
                    <?= $category->CategoryId ?>
                </td>
                <td>
                    <?= $category->CategoryName ?>

```

```

        </td>
        <td>
            <a class="delete-category" href="/dashboard/modify?delete_category=<?= $category->CategoryId ?>">
                <i class="material-icons red-text">close</i>
            </a>
        </td>
    </tr>
<?php endforeach ?>
</tbody>
</table>

```

posts.view.php

```


|                            |                          |                           |                          |                                                                   |
|----------------------------|--------------------------|---------------------------|--------------------------|-------------------------------------------------------------------|
| PostId                     | PostTitle                | PostAutor                 | CreatedAt                | Approve                                                           |
| No pending requests found! |                          |                           |                          |                                                                   |
| <?= \$post->PostId ?>      | <?= \$post->PostTitle ?> | <?= \$writer->Username ?> | <?= \$post->CreatedAt ?> | <i class="white approve-post material-icons green-text">check</i> |


```

surveys.view.php

```

<h4 class="mb-3">Add or deactivate surveys</h4>
<div class="row">
    <button id="addQuestion" class="btn blue lighten-1">
        <i class="material-icons">add</i>
    </button>
    <form action="/dashboard/add_survey" method="POST">
        <div id="addQuestionField" class="input-field col 16 right <?= empty($_GET['error']) ? 'hide' : '' ?>">
            <input id="addQuestionInput" name="add_question" type="text" />
            <label for="addQuestionInput">Ask them something</label>
            <button type="submit" class="btn blue lighten-1">
                <i class="material-icons">add</i>
            </button>
        </div>
    </form>
</div>

```

```

        </div>
    </form>
</div>



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| SurveyId                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Question | IsActive |
| No surveys found!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |
| <?php foreach(\$surveys as \$survey) : ?>     <?php \$answers = \$database->selectPollAnswers(\$survey->PollId) ?>      <tr>         <td><?= \$survey->PollId ?></td>         <td>             <?= \$survey->Question ?>             -             <?php foreach(\$answers as \$answer) : ?>                 <?= \$answer->Answer . ' - ' . \$answer->Result ?>             <?php endforeach ?>         </td>         <td>             <?php if(\$survey->IsActive) : ?>                 <i class="white deactivate-survey material-icons green-text">check</i>             <?php else : ?>                 <i class="material-icons red-text">close</i>             <?php endif ?>         </td>     </tr> <?php endforeach ?> <?php endif ?> |          |          |


```

users.view.php

```


|                                                                                                                                                                                                                                                                                                                                                                        |          |        |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------|
| </td>                                                                                                                                                                                                                                                                                                                                                                  | Username | Joined | Role |
| <?php foreach(\$users as \$user) : ?>     <tr>         <td></td>         <td><?= \$user->Username ?></td>         <td><?= \$user->CreatedAt ?></td>         <td>             <select name="role" class="role-change">                 <?php foreach(\$roles as \$role) : ?> |          |        |      |


```

```

        <option value="= $role-&gt;RoleId ?&gt;" &lt;?= $role-&gt;RoleId === $user-&gt;RoleId ? 'selected' : ''&gt;
?&gt;&lt;?= $role-&gt;RoleName ?&gt;&lt;/option&gt;
        &lt;?php endforeach ?&gt;
    &lt;/select&gt;
&lt;/td&gt;
&lt;/tr&gt;
&lt;?php endforeach ?&gt;
&lt;/tbody&gt;
&lt;/table&gt;
</pre

```

view-messages.view.php

```

<?php
    $uri = substr(Request::getUri(), strpos(Request::getUri(), '/') + 1, strlen(Request::getUri()));
?>
<?php require 'admin/views/partials/main/head.php' ?>
<?php require 'admin/views/partials/main/sidenav.php' ?>
<div class="container">
    <nav class="mb-3">
        <div class="nav-wrapper blue lighten-1 pl-1">
            <div class="col s12">
                <a href="/dashboard/index" class="breadcrumb">Dashboard</a>
                <a href="/dashboard/<?= $uri ?>" class="breadcrumb page-name">
                    <?= $uri ?>
                </a>
                <span class="breadcrumb page-name">
                    <?= $message->MessageTitle ?>
                </span>
            </div>
        </div>
    </nav>
    <a href="/dashboard/messages" class="btn blue">BACK</a>
    <a href="/dashboard/messages?delete_message=<?= $_GET['view_message'] ?>" class="btn red">DELETE</a>
    <h4>
        Title: <?= $message->MessageTitle ?>
    </h4>
    <p class="mb-3 pl-1">
        <?= $message->MessageBody ?>
    </p>
    <small>
        SentAt: <?= $message->CreatedAt ?>, by <?= $message->SenderMail ?>
    </small>
</div>
<?php require 'admin/views/partials/main/footer.php' ?>

```

config

config.php

```
<?php
    return [
        'host' => 'xxxxx',
        'dbname' => 'xxxxx',
        'username' => 'xxxxx',
        'password' => 'xxxxx',
        'options' => [
            PDO::ATTR_ERRMODE => PDO::ERRMODE_EXCEPTION
        ]
    ];
];
```

main

index.php

```
<?php
$database = require 'core/bootstrap.php';
require Router::loadRoutes('routes/routes.php')
->direct(Request::getUri(), Request::getMethod());
```

routes

routes.php

```
<?php

$router->GET('index', 'controllers/index');

$router->GET('contact', 'controllers/contact');

$router->GET('author', 'controllers/author');

$router->GET('posts', 'controllers/posts/posts');

$router->GET('export', 'controllers/biography-export');

$router->GET('profile', 'controllers/user/profile');

$router->GET('survey', 'controllers/user/survey');
```

```
$router->GET('register', 'controllers/authentication/registration');

$router->GET('login', 'controllers/authentication/login');

$router->GET('logout', 'controllers/authentication/logout');

$router->GET('verify', 'controllers/validations/verify');

$router->GET('posts-api', 'controllers/posts/posts-api');

$router->POST('posts-api', 'controllers/posts/posts-api');

$router->GET('delete-post', 'controllers/posts/delete-post');

$router->GET('create-post', 'controllers/posts/create-post');

$router->GET('view-post', 'controllers/posts/view-post');

$router->GET('edit-post', 'controllers/posts/edit-post');

$router->GET('search', 'controllers/posts/search');

$router->GET('delete-comment', 'controllers/posts/delete-comment');

$router->POST('register', 'controllers/authentication/registration');

$router->POST('login', 'controllers/authentication/login');

$router->POST('create-post', 'controllers/posts/create-post');

$router->POST('edit-post', 'controllers/posts/edit-post');

$router->POST('update-image', 'controllers/user/update-image');

$router->POST('comment', 'controllers/posts/comment');

$router->POST('contact', 'controllers/contact');

$router->GET('dashboard/index', 'admin/controllers/index');

$router->GET('dashboard/admin', 'admin/controllers/profile');

$router->GET('dashboard/users', 'admin/controllers/users');

$router->GET('dashboard/posts', 'admin/controllers/posts');
```

```
$router->GET('dashboard/messages', 'admin/controllers/messages');

$router->GET('dashboard/surveys', 'admin/controllers/surveys');

$router->GET('dashboard/modify', 'admin/controllers/modify');

$router->GET('log', 'private/export-log');

$router->GET('export-categories', 'admin/controllers/categories-export');

$router->POST('dashboard/modify', 'admin/controllers/modify');

$router->POST('dashboard/surveys', 'admin/controllers/surveys');

$router->POST('dashboard/add_survey', 'admin/controllers/add_survey');

$router->POST('dashboard/users', 'admin/controllers/users');

$router->POST('dashboard/posts', 'admin/controllers/posts');

$router->POST('surveys', 'controllers/surveys');
```

core

bootstrap.php

```
<?php

$configuration = require 'config/config.php';

require 'Router.php';
require 'vendor/autoload.php';
require 'Utilities.php';
require 'Request.php';
require 'database/Connection.php';
require 'database/QueryBuilder.php';

return new QueryBuilder(
    Connection::Connect($configuration)
);
```

Request.php

```
<?php

class Request
{
    public static function getUri()
    {
        $uri = trim($_SERVER['REQUEST_URI'], '/');
        if(strpos($uri, '?')) return substr($uri, 0, strpos($uri, '?')));
        return $uri;
    }

    public static function getMethod()
    {
        return $_SERVER['REQUEST_METHOD'];
    }
}
```

Router.php

```
<?php

class Router
{
    private $routes = [
        'GET' => [],
        'POST' => []
    ];

    public static function loadRoutes($file)
    {
        $router = new static;

        require $file;

        return $router;
    }

    public function GET($uri, $controller)
    {
        $this->routes['GET'][$uri] = $controller . '.php';
    }

    public function POST($uri, $controller)
    {
        $this->routes['POST'][$uri] = $controller . '.php';
    }

    public function direct($uri, $method)
    {
        if(array_key_exists($uri, $this->routes[$method]))
        {
            return $this->routes[$method][$uri];
        }

        else Utilities::redirect('/index');
    }
}
```

Utilities.php

```
<?php

class Utilities
{
    private $expressions = [
        'Password' => '/^[A-Z]{1}[a-z0-9!@#$%^&*]{7,19}$/,
        'Mail' =>
'/^([a-zA-Z0-9]([a-z]|[0-9])+\.?-?_?([a-z]|[0-9])*\.?([a-z]|[0-9])*@[a-z]{3,}\.([a-z]{2,4}\.)?([a-z]{2,4})$/' ,
        'FirstName' => '/^([A-Z]{1}[a-z]{2,14})$/' ,
        'LastName' => '/^([A-Z]{1}[a-z]{4,29})$/' ,
        'Username' => '/^([a-z]{1})[a-zA-Z0-9]{4,29}$/' ,
        'UserId' =>
'/^(([a-zA-Z0-9]([a-z]|[0-9])+\.?-?_?([a-z]|[0-9])*\.?([a-z]|[0-9])*@[a-z]{3,}\.([a-z]{2,4}\.)?([a-z]{2,4}))|(([a-zA-Z0-9]{1})[a-zA-Z0-9]{4,29}))$/' ;
    ];

    public static function dieDump($variable)
    {
        die(var_dump($variable));
    }

    public static function redirect($location)
    {
        return header("location: {$location}");
    }

    public static function checkRegex($value, $name)
    {
        $utility = new static;

        if(preg_match($utility->expressions[$name], $value)) return true;

        return false;
    }
}
```

core/database

Connection.php

```
<?php
class Connection
{
    public static function Connect($cfg)
    {
        try
        {
            return new PDO
            (
                'mysql:host=' . $cfg['host'] . ';'.
                'dbname=' . $cfg['dbname'],
                $cfg['username'],
                $cfg['password']
            );
        }
        catch (PDOException $exception)
        {
            Utilities::dieDump($exception->getMessage());
        }
    }
}
```

QueryBuilder.php

```
<?php
class QueryBuilder
{
    private $pdo;

    public function __construct($pdo)
    {
        $this->pdo = $pdo;
    }

    public function selectRecords($table, $order = 0, $limt = 0, $from = 0, $approved = 0)
    {
        $query = sprintf(
            'SELECT * FROM %s %s %s %s',
            $table,
            $approved ? 'WHERE Approved = 1' : '',
            $order ? 'ORDER BY CreatedAt DESC' : '',
            $limt ? 'LIMIT ' . $from . ', 5' : ''
        );

        try
        {
            $statement = $this->pdo->prepare($query);

            $statement->execute();

            return $statement->fetchAll(PDO::FETCH_CLASS);
        }

        catch (PDOException $exception)
        {
            Utilities::dieDump($exception->getMessage());
        }
    }

    public function selectLastRecords($table, $orderBy, $quantity, $approved = 0)
    {
        $query = sprintf(
            'SELECT * FROM %s %s ORDER BY %s DESC LIMIT %s',
            $table,
            $approved ? 'WHERE Approved = 1' : '',
            $orderBy,
            $quantity
        );

        try
        {
            $statement = $this->pdo->prepare($query);

            $statement->execute();

            return $statement->fetchAll(PDO::FETCH_CLASS);
        }

        catch (PDOException $exception)
        {
            Utilities::dieDump($exception->getMessage());
        }
    }

    public function selectFilteredRecord($table, $column, $condition)
```

```
{  
    $query = sprintf(  
        'SELECT * FROM %s WHERE %s = \'%s\' ',  
        $table,  
        $column,  
        $condition  
    );  
  
    try  
    {  
        $statement = $this->pdo->prepare($query);  
  
        $statement->execute();  
  
        return $statement->fetch(PDO::FETCH_OBJ);  
    }  
  
    catch (PDOException $exception)  
    {  
        Utilities::dieDump($exception->getMessage());  
    }  
}  
  
public function selectFilteredRecords($table, $column, $condition)  
{  
    $query = sprintf(  
        'SELECT * FROM %s WHERE %s = \'%s\' ',  
        $table,  
        $column,  
        $condition  
    );  
  
    try  
    {  
        $statement = $this->pdo->prepare($query);  
  
        $statement->execute();  
  
        return $statement->fetchAll(PDO::FETCH_CLASS);  
    }  
  
    catch (PDOException $exception)  
    {  
        Utilities::dieDump($exception->getMessage());  
    }  
}  
  
public function selectCategoriesOfPost($post_id)  
{  
    $query = sprintf(  
        'SELECT Categories.CategoryName  
        FROM Categories  
        INNER JOIN PostCategory ON Categories.CategoryId = PostCategory.CategoryId  
        WHERE PostCategory.PostId = \'%s\'',  
        $post_id,  
    );  
  
    try  
    {  
        $statement = $this->pdo->prepare($query);  
  
        $statement->execute();  
  
        return $statement->fetchAll(PDO::FETCH_CLASS);  
    }  
  
    catch (PDOException $exception)
```

```
{  
    Utilities::dieDump($exception->getMessage());  
}  
  
}  
  
public function selectPostsByCategory($categories)  
{  
    $query = sprintf(  
        'SELECT DISTINCT Posts.PostId, Posts.PostTitle, Posts.PostBody, Posts.CreatedAt, Posts.UserId  
        FROM Posts  
        INNER JOIN PostCategory ON Posts.PostId = PostCategory.PostId  
        WHERE PostCategory.CategoryId IN (%s) AND Posts.Approved = 1  
        ORDER BY CreatedAt DESC',  
        implode(', ', $categories),  
    );  
  
    try  
    {  
        $statement = $this->pdo->prepare($query);  
  
        $statement->execute();  
  
        return $statement->fetchAll(PDO::FETCH_CLASS);  
    }  
  
    catch (PDOException $exception)  
    {  
        Utilities::dieDump($exception->getMessage());  
    }  
}  
  
public function selectComments($postId)  
{  
    $query = sprintf(  
        'SELECT Users.UserId, CONCAT(Users.FirstName , " " , Users.LastName) AS \'FullName\', Users.UserName,  
        Users.ProfilePicture, Comments.CommentId, Comments.ParentId, Comments.CommentBody, Comments.PostId, Comments.CreatedAt  
        FROM Users  
        INNER JOIN Comments ON Users.UserId = Comments.UserId  
        WHERE PostId = %s  
        ORDER BY Comments.CreatedAt DESC',  
        $postId  
    );  
  
    try  
    {  
        $statement = $this->pdo->prepare($query);  
  
        $statement->execute();  
  
        return $statement->fetchAll(PDO::FETCH_CLASS);  
    }  
  
    catch (PDOException $exception)  
    {  
        Utilities::dieDump($exception->getMessage());  
    }  
}  
  
public function selectReplies($post_id, $parent_id)  
{  
    $query = sprintf(  
        'SELECT Users.UserId, Users.FirstName, Users.LastName, Users.UserName, Users.ProfilePicture,  
        Comments.CommentId, Comments.ParentId, Comments.CommentBody, Comments.PostId, Comments.CreatedAt  
        FROM Users INNER JOIN Comments ON Users.UserId = Comments.UserId  
        WHERE Comments.PostId = %s AND Comments.ParentId = %s',  
        $post_id, $parent_id  
    );  
}
```

```
        GROUP BY Comments.CommentId, Users.UserId, Users.FirstName, Users.LastName, Users.UserName,
Users.ProfilePicture, Comments.ParentId, Comments.CommentBody, Comments.PostId, Comments.CreatedAt',
        $post_id,
        $parent_id
    );

    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();

        return $statement->fetchAll(PDO::FETCH_CLASS);
    }

    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}

public function getRecordCount($table)
{
    $query = sprintf('SELECT COUNT(*) AS "Rows" FROM %s', $table);

    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();

        return $statement->fetch(PDO::FETCH_OBJ);
    }
    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}

public function selectUser($id)
{
    $query = sprintf(
        'SELECT *
        FROM Users
        WHERE Username = \'%s\' OR UserMail = \'%s\' OR UserId = \'%s\' ',
        $id,
        $id,
        $id
    );

    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();

        return $statement->fetch(PDO::FETCH_OBJ);
    }

    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}

public function insertRecords($table, $parameters)
{
```

```
$query = sprintf(
    'INSERT INTO %s (%s) VALUES (%s)',
    $table,
    implode(', ', array_keys($parameters)),
    ':' . implode(', :', array_keys($parameters))
);

try
{
    $statement = $this->pdo->prepare($query);

    $statement->execute($parameters);
}

catch (PDOException $exception)
{
    Utilities::dieDump($exception->getMessage());
}

public function updateRecord($table, $column, $newValue, $condition, $conditionValue)
{
    $query = sprintf(
        'UPDATE %s SET %s = "%s" WHERE %s = \'%s\' ',
        $table,
        $column,
        $newValue,
        $condition,
        $conditionValue
    );

    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();
    }

    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}

public function updateAnswer($answer, $poll_id, $user_id)
{
    $query = sprintf(
        'UPDATE PollAnswers SET Answer = \'%s\' WHERE PollId = \'%s\' AND UserId = \'%s\' ',
        $answer,
        $poll_id,
        $user_id
    );
    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();
    }

    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}
```

```
public function updatePostBody($new_value, $condition_value)
{
    $query = sprintf(
        'UPDATE Posts SET PostBody = :body WHERE PostId = "%s" ',
        $condition_value
    );

    try
    {
        $statement = $this->pdo->prepare($query);
        $statement->bindParam(':body', $new_value);
        $statement->execute();
    }
    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}

public function deleteRecords($table, $column, $value)
{
    $query = sprintf(
        'DELETE FROM %s WHERE %s = %s',
        $table,
        $column,
        $value
    );
    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();
    }
    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}

public function deleteAllRecords($table)
{
    $query = sprintf(
        'DELETE FROM %s',
        $table
    );

    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();
    }
    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}

public function selectPolls($user_id)
{
    $query = sprintf(
        'SELECT *
        FROM Poll
        LEFT JOIN PollAnswers ON Poll.PollId = PollAnswers.PollId
        WHERE (PollAnswers.UserId = \'%s\' AND PollAnswers.Answer IS NULL) AND Poll.IsActive = 1',
        $user_id
    );
}
```

```
try
{
    $statement = $this->pdo->prepare($query);

    $statement->execute();

    return $statement->fetchAll(PDO::FETCH_CLASS);
}

catch (PDOException $exception)
{
    Utilities::dieDump($exception->getMessage());
}

public function selectPollAnswers($poll_id)
{
    $query = sprintf(
        'SELECT Answer, Count(UserId) AS Result
        FROM PollAnswers
        WHERE PollId = %s AND Answer IS NOT NULL
        GROUP BY Answer',
        $poll_id
    );

    try
    {
        $statement = $this->pdo->prepare($query);

        $statement->execute();

        return $statement->fetchAll(PDO::FETCH_CLASS);
    }

    catch (PDOException $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}
```

views/authentication

login.view.php

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container mb-5">
    <h1>Log In</h1>
</div>

<div class="container mb-5">
    <div class="container">
        <div class="container">
            <form action="/login" method="POST" id="loginForm">
                <div class="input-field mb-3">
                    <input id="userId" placeholder="Type here ..." name="user_id" type="text" value=<?=
!empty($errors['password']) ? $values['credentials'] : '' ?>" />
                    <label for="userId">Username or E-mail</label>
                    <?php if(isset($errors['credentials'])) : ?>
                        <span class="red-text">
                            <?= $errors['credentials'] ?>
                        </span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field mb-1">
                    <input id="userPassword" placeholder="Enter your password ..." name="user_password"
type="password" />
                    <label for="userPassword">Password</label>
                    <?php if(isset($errors['password'])) : ?>
                        <span class="red-text">
                            <?= $errors['password'] ?>
                        </span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="row mb-3 center">
                    <button class="btn btn-large blue lighten-1 waves-effect waves-light" name="login_user"
id="loginButton">Log In</button>
                </div>
                <div class="row center">
                    Don't have an account? <a href="/register" class="link">Register</a>
                </div>
            </form>
        </div>
    </div>
</div>
<?php require 'resources/views/partials/footer.php' ?>
```

[registration.view.php](#)

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container mb-5">
    <h1>Register</h1>
</div>

<div class="container mb-5">
    <div class="container">
        <div class="container">
            <form action="/register" method="POST" id="registrationForm">
                <div class="input-field mb-3">
                    <input id="firstName" placeholder="e.g. John" name="first_name" type="text" value="<?=
isset($values['firstname']) ? $values['firstname'] : '' ?>" />
                    <label for="firstName">First name</label>
                    <?php if(isset($errors['firstname'])) : ?>
                        <span class="red-text">
                            <?= $errors['firstname'] ?>
                        </span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field mb-3">
                    <input id="lastName" placeholder="e.g. Doe" name="last_name" type="text" value="<?=
isset($values['lastname']) ? $values['lastname'] : '' ?>" />
                    <label for="lastName">Last name</label>
                    <?php if(isset($errors['lastname'])) : ?>
                        <span class="red-text">
                            <?= $errors['lastname'] ?>
                        </span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field mb-3">
                    <input id="userName" placeholder="e.g. john doe" name="user_name" type="text" value="<?=
isset($values['username']) ? $values['username'] : '' ?>" />
                    <label for="userName">Username</label>
                    <?php if(isset($errors['username'])) : ?>
                        <span class="red-text">
                            <?= $errors['username'] ?>
                        </span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field mb-3">
                    <input id="userMail" placeholder="e.g. john.doe@example.com" name="user_mail" type="email"
value="<?= isset($values['usermail']) ? $values['usermail'] : '' ?>" />
                    <label for="userMail">E-Mail</label>
                    <?php if(isset($errors['usermail'])) : ?>
                        <span class="red-text">
                            <?= $errors['usermail'] ?>
                        </span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field mb-3">
                    <input id="password" placeholder="Min. 8 chars, one capital, one symbol! (max. - 20)" name="password" type="password" />
                </div>
            </form>
        </div>
    </div>
</div>
```

```

<label for="password">Password</label>
<?php if(isset($errors['password'])) : ?>
    <span class="red-text">
        <?= $errors['password'] ?>
    </span>
<?php else : ?>
    <span></span>
<?php endif ?>
</div>
<div class="input-field mb-3">
    <input id="rePassword" placeholder="Repeat password" name="re_password" type="password" />
    <label for="rePassword">Re-enter password</label>
    <?php if(isset($errors['re_password'])) : ?>
        <span class="red-text">
            <?= $errors['re_password'] ?>
        </span>
    <?php else : ?>
        <span></span>
    <?php endif ?>
</div>
<div class="row mb-3 center">
    <button class="btn btn-large blue lighten-1 waves-effect waves-light" name="register_user" id="registerButton">REGISTER</button>
    </div>
    <div class="row center">
        Already have an account? <a href="/login" class="link">Log In</a>
    </div>
</form>
</div>
</div>
<?php require 'resources/views/partials/footer.php' ?>
```

verify.view.php

```

<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container">
    <div class="container verify-container center">
        <?php if(isset($token)) : ?>
            
            <h3>Thank you for your registration!</h3>
            <h4>Your account has been validated!</h4>
        <?php else : ?>
            
            <h3>Thank you for your registration!</h3>
            <h4>Please, check your email for the verification token!</h4>
        <?php endif ?>
    </div>
</div>
<?php require 'resources/views/partials/footer.php' ?>
```

views/pages

author.view.php

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
</main>
    <div class="parallax-container container2">
        <div class="parallax">
            
        </div>
        <div class="container">
            <h1 class="white-text center">author</h1>
        </div>
    </div>

    <section class="section blue lighten-7 p-0">

        <div class="cross-section"></div>

        <div class="container">
            <div class="row">
                <div class="col s12 m6 l4 offset-l2">
                    
                </div>
                <div class="flow-text col s12 m6 l6">
                    <blockquote class="quote-border">Hello,</blockquote>
                    my name is Lazar Lalović. I am 22 years old. I was born in Zvornik and raised in a small town
                    called Milići,
                    Serbian Republic. Now, I am a second-year student at: "College of Vocational Studies for
                    Information and Communication Technologies",
                    where I am majoring in Web programming.
                    <br />
                    <br />
                    <a target="_blank" href="https://laxon17.github.io/portfolio" class="btn btn-large blue lighten-1
waves-effect waves-light">More about me</a>
                </div>
            </div>
        </div>

        <div class="cross-section opposite"></div>

    </section>
</main>
<?php require 'resources/views/partials/footer.php' ?>
```

contact.view.php

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>

<?php
    $user = $database->selectFilteredRecord('Users', 'UserId', $_SESSION['user_id']);
?>

<div class="container mb-5">
    <h2>
        <?= 'Hello, write us a message!' ?>
```

```
</h2>
<?php if(isset($_GET['success'])) : ?>
    <span class="green lighten-5 p-1 green-text text-darken-4 center">
        <?= $_GET['success'] ?>
    </span>
<?php endif ?>
</div>

<div class="container">
    <div class="container">
        <div class="container center">
            <form action="/contact" method="POST" id="loginForm">
                <div class="row">
                    <div class="col 16 pl-0">
                        <div class="input-field mb-2">
                            <input id="contactMail" name="contact_mail" type="email" value="<?= isset($user) ? $user->UserMail : '' ?>" required />
                            <label for="contactMail">E-Mail</label>
                            <?php if(isset($errors['credentials'])) : ?>
                                <span class="red-text">
                                    <?= $errors['credentials'] ?>
                                </span>
                            <?php else : ?>
                                <span></span>
                            <?php endif ?>
                        </div>
                    </div>
                    <div class="col 16 pr-0">
                        <div class="input-field mb-2">
                            <input id="messageTitle" name="message_title" type="text" />
                            <label for="messageTitle">Message Title</label>
                        </div>
                    </div>
                </div>
                <div class="input-field mb-1">
                    <textarea name="message_body" class="materialize-textarea" id="messageBody" required></textarea>
                    <label for="messageBody">Write us something...</label>
                    <?php if(isset($errors['message'])) : ?>
                        <span class="red-text">
                            <?= $errors['message'] ?>
                        </span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="row mb-3 center">
                    <button class="btn btn-large blue lighten-1 waves-effect waves-light" name="send_message" id="sendButton">SEND</button>
                </div>
            </form>
        </div>
    </div>
<?php require 'resources/views/partials/footer.php' ?>
```

index.view.php

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>

<div class="parallax-container">
    <div class="parallax">
        
    </div>
    <div class="container center">
        <h1 class="white-text">
            <?= empty($user_info->FirstName) ? 'Welcome!' : 'Hello ' . $user_info->FirstName . '! How are you
today?' ?>
        </h1>
    </div>
</div>
<div class="section white p-5">
    <div class="row container center">
        <h2 class="header">Welcome to WireFrame</h2>
        <p class="grey-text text-darken-3 lighten-3">
            The Developer's Blog to Keep You at the Top of Your Game.
        </p>
    </div>
</div>
<div class="parallax-container">
    <div class="parallax">
        
    </div>
</div>
<div class="section white p-5">
    <div class="row container">
        <h2 class="header">Stay informed!</h2>
        <p class="grey-text text-darken-3 lighten-3">
            The field of software engineering is constantly developing. (ba dum tss) With tech, frameworks, and
programming best practices changing every day—even the best developers risk falling behind.
        <br />
        <br />
            Nobody really wants to dedicate large chunks of their time to continued education. We get that. Fortunately,
the internet is littered with developer blogs. And, while we here at WireFrame are anti-littering, we are definitely
pro-innovation, pro-growth and pro-learning from the trials and errors of others so we don't have to waste time ourselves.
        </p>
    </div>
</div>
<div class="parallax-container">
    <div class="parallax">
        
    </div>
</div>
<div class="section white p-5">
    <div class="row container">
        <h2 class="header">Interested in writing?</h2>
        <p class="grey-text text-darken-3 lighten-3">
            Simply create a profile and start writing programming topics, to help future generations!
        <br />
        <br />
            Join us, and we will change and create the web together!
        <br />
        <br />
            <a href="/register" class="btn btn-medium blue lighten-1 waves-effect waves-light">Register</a>
        </p>
    </div>
</div>
<div class="parallax-container">
```

```
<div class="parallax">
    
</div>
</div>
<?php require 'resources/views/partials/footer.php' ?>
```

posts.view.php

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container mb-5">
    <h1>Posts</h1>
</div>
<div class="container center">
    <div class="container center">
        <div class="row center">
            <div class="input-field col s12 m11 offset-m1 l11 offset-l1">
                <i class="material-icons prefix">search</i>
                <input type="text" id="searchPosts" name="search_posts" />
                <label for="searchPosts">Search for post</label>
            </div>
        </div>
    </div>
</div>
<div class="row">
    <div class="col s12 m2 offset-m1 l2 offset-l1 mb-3">
        <p class="flow-text mb-1">Categories</p>
        <form action="/posts" method="GET">
            <ul class="mb-3">
                <?php foreach($categories as $category) : ?>
                <li>
                    <label>
                        <input type="checkbox" name="categories[]" value="<?= $category->CategoryId ?>" <?= in_array($category->CategoryId, $chosen_categories) ? 'checked' : '' ?>/>
                        <span><?= $category->CategoryName ?></span>
                    </label>
                </li>
            <?php endforeach ?>
        </ul>
        <button type="submit" class="btn btn-small blue lighten-1 waves-effect waves-light">FILTER</button>
    </form>
</div>
<div class="col s12 m2 push-m7 l2 push-l7 mb-3">
    <p class="flow-text mb-1">Latest</p>
    <ul>
        <?php if(!empty($posts)) : ?>
            <?php foreach($recent_posts as $recent_post) : ?>
            <li class="recent-post">
                <a href="/view-post?id=<?= $recent_post->PostId ?>">
                    <?= $recent_post->PostTitle ?>
                </a>
                <br/>
                <p>
                    <?= $recent_post->CreatedAt ?>
                </p>
            </li>
        <?php endforeach ?>
    <?php else : ?>
        <p class="grey-text">No posts added...</p>
    <?php endif ?>
    </ul>
</div>
<div class="col s12 m7 pull-m2 l7 pull-l2">
    <table class="striped highlight mb-3">
```

```
<tbody id="postContainer">
    <?php if(empty($posts)) : ?>
        <tr>
            <h5 class="grey-text text-lighten-1">No posts available at this moment!</h5>
        </tr>
    <?php else : ?>
        <?php foreach($posts as $post) : ?>
            <tr>
                <td class="post-list">
                    <a href="/view-post?id=<?= $post->PostId ?>">
                        <?= $post->PostTitle ?>
                    </a>
                </td>
            </tr>
        <?php endforeach ?>
    <?php endif ?>
</tbody>
</table>
<?php if(!empty($posts) || count($posts) < 10) : ?>
    <ul class="pagination">
        <?php for($i = 1; $i <= $pages_number; $i++) : ?>
            <?php
                if(empty($_GET['page'])) $page = 1;
                else $page = $_GET['page'];
            ?>
            <li class="<?= $page == $i ? 'active blue lighten-1' : '' ?>">
                <a href="/posts?page=<?= $i ?>">
                    <?= $i ?>
                </a>
            </li>
        <?php endfor ?>
    </ul>
<?php endif ?>
</div>
</div>

<?php require 'resources/views/partials/footer.php' ?>
```

views/posts

create-post.view.php

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container mb-3">
    <h2>
        <?= 'Create post' ?>
    </h2>
</div>

<div class="container">
    <div class="container">
        <div class="container">
            <form action="/create-post" method="POST" enctype="multipart/form-data">
                <div class="input-field mb-3">
                    <input type="text" placeholder="CSS Grid system..." id="postTitle" value="<?= $values['title'] ?>" name="post_title" required />
                    <label for="postTitle">Title</label>
                    <?php if(isset($errors['title'])) : ?>
                        <span class="red-text"><?= $errors['title'] ?></span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field mb-3">
                    <select id="categorySelect" name="category_select[]" multiple>
                        <option value="0" disabled selected>Categories:</option>
                        <?php foreach($categories as $category) : ?>
                            <option class="blue-text" value="<?= $category->CategoryId ?>"><?= $category->CategoryName ?></option>
                        <?php endforeach ?>
                    </select>
                    <label for="categorySelect">Category</label>
                    <?php if(isset($errors['category'])) : ?>
                        <span class="red-text"><?= $errors['category'] ?></span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field">
                    <textarea id="textarea1" name="post_body" placeholder="Write something..." class="materialize-textarea" required><?= $values['body'] ?></textarea>
                    <label for="textarea1">Post body</label>
                    <?php if(isset($errors['body'])) : ?>
                        <span class="red-text"><?= $errors['body'] ?></span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="row">
                    <div class="file-field input-field">
                        <div class="btn blue lighten-1 mr-1">
                            <span>Image</span>
                            <input type="file" name="image_path" id="coverImage" accept="image/png, image/jpg, image/jpeg" />
                        </div>
                        <div class="file-path-wrapper">
                            <input class="file-path" type="text">
                        </div>
                    </div>
                </div>
            </form>
        </div>
    </div>
</div>
```

```

        </div>
        <p class="pt-1">Upload cover image &#40;important&#41;</p>
        <?php if(isset($errors['image'])) : ?>
            <span class="red-text">
                <?= $errors['image'] ?>
            </span>
        <?php else : ?>
            <span></span>
        <?php endif ?>
    </div>
</div>
<div class="row center">
    <button type="submit" class="btn btn-large blue lighten-1">CREATE POST</button>
</div>
</form>
</div>
</div>
<?php require 'resources/views/partials/footer.php' ?>

```

edit-post.view.php

```

<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container mb-3">
    <h2>
        <?= 'Edit post' ?>
    </h2>
</div>

<div class="container ms">
    <div class="container">
        <div class="container">
            <form action="/edit-post" method="POST" enctype="multipart/form-data">
                <div class="input-field mb-3">
                    <input type="text" placeholder="CSS Grid system..." id="postTitle" value="<?= $values['title'] ?>" name="post_title" required />
                    <label for="postTitle">Title</label>
                    <?php if(isset($errors['title'])) : ?>
                        <span class="red-text"><?= $errors['title'] ?></span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field mb-3">
                    <select id="categorySelect" name="category_select[]" multiple>
                        <option value="0" disabled selected>Categories:</option>
                        <?php foreach($categories as $category) : ?>
                            <option class="blue-text" value="<?= $category->CategoryId ?>" <?= in_array($category->CategoryId, $post_categories) ? 'selected' : '' ?> <?= $category->CategoryName ?></option>
                        <?php endforeach ?>
                    </select>
                    <label for="categorySelect">Category</label>
                    <?php if(isset($errors['category'])) : ?>
                        <span class="red-text"><?= $errors['category'] ?></span>
                    <?php else : ?>
                        <span></span>
                    <?php endif ?>
                </div>
                <div class="input-field">
                    <textarea id="textarea1" name="post_body" placeholder="Write something..." class="materialize-textarea" required><?= $values['body'] ?></textarea>
                    <label for="textarea1">Post body</label>
                    <?php if(isset($errors['body'])) : ?>

```

```

        <span class="red-text"><?= $errors['body'] ?></span>
    <?php else : ?>
        <span></span>
    <?php endif ?>
</div>
<div class="row">
    <div class="file-field input-field">
        <div class="btn blue lighten-1 mr-1">
            <span>Image</span>
            <input type="file" name="new_path" id="coverImage" accept="image/png, image/jpg,
image/jpeg" />
        </div>
        <div class="file-path-wrapper">
            <input class="file-path" type="text" value="<?= $values['path'] ?>" />
            <input type="hidden" value="<?= $values['path'] ?>" name="old_path" />
        </div>
        <p class="pt-1">Upload cover image &#40;important&#41;</p>
        <?php if(isset($errors['image'])) : ?>
            <span class="red-text">
                <?= $errors['image'] ?>
            </span>
        <?php else : ?>
            <span></span>
        <?php endif ?>
    </div>
</div>
<div class="row center">
    <button type="submit" class="btn btn-large blue lighten-1">SAVE POST</button>
</div>
<input type="hidden" name="post_id" value="<?= $_GET['id'] ?>" />
</form>
</div>
</div>
<?php require 'resources/views/partials/footer.php' ?>

```

view-post.view.php

```

<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container mb-3">
    <h2>
        <?= $post->PostTitle ?>
    </h2>
    <p class="mb-1">
        <?= 'Written by: ' . '<u>' . $writer->FirstName . ' ' . $writer->LastName . '</u>' . ' at: ' .
$post->createdAt ?>
    </p>
    <div class="row">
        <?php if($_SESSION['user_id'] === $post->UserId || $_SESSION['role'] === 1) : ?>
            <a class="btn btn-small red waves-effect" href="/delete-post?id=<?= $post->PostId ?>">DELETE POST</a>
            <?php if($_SESSION['role'] !== 1 || $_SESSION['user_id'] === $post->UserId) : ?>
                <a class="btn btn-small yellow darken-2 waves-effect" href="/edit-post?id=<?= $post->PostId ?>">EDIT
POST</a>
            <?php endif ?>
        <?php endif ?>
    </div>
</div>

<div class="container mb-3">
    <div class="container">
        
        <p class="mb-3">
            <?= $post->PostBody ?>
        </p>
    </div>
</div>

```

```

        </p>
        <blockquote class="mb-3">
            Tags:
            <p class="grey-text text-darken-1">
                <?php foreach($categories as $category) : ?>
                    #<?= $category->CategoryName ?>
                <?php endforeach ?>
            </p>
        </blockquote>
    </div>
</div>
<div class="divider"></div>
<div class="container">
    <div class="container">
        <h3 class="mb-3">Comments</h3>
        <?php require 'resources/views/partials/post-comment.php' ?>
    </div>
</div>
<?php require 'resources/views/partials/footer.php' ?>

```

views/users

profile.view.php

```

<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container center pt-5 mb-3">
    <h4 class="responsive-text">
        <?php if(isset($_SESSION['user_id'])) && $_SESSION['user_id'] === $user->UserId) : ?>
            <?= 'Hello, ' . $user->FirstName . '!' ?>
        <?php else : ?>
            <?= $user->FirstName . ' ' . $user->LastName ?>
        <?php endif ?>
    </h4>
</div>

<div class="container">
    <div class="row" id="userInfo">
        <div class="col s10 m10 l2 offset-s1 offset-m1 offset-l1 pt-2" id="profilePictureContainer">
            <div id="profileImage">
                
            </div>
        </div>
        <div class="col s12 m10 l6 offset-m1 offset-l2 mb-3" id="userBio">
            <b>Username:</b> <?= $user->Username ?> <br><br>
            <b>Mail:</b> <?= $user->UserMail ?> <br><br>
            <b>Joined:</b> <?= $user->CreatedAt ?> <br><br>
            <b>Role:</b> <?= $role_name->RoleName ?> <br><br>
            <?php if(isset($_SESSION['user_id']) && $_SESSION['user_id'] === $user->UserId) : ?>
                <b>Change profile picture:</b>
                <form action="/update-image" method="POST" enctype="multipart/form-data">
                    <div class="row">
                        <div class="col l8">
                            <div class="file-field input-field">
                                <div class="btn btn-small blue lighten-1">
                                    <span>UPLOAD</span>
                                    <input type="file" name="image_path" id="profileImage" accept="image/png,
image/jpg, image/jpeg" />
                                </div>
                            <div class="file-path-wrapper">
```

```
                <input class="file-path" type="text" />
            </div>
        </div>
    </div>
    <div class="col l2 pt-1">
        <button class="btn btn-medium blue lighten-1 waves-effect" type="submit" >UPDATE</button>
    </div>
</div>
<a href="/survey?user_id=<?= $_SESSION['user_id'] ?>" class="btn blue lighten-1">Take poll</a>
<?php endif ?>
</div>
</div>

<div class="row mb-3">
    <?php if($_SESSION['user_id'] === $user->UserId) : ?>
        <div class="col center mb-1 push-11">
            <a class="btn btn-large waves-effect waves-light blue lighten-1 <?= empty($posts) ? 'pulse' : '' ?>" href="/create-post">
                <i class="material-icons">add</i>
            </a>
        </div>
    <?php endif ?>
    <div class="col s12 <?= $_SESSION['user_id'] === $user->UserId ? '19 offset-11' : '18 offset-12' ?>">
        <h5 class="responsive-text"><?= $_SESSION['user_id'] === $user->UserId ? 'My' : $user->FirstName . '\\'s' posts</h5>
        <div class="divider mb-3"></div>
        <?php if(empty($posts)) : ?>
            <?php if($_SESSION['user_id'] === $user->UserId) : ?>
                <p class="pl-1">You haven't posted anything yet!</p>
            <?php else : ?>
                <p class="pl-1"><?= $user->FirstName ?> hasn't posted anything yet!</p>
            <?php endif ?>
        <?php else : ?>
            <table class="striped highlight centered">
                <thead>
                    <tr>
                        <td class="center">PostId</td>
                        <td class="center">Post title</td>
                        <?php if($_SESSION['user_id'] === $user->UserId) : ?>
                            <td class="center">Edit</td>
                            <td class="center">Remove</td>
                        <?php endif ?>
                    </tr>
                </thead>
                <tbody>
                    <?php foreach($posts as $index => $post) : ?>
                        <tr>
                            <td><?= ++$index ?></td>
                            <td>
                                <a href="/view-post?id=<?= $post->PostId ?>"><?= $post->PostTitle ?></a>
                            </td>
                            <?php if($_SESSION['user_id'] === $user->UserId) : ?>
                                <td>
                                    <a href="/edit-post?id=<?= $post->PostId ?>">
                                        <i class="material-icons yellow-text">edit</i>
                                    </a>
                                </td>
                                <td>
                                    <a href="/delete-post?id=<?= $post->PostId ?>">
                                        <i class="material-icons red-text">cancel</i>
                                    </a>
                                </td>
                            <?php endif ?>
                        </tr>
                    <?php endforeach ?>
                </tbody>
            </table>
        <?php endif ?>
    </div>
</div>
```

```
        </table>
        <?php endif ?>
    </div>
</div>
<?php require 'resources/views/partials/footer.php' ?>
```

survey.view.php

```
<?php require 'resources/views/partials/head.php' ?>
<?php require 'resources/views/partials/navigation.php' ?>
<div class="container ms">
<h3 class="mb-3">Take our surveys</h3>
<table class="highlight striped" >
    <thead>
        <tr>
            <td class="center">PollId</td>
            <td class="center">Question</td>
            <td class="center">Your answer</td>
        </tr>
    </thead>
    <tbody>
        <?php if(!empty($polls)) : ?>
        <?php foreach($polls as $poll) : ?>
        <tr>
            <td class="center"><?= $poll->PollId ?></td>
            <td class="center"><?= $poll->Question ?></td>
            <td>
                <form action="/surveys" method="post">
                    <input type="hidden" name="user_id" value="<?= $_SESSION['user_id'] ?>" />
                    <input type="hidden" name="poll_id" value="<?= $poll->PollId ?>" />
                    <p>
                        <label>
                            <input name="poll_answer" type="radio" value="Never" />
                            <span class="black-text">Never</span>
                        </label>
                    </p>
                    ><p>
                        <label>
                            <input name="poll_answer" type="radio" value="Sometimes" />
                            <span class="black-text">Sometimes</span>
                        </label>
                    </p>
                    <p class="mb-1">
                        <label>
                            <input name="poll_answer" type="radio" value="Always" />
                            <span class="black-text">Always</span>
                        </label>
                    </p>
                    <button type="submit" class="btn btn-small blue lighten-1">SEND</button>
                </form>
            </td>
        </tr>
        <?php endforeach ?>
        <?php else : ?>
        <tr>
            <td class="center" colspan="3">No polls active!</td>
        </tr>
        <?php endif ?>
    </tbody>
</div>
<?php require 'resources/views/partials/footer.php' ?>
```

views/partials

head.php

```
<?php
    session_start()
    $file = fopen('private/visitors.txt', 'a+');
    $string_to_write = $_SERVER['REMOTE_ADDR'] . "\t" . $_SERVER['REQUEST_URI'] . "\t" .
    $_SERVER['REQUEST_METHOD'] . "\t" . date('d-m-Y H:i:s', $_SERVER['REQUEST_TIME']) . "\n";
    fwrite($file, $string_to_write);

?>

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <meta name="keywords" content="Blog, programming, topics, developers, front end, back end, php, c#, sql,
databases, mysql, javascript, .net" />
        <meta name="description" content="Hello, we are WireFrame! Sign up and help us grow in the development
community!" />
        <meta name="author" content="Lazar Lalovic 62/20" />
        <link rel="preconnect" href="https://fonts.googleapis.com"/>
        <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
        <link href="https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,100;0,200;0,400;1,200&display=swap"
rel="stylesheet" />
        <!--Import Google Icon Font-->
        <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet" />
        <link href="public/img/icon.png" rel="icon" />
        <!-- Compiled and minified CSS -->
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css"
/>
        <link rel="stylesheet" href="public/css/style.css" />
        <link rel="stylesheet" href="public/css/responsive.css" />
        <script type="text/javascript" src="public/js/main.js" defer></script>
        <script src="node_modules/ckeditor4/ckeditor.js"></script>
        <title>Wireframe | <?= $page_title; ?></title>
    </head>
    <body>
```

footer.php

```
<?php
    $links = $database->selectRecords('Navigation');
?>

<div class="preloader white">
    <div class="preloader-wrapper active big">
        <div class="spinner-layer spinner-blue-only">
            <div class="circle-clipper left">
                <div class="circle"></div>
            </div>
            <div class="gap-patch">
```

```
        <div class="circle"></div>
    </div>
    <div class="circle-clipper right">
        <div class="circle"></div>
    </div>
</div>
<?php if(Request::getUri() !== 'dashboard') : ?>
<footer class="page-footer grey darken-3">
    <div class="container">
        <div class="row">
            <div class="col s12 m3 l3 left-on-med-and-up center-on-small-only">
                <h2 class="white-text flow-text">USEFUL LINKS</h2>
                <ul class="blog-info">
                    <?php foreach($links as $index => $link) : ?>
                    <?php if($index < 4 || ($index > 6 && $index < 9)) : ?>
                        <li>
                            <a href=<?= $link->LinkPath ?>><?= $link->LinkName ?></a>
                        </li>
                    <?php endif ?>
                <?php endforeach ?>
            </ul>
        </div>
        <div class="col s12 m6 l6 center-align">
            <div class="row">
                <h2 class="flow-text">CONNECT WITH US</h2>
                <a href="resources/assets/feed.rss"></a>
                <a target="_blank" href="https://www.facebook.com"></a>
                <a target="_blank" href="https://www.twitter.com"></a>
                <a target="_blank" href="https://www.linkedin.com"></a>
                <a target="_blank" href="https://www.github.com/laxon17"></a>
            </div>
            <div class="row">
                <div class="col s6 m6 l6 offset-s3 offset-m3 offset-l3">
                    <h3 class="grey-text">WireFrame</h3>
                </div>
            </div>
        </div>
        <div class="col s12 m3 l3 left-on-med-and-up center-on-small-only">
            <h2 class="white-text flow-text">SITE ASSETS</h2>
            <ul class="blog-info">
                <li>
                    <a class="grey-text text-lighten-4" target="_blank"
href="resources/assets/documentation.pdf">Documentation</a>
                </li>
                <li><a class="grey-text text-lighten-4" target="_blank"
href="resources/assets/sitemap.xml">Sitemap</a></li>
                <li><a class="grey-text text-lighten-4" target="_blank"
href="public/js/main.js">Script.js</a></li>
            </ul>
        </div>
    </div>
    <div class="footer-copyright grey darken-4">
        <div class="container center">
            Copyright &copy; WireFrame 2022. All Rights Reserved.
        </div>
    </div>
</footer>
<?php endif ?>
```

```

<!-- jQuery -->
<script src="https://code.jquery.com/jquery-3.6.0.min.js"
integrity="sha256-/xUj+3OJU5yExlq6GSYGHk7tPXikynS7ogEvDej/m4=" crossorigin="anonymous"></script>
<!-- Compiled and minified JavaScript -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>
<script>
    // Replace the <textarea id="editor1"> with a CKEditor 4
    // instance, using default configuration.
    CKEDITOR.replace('textarea1')
</script>
</body>
</html>

```

navigation.php

```

<?php

$links = $database->selectRecords('Navigation');

$position = '/' . Request::getUri();

if(isset($_SESSION['user_id'])) $user_info = $database->selectUser($_SESSION['user_id']);

?>

<div class="navbar-fixed">
<nav class="blue lighten-1">
<div class="nav-wrapper container">
    <a href=<?= $links[0]->LinkPath ?>" class="brand-logo center">WireFrame</a>
    <a data-target="hiddenNavigation" class="sidenav-trigger">
        <i class="material-icons white-text">menu</i>
    </a>
    <ul id="visibleNavigation" class="left hide-on-med-and-down">
        <?php for($i = 1; $i < 4; $i++) : ?>
        <li class="<?= $position === $links[$i]->LinkPath ? 'active' : '' ?>">
            <a href=<?= $links[$i]->LinkPath ?>"><?= $links[$i]->LinkName ?></a>
        </li>
    <?php endfor ?>
    </ul>
    <ul class="right hide-on-med-and-down">
        <?php if(isset($_SESSION['user_id']) && $_SESSION['role'] === 1) : ?>
        <li>
            <a href=<?= $links[4]->LinkPath ?>"><?= $links[4]->LinkName ?></a>
        </li>
        <?php endif ?>
        <?php if(isset($_SESSION['user_id'])) : ?>
        <li class="<?= $position === $links[5]->LinkPath && $_SESSION['username'] === $_GET['username'] ? 'active' : '' ?>">
            <a href=<?= $links[5]->LinkPath . '?username=' . $_SESSION['username'] ?>"><?= $links[5]->LinkName ?></a>
        </li>
        <li class="<?= $position === $links[6]->LinkPath ? 'active' : '' ?>">
            <a href=<?= $links[6]->LinkPath ?>"><?= $links[6]->LinkName ?></a>
        </li>
    <?php endif ?>

        <?php if(empty($_SESSION['user_id'])) : ?>
        <?php for($i = 7; $i < 9; $i++) : ?>
        <li class="<?= $position === $links[$i]->LinkPath ? 'active' : '' ?>">
            <a href=<?= $links[$i]->LinkPath ?>">
                <?= $links[$i]->LinkName ?>
            </a>
        </li>
    <?php endfor ?>

```

```
</li>
<?php endfor ?>
<?php endif ?>
</ul>
</div>
</nav>
</div>

<ul id="hiddenNavigation" class="sidenav">
<?php if(isset($_SESSION['user_id'])) : ?>
<li>
<div class="user-view">
<div class="background">

</div>
<a href="#user"></a>
<a href="#name"><span class="white-text name"><?= $user_info->FirstName . ' ' . $user_info->LastName ?></span></a>
<a href="#email"><span class="white-text email"><?= $user_info->UserMail ?></span></a>
</div>
</li>
<?php endif ?>
<?php for($i = 1; $i < 4; $i++) : ?>
<li class="<?= $position === $links[$i]->LinkPath ? 'active' : '' ?>">
<a href=<?= $links[$i]->LinkPath ?><?= $links[$i]->LinkName ?></a>
</li>
<?php endfor ?>

<?php if(isset($_SESSION['user_id']) && $_SESSION['role'] === 1) : ?>
<li>
<a href=<?= $links[4]->LinkPath ?><?= $links[4]->LinkName ?></a>
</li>
<?php endif ?>

<?php if(isset($_SESSION['user_id'])) : ?>
<li class="<?= $position === $links[5]->LinkPath && $_SESSION['username'] === $_GET['username'] ? 'active' : '' ?>">
<a href=<?= $links[5]->LinkPath . '?username=' . $_SESSION['username'] ?><?= $links[5]->LinkName ?></a>
</li>
<li class="<?= $position === $links[6]->LinkPath ? 'active' : '' ?>">
<a href=<?= $links[6]->LinkPath ?><?= $links[6]->LinkName ?></a>
</li>
<?php endif ?>

<?php if(empty($_SESSION['user_id'])) : ?>
<?php for($i = 7; $i < 9; $i++) : ?>
<li class="<?= $position === $links[$i]->LinkPath ? 'active' : '' ?>">
<a href=<?= $links[$i]->LinkPath ?><?= $links[$i]->LinkName ?>
</a>
</li>
<?php endfor ?>
<?php endif ?>
</ul>
```

post-comment.php

```
<?php
    $all_comments = $database->selectComments($_GET['id']);
    $parent_comments = [];
    foreach($all_comments as $comment)
    {
        if($comment->ParentId == null) array_push($parent_comments, $comment);
    }
?>

<?php foreach($parent_comments as $parent_comment) : ?>
<div class="row parent-comment mb-3">
    <?php if($_SESSION['role'] === 1) : ?>
        <a class="delete-comment" href="/delete-comment?comment_id=<?= $parent_comment->CommentId?>">
            <i class="material-icons red-text">close</i>
        </a>
    <?php endif ?>
    <div class="row">
        <div class="col">
            
        </div>
        <div class="col 16">
            <a href="/profile?username=<?= $parent_comment->UserName ?>">
                <?= $parent_comment->FullName ?>
            </a>
            <br>
            <small>
                <?= $parent_comment->CreatedAt ?>
            </small>
        </div>
    </div>
    <div class="row mb-3">
        <div class="col 111 offset-11">
            <p>
                <?= $parent_comment->CommentBody ?>
            </p>
        </div>
    </div>
<?php if(isset($_SESSION['user_id'])) : ?>
<div class="row">
    <div class="col 111 offset-11">
        <div class="col">
            <p class="reply-button">Reply</p>
        </div>
        <?php if($_SESSION['user_id'] == $parent_comment->UserId) : ?>
            <div class="col">
                <a href="/delete-comment?comment_id=<?= $parent_comment->CommentId ?>">Delete</a>
            </div>
        <?php endif ?>
    </div>
</div>
<div class="row scale-transition hide">
    <div class="col 18 offset-14">
        <form action="/comment" method="POST">
            <div class="input-field">
                <input type="text" name="comment_body" id="replyComment" />
                <label for="replyComment">Reply to <?= $parent_comment->FullName ?></label>
            </div>
            <input type="hidden" name="user_id" value="<?= $_SESSION['user_id'] ?>" />
            <input type="hidden" name="post_id" value="<?= $parent_comment->PostId ?>" />
        </form>
    </div>
</div>
```

```
<input type="hidden" name="parent_id" value="= $parent_comment-&gt;CommentId ?" />
    <button type="submit" class="btn btn-small blue lighten-1 waves-effect waves-light">Reply</button>
</form>
</div>
</div>
<?php endif ?>

<?php
$reply_comments = $database->selectReplies($parent_comment->PostId, $parent_comment->CommentId);
foreach($reply_comments as $reply_comment) :
?>
<div class="row">
    <div class="col s10 offset-s2 m10 offset-m2 l10 offset-l2 reply-comment">
        <div class="row">
            <div class="col l2">
                
            </div>
            <div class="col l6">
                <a href="/profile?username=<?= $reply_comment->UserName ?>">
                    <?= $reply_comment->FullName ?>
                </a>
                <br>
                <small>
                    <?= $reply_comment->CreatedAt ?>
                </small>
            </div>
            <?php if($_SESSION['role'] === 1) : ?>
                <a class="delete-reply" href="/delete-comment?comment_id=<?= $reply_comment->CommentId ?>">
                    <i class="material-icons red-text">close</i>
                </a>
            <?php endif ?>
        </div>
        <div class="row">
            <div class="col m10 offset-m2 l10 offset-l2">
                <p>
                    <?= $reply_comment->CommentBody ?>
                </p>
            </div>
        </div>
        <div class="row">
            <div class="col l8 offset-l2">
                <?php if($_SESSION['user_id'] == $parent_comment->UserId || $_SESSION['user_id'] == $reply_comment->UserId) : ?>
                    <div class="col">
                        <a href="/delete-comment?comment_id=<?= $reply_comment->CommentId ?>">Delete</a>
                    </div>
                <?php endif ?>
            </div>
        </div>
    </div>
<?php endforeach ?>
</div>
<?php endforeach ?>

<div class="comment-section center">
    <?php if(empty($comments)) : ?>
        <h5 class="mb-3">No comments found! <?= isset($_SESSION['user_id']) ? 'Be the first to comment.' : '' ?> </h5>
    <?php endif ?>
    <?php if(isset($_SESSION['user_id'])) : ?>
        <div class="row center">
            <form action="/comment" method="POST">
                <div class="input-field">
                    <textarea class="materialize-textarea" name="comment_body" id="commentBody" ></textarea>
                    <label for="commentBody">What do you think?</label>
                </div>
            </form>
        </div>
    <?php endif ?>
</div>
```

```
<input type="hidden" name="user_id" value="<?= $_SESSION['user_id'] ?>" />
<input type="hidden" name="post_id" value="<?= $_GET['id'] ?>" />
<button type="submit" class="btn btn-small blue lighten-1 waves-effect waves-light">Comment</button>
</form>
</div>
<?php else : ?>
<h6 class="mb-3">Only <a href="/register">registered</a> users can comment!</h6>
<?php endif ?>
</div>
```

controllers

biography-export.php

```
<?php

header("Content-type: application/vnd.ms-word");

header("Content-Disposition: attachment;filename=biography.docx");

$biography_string =

"

<table>

<thead>

<tr>

<th><b>Lazar Lalovic</b> 62/20</th>

</tr>

</thead>

<tbody>

<tr>

<td>

Hello, my name is Lazar Lalović. I am 22 years old.

</td>

</tr>

</tbody>

</table>
```

```
</tr>

<tr>

    <td>

        I was born in Zvornik and raised in a small town called Milići, Serbian Republic.

        Now, I am a second-year student at: \"College of Vocational Studies for Information
and Communication Technologies\",

        where I am majoring in Web programming.

        If you want to learn more about me, visit my <a
href=\"https://laxon17.github.io/portfolio/\"> portfolio</a>!

    </td>

</tr>

</tbody>

</table>

";

echo $biography_string;
```

author.php

```
<?php
    $page_title = 'Author';
    require 'resources/views/pages/author.view.php';
```

index.php

```
<?php
    $page_title = 'Home';
    require 'resources/views/pages/index.view.php';
```

surveys.php

```
<?php
    $access_method = Request::getMethod();
    if($access_method !== 'POST') Utilities::redirect('/index');
    else
    {
        $poll_id = $_POST['poll_id'];
        $answer = $_POST['poll_answer'];
        $user_id = $_POST['user_id'];

        $user = $database->selectFilteredRecord('Users', 'UserId', $user_id);
        $database->updateAnswer($answer, $poll_id, $user_id);
        Utilities::redirect('/profile?username=' . $user->Username);
    }
}
```

contact.php

```
<?php
    $page_title = 'Contact';

    $access_method = Request::getMethod();

    if($access_method === 'GET') require 'resources/views/pages/contact.view.php';
    else
    {
        $sender_mail = $_POST['contact_mail'];
        $message_title = $_POST['message_title'];
        $message_body = $_POST['message_body'];

        $errors = [];

        if(!Utilities::checkRegex($sender_mail, 'Mail')) $errors['credentials'] = 'E-mail is not as expected!';
        if(empty($message_body)) $errors['message'] = 'Message can\'t be empty!';

        if(count($errors))
        {
            require 'resources/views/pages/contact.view.php';
            end();
        }
        else
        {

            $database->insertRecords('ContactMessages', [
                'SenderMail' => $sender_mail,
                'MessageTitle' => empty($message_title) ? 'No title' : $message_title,
                'MessageBody' => $message_body
            ]);
            Utilities::redirect('/contact?success=Your message was sent successfully!');
        }
    }
}
```

controllers/validations

verify.php

```
<?php

$page_title = 'Verification';

$token = $_GET['token'];

if(isset($token) )
{
    $user = $database->selectFilteredRecord('Users', 'UserToken', $token);
    if(isset($user))
    {
        $database->updateRecord('Users', 'UserVerified', 1, 'UserId', $user->UserId);

        require 'resources/views/authentication/verify.view.php';
    }
}
if($_SERVER['HTTP_REFERER'] == null) Utilities::redirect('/index');
else require 'resources/views/authentication/verify.view.php';
```

controllers/user

profile.php

```
<?php

$page_title = 'Profile';

if(empty($_GET['username'])) Utilities::redirect('/index');
else
{
    $user = $database->selectFilteredRecord('Users', 'UserName', $_GET['username']);
    if(empty($user)) Utilities::redirect('/');
    $role_name = $database->selectFilteredRecord('Roles', 'RoleId', $user->RoleId);
    $posts = $database->selectFilteredRecords('Posts', 'UserId', $user->UserId);

    require 'resources/views/user/profile.view.php';
}
```

survey.php

```
<?php

$access_method = Request::getMethod();

$page_title = 'Surveys';

if($access_method === 'GET' && isset($_GET['user_id']))
{
    session_start();
    $current_user = $_SESSION['user_id'];
    $remote_user = $_GET['user_id'];
    if($current_user != $remote_user) Utilities::redirect('/index');
    else
    {
        $polls = $database->selectPolls($current_user);

        require 'resources/views/user/survey.view.php';
    }
}
else Utilities::redirect('/index');
```

update-image.php

```
<?php

session_start();

$image_path = $_FILES['image_path']['name'];
$target = 'public/img/users/' . basename($image_path);

$cover = $database->selectFilteredRecord('Users', 'UserId', $_SESSION['user_id']);
$old_cover = $cover->ProfilePicture;

$database->updateRecord('Users', 'ProfilePicture', $image_path, 'UserId', $_SESSION['user_id']);

move_uploaded_file($_FILES['image_path']['tmp_name'], $target);

if($old_cover !== 'blank-profile.png') unlink("public/img/users/" . $cover['ProfilePicture']);

Utilities::redirect('/profile?username=' . $_SESSION['username']);
```

controllers/authentication

login.php

```
<?php

$page_title = 'Log In';

$access_method = Request::getMethod();

if($access_method === 'GET') require 'resources/views/authentication/login.view.php';
else
{
    $user_id = $_POST['user_id'];
    $user_password = $_POST['user_password'];

    $values = [];
    $errors = [];

    if(!Utilities::checkRegex($user_id, 'UserId')) $errors['credentials'] = 'Your ID is not as expected!';
    $values['credentials'] = $user_id;
    if(!Utilities::checkRegex($user_password, 'Password')) $errors['password'] = 'Password is not as expected!';

    $canBeLogged = false;

    $user = $database->selectUser($user_id);

    if(empty($user)) $errors['credentials'] = 'User with given ID is not found. Try Again!';
    else
    {
        $errors = [];
        if(!$user->UserVerified) $errors['credentials'] = 'User with given ID, hasn\'t verified his identity yet!';
        else
        {
            $errors = [];
            if(!password_verify($user_password, $user->UserPassword)) $errors['password'] = 'Incorrect password! Try again!';
            else
            {
                $errors = [];
                $canBeLogged = true;
            }
        }
    }

    if(count($errors))
    {
        require 'resources/views/authentication/login.view.php';
        exit();
    }
}

if($canBeLogged)
{
    session_start();
    $_SESSION['user_id'] = $user->UserId;
    $_SESSION['username'] = $user->Username;
    $_SESSION['role'] = $user->RoleId;

    Utilities::redirect('/index');
}
```

logout.php

```
<?php
    session_start();
    session_unset();
    session_destroy();

    Utilities::redirect('/index');
    exit();
```

registration.php

```
<?php

$page_title = 'Register';

use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\SMTP;
use PHPMailer\PHPMailer\Exception;

require 'vendor/autoload.php';

$accessMethod = Request::getMethod();

if($accessMethod === 'GET') require 'resources/views/authentication/registration.view.php';
else
{
    $first_name = $_POST['first_name'];
    $last_name = $_POST['last_name'];
    $username = $_POST['user_name'];
    $user_mail = $_POST['user_mail'];
    $user_password = $_POST['password'];
    $password_repeat = $_POST['re_password'];

    $users = $database->selectRecords('Users');

    $values = [];
    $errors = [];

    if(!Utilities::checkRegex($first_name, 'FirstName')) $errors['firstname'] = 'First name is not as expected!';
    $values['firstname'] = $first_name;
    if(!Utilities::checkRegex($last_name, 'LastName')) $errors['lastname'] = 'Last name is not as expected!';
    $values['lastname'] = $last_name;
    if(!Utilities::checkRegex($username, 'Username')) $errors['username'] = 'Username is not as expected!';
    $values['username'] = $username;
    if(!Utilities::checkRegex($user_mail, 'Mail')) $errors['usermail'] = 'E-Mail is not as expected!';
    $values['usermail'] = $user_mail;
    if(!Utilities::checkRegex($user_password, 'Password')) $errors['password'] = 'Password is not as expected!';
    if($user_password !== $password_repeat) $errors['re_password'] = 'Passwords don\'t match';

    $verification_token = md5(time() . $username);

    $found = false;

    foreach($users as $user)
    {
        if($user->Username === $username)
        {
            $errors['username'] = 'Username is already taken!';
            $found = true;
        }
    }
}
```

```
        }
        if($user->UserMail === $user_mail)
        {
            $errors['usermail'] = 'E-mail is already taken!';
            $found = true;
        }
    }

    if(count($errors))
    {
        require 'resources/views/authentication/registration.view.php';
        exit();
    }
    if(!$found)
    {
        $database->insertRecords('Users', [
            'FirstName' => $first_name,
            'LastName' => $last_name,
            'Username' => $username,
            'UserMail' => $user_mail,
            'UserPassword' => password_hash($user_password, PASSWORD_DEFAULT),
            'UserToken' => $verification_token
        ]);
    }

    $mail = new PHPMailer(true);

    try
    {
        $mail->SMTPDebug = SMTP::DEBUG_SERVER;
        $mail->isSMTP();
        $mail->Host = 'smtp.gmail.com';
        $mail->SMTPAuth = true;
        $mail->Username = 'xxxxx';
        $mail->Password = 'xxxxx';
        $mail->SMTPSecure = PHPMailer::ENCRYPTION_SMTPS;
        $mail->Port = 465;

        $mail->setFrom('xxxxx');
        $mail->addAddress($user_mail);

        $mail->isHTML(true);
        $mail->Subject = 'WireFrame - Account Verification';
        $mail->Body = "Verify: <a href=\"http://localhost:8800/verify?token=$verification_token\">Verify</a>";
        $mail->AltBody = "Click to verify: http://localhost:8800/verify?token=$verification_token";

        $mail->send();

        Utilities::Redirect('/verify');

    }
    catch (Exception $exception)
    {
        Utilities::dieDump($exception->getMessage());
    }
}
```

controllers/posts

comment.php

```
<?php

$comment = $_POST['comment_body'];
$user_id = $_POST['user_id'];
$post_id = $_POST['post_id'];
$parent_id = $_POST['parent_id'];

if(empty($comment)) Utilities::redirect('/view-post?id=' . $post_id . '&errors="Comment body can\'t be empty!"');
else
{
    $database->insertRecords('Comments', [
        'ParentId' => $parent_id,
        'CommentBody' => htmlspecialchars($comment),
        'PostId' => $post_id,
        'UserId' => $user_id
    ]);

    Utilities::redirect('/view-post?id=' . $post_id);
}
```

create-post.php

```
<?php

$page_title = 'Create post';
$access_method = Request::getMethod();
$categories = $database->selectRecords('Categories');

if($access_method !== 'POST') require 'resources/views/posts/create-post.view.php';
else
{
    $post_title = $_POST['post_title'];
    $post_body = $_POST['post_body'];
    $image_path = $_FILES['image_path']['name'];
    $image_name = uniqid() . '_' . time();

    $target = 'public/img/covers/' . $image_name;
    $post_category = [];
    $values = [];
    $errors = [];

    if(empty($_POST['category_select'])) $errors['category'] = 'Please, provide at least one category for post!';
    else
    {
        foreach($_POST['category_select'] as $selected)
        {
            array_push($post_category, $selected);
        }
    }

    if(empty($post_title))
    {
        $errors['title'] = 'Please, fill in the post title!';
        if(!preg_match('/^([A-Za-z0-9\-\?\s\#]{3,50})$/i', $post_title)) $errors['title'] = 'Title is not as expected!';
    }
}
```

```

    }
    else $values['title'] = $post_title;

    if(empty($post_body)) $errors['body'] = 'Please, fill in the post body!';
    else $values['body'] = $post_body;

    if(empty($image_path)) $errors['image'] = 'Please, include a proper cover image!';

    if(count($errors))
    {
        require 'resources/views/posts/create-post.view.php';
        exit();
    }

    else
    {
        session_start();

        $database->insertRecords('Posts', [
            'PostTitle' => $post_title,
            'PostBody' => $post_body,
            'UserId' => $_SESSION['user_id']
        ]);

        $last_post = $database->selectLastRecords('Posts', 'PostId', 1);

        if(empty($last_post)) $post_id = 1;
        else $post_id = $last_post[0]->PostId;

        $database->insertRecords('CoverImages', [
            'CoverPath' => $image_name,
            'PostId' => $post_id
        ]);

        move_uploaded_file($_FILES['image_path']['tmp_name'], $target);

        foreach($post_category as $category)
        {
            $database->insertRecords('PostCategory', [
                'PostId' => $post_id,
                'CategoryId' => (int) $category
            ]);
        }

        Utilities::redirect('/profile?username=' . $_SESSION['username']);
    }
}

```

delete-comment.php

```

<?php

$comment_id = $_GET['comment_id'];
$writer = $database->selectFilteredRecord('Comments', 'CommentId', $comment_id);
session_start();

if(empty($comment_id)) Utilities::redirect('/index');
else if($_SESSION['role'] === 1 || $writer->UserId === $_SESSION['user_id'])
{
    $comment = $database->selectFilteredRecord('Comments', 'CommentId', $comment_id);
    $post_id = $comment->PostId;
    if($comment->ParentId === null)
    {
        $database->deleteRecords('Comments', 'ParentId', $comment_id);
    }
}

```

```

        $database->deleteRecords('Comments', 'CommentId', $comment_id);
    }
    else $database->deleteRecords('Comments', 'CommentId', $comment_id);

    Utilities::redirect('/view-post?id=' . $post_id);
}
}

```

[delete-post.php](#)

```

<?php

$page_title = 'My profile';

$access_method = Request::getMethod();

if($access_method !== 'GET') Utilities::Redirect('/index');
else
{
    session_start();
    $id = $_GET['id'];

    $writer = $database->selectFilteredRecord('Posts', 'PostId', $id);
    $writer_id = $writer->UserId;

    if($writer_id === $_SESSION['user_id'] || $_SESSION['role'] === 1)
    {
        $cover = $database->selectFilteredRecord('CoverImages', 'PostId', $id);
        $database->deleteRecords('PostCategory', 'PostId', $id);
        $database->deleteRecords('CoverImages', 'PostId', $id);
        $database->deleteRecords('Comments', 'PostId', $id);
        $database->deleteRecords('Posts', 'PostId', $id);
        unlink("public/img/covers/" . $cover->CoverPath);
        session_start();
        Utilities::redirect('/profile?username=' . $_SESSION['username']);
    }
    else Utilities::Redirect('/index');
}
}

```

[edit-post.php](#)

```

<?php

$page_title = 'Edit post';
$access_method = Request::getMethod();
$categories = $database->selectRecords('Categories');

if($access_method === 'POST')
{
    $post_title = $_POST['post_title'];
    $post_body = $_POST['post_body'];
    $post_id = $_POST['post_id'];
    $old_path = $_POST['old_path'];

    $new_path = $_FILES['new_path']['name'];
    $image_name = uniqid() . '_' . time();
}
}

```

```
$target = 'public/img/covers/' . $image_name;

$post_category = [];
$values = [];
$errors = [];

if(empty($_POST['category_select'])) $errors['category'] = 'Please, provide at least one category for post!';
else
{
    foreach($_POST['category_select'] as $selected)
    {
        array_push($post_category, $selected);
    }
}

if(empty($post_title))
{
    $errors['title'] = 'Please, fill in the post title!';
    if(!preg_match('/^A-Za-z0-9\-\?\s\#[3,50]$/', $post_title)) $errors['title'] = 'Title is not as expected!';
}
else $values['title'] = $post_title;

if(empty($post_body)) $errors['body'] = 'Please, fill in the post body!';
else $values['body'] = $post_body;

if(count($errors))
{
    require 'resources/views/posts/edit-post.view.php';
    exit();
}
else
{
    session_start();

$database->updateRecord('Posts', 'PostTitle', $post_title, 'PostId', $post_id);
$database->updatePostBody($post_body, $post_id);

if($new_path !== '') {
    $database->updateRecord('CoverImages', 'CoverPath', $image_name, 'PostId', $post_id);
    move_uploaded_file($_FILES['new_path']['tmp_name'], $target);
    unlink('public/img/covers/' . $old_path);
}

$database->deleteRecords('PostCategory', 'PostId', $post_id);

foreach($post_category as $category)
{
    $database->insertRecords('PostCategory', [
        'PostId' => $post_id,
        'CategoryId' => $category
    ]);
}

Utilities::redirect('/view-post?id=' . $post_id);
}
}
else
{
    $post = $database->selectFilteredRecord('Posts', 'PostId', $_GET['id']);
    $old_categories = $database->selectFilteredRecords('PostCategory', 'PostId', $_GET['id']);
    $image = $database->selectFilteredRecord('CoverImages', 'PostId', $_GET['id']);

$post_categories = [];

foreach($old_categories as $category)
{
    array_push($post_categories, $category->CategoryId);
}
```

```

    }

    $values['title'] = $post->PostTitle;
    $values['body'] = $post->PostBody;
    $values['path'] = $image->CoverPath;

    require 'resources/views/posts/edit-post.view.php';
}

```

posts.php

```

<?php

$page_title = 'Posts';

$access_method = Request::getMethod();

$categories = $database->selectRecords('Categories');
$recent_posts = $database->selectLastRecords('Posts', 'CreatedAt', 5, 1);

if($access_method === 'GET')
{
    $chosen_categories = [];
    $number_of_records = $database->selectRecords('Posts');
    $pages_number = ceil(count($number_of_records) / 5);

    if(!isset($_GET['page'])) $start_point = 0;
    else $start_point = ($_GET['page']-1) * 5;

    if(isset($_GET['categories']))
    {
        foreach($_GET['categories'] as $category_id) array_push($chosen_categories, $category_id);

        $posts = $database->selectPostsByCategory($chosen_categories, 0, 1, $start_point);
    }
    else $posts = $database->selectRecords('Posts', 1, 1, $start_point, 1);

    require 'resources/views/pages/posts.view.php';

    if($_GET['page'] > $pages_number) Utilities::redirect('/index');
}
else Utilities::redirect('/posts');

```

view-post.php

```

<?php
$post_id = $_GET['id'];
$post = $database->selectFilteredRecord('Posts', 'PostId', $post_id);
$cover = $database->selectFilteredRecord('CoverImages', 'PostId', $post_id);
$writer = $database->selectFilteredRecord('Users', 'UserId', $post->UserId);
$categories = $database->selectCategoriesOfPost($post_id);

$comments = $database->selectComments($_GET['id']);

$page_title = $post->PostTitle;

require 'resources/views/posts/view-post.view.php';

```

private**export-log.php**

```
<?php

session_start();

$access_method = Request::getMethod();

if($access_method !== 'GET' || empty($_SESSION['user_id']) || $_SESSION['role'] != 1)

{

    Utilities::redirect('/index');

    die();

}

header("Content-Disposition: attachment;filename=log.txt");

$log_content = file('private/visitors.txt');

$string_to_dispose = "IpAddress\t\tURI\t\tREQUEST_METHOD\t\tTIME\t\t\n";

$visit = [];

for($i = 2; $i < count($log_content); $i++)

{

    array_push($visit, explode("\t", $log_content[$i]));

    foreach($visit as $information)

    {

        $date_info = date('m-d-Y H:i:s', $information[3]);

        $string_to_dispose .= "$information[0]\t\t$information[1]\t\t$information[2]\t\t$date_info\t\t\n";

    }

}
```

```
}
```

```
echo $string_to_dispose;
```

CSS

style.css

```
* {
  margin: 0;
  padding: 0;
  -webkit-box-sizing: border-box;
     box-sizing: border-box;
}

*:not(i.material-icons) {
  font-family: 'Poppins', sans-serif;
}

* i, * a {
  cursor: pointer;
}

html {
  overflow-x: hidden;
}

html .m-a {
  margin: 0 auto !important;
}

html .mb-1 {
  margin-bottom: 1rem;
}

html .mb-2 {
  margin-bottom: 2rem;
}

html .mb-3 {
  margin-bottom: 3rem;
}

html .mb-5 {
  margin-bottom: 5rem !important;
}

html .p-0 {
  padding: 0 !important;
}

html .p-1 {
  padding: 1rem !important;
}
```

```
html .p-3 {
  padding: 3rem !important;
}

html .p-5 {
  padding: 5rem !important;
}

html .pt-1 {
  padding-top: 1rem !important;
}

html .pt-2 {
  padding-top: 2rem !important;
}

html .pt-5 {
  padding-top: 5rem !important;
}

html .pl-0 {
  padding-left: 0 !important;
}

html .pl-1 {
  padding-left: 1rem !important;
}

html .pl-2 {
  padding-left: 2rem !important;
}

html .pr-0 {
  padding-right: 0 !important;
}

html .mr-1 {
  margin-right: 1rem !important;
}

html .blue.lighten-7 {
  background-color: white !important;
}

html blockquote {
  text-transform: uppercase;
  border-left-color: #42a5f5 !important;
}

html body {
  overflow-x: hidden;
  position: relative;
}

html body .ms {
  margin-bottom: 25rem !important;
}

html body .user-profile {
  width: 50px;
  height: 50px;
  border-radius: 50%;
}

html body textarea#messageBody {
  height: 300px;
}
```

```
html body textarea:focus {
    border-bottom-color: #42a5f5 !important;
    -webkit-box-shadow: 0 1px 0 0 #42a5f5 !important;
        box-shadow: 0 1px 0 0 #42a5f5 !important;
}

html body textarea:focus + label {
    color: #42a5f5 !important;
}

html body .input-field .prefix.active {
    color: #42a5f5;
}

html body .reply-button {
    cursor: pointer;
}

html body .parent-comment {
    position: relative;
    -webkit-box-shadow: 0 0 2px 0 grey;
        box-shadow: 0 0 2px 0 grey;
    padding: 1rem .5rem;
}

html body .parent-comment .row .reply-comment {
    position: relative;
    padding: 1rem;
    -webkit-box-shadow: 0 0 2px 0 grey;
        box-shadow: 0 0 2px 0 grey;
}

html body .parent-comment .row .reply-comment .delete-reply {
    position: absolute;
    top: 20px;
    right: 20px;
}

html body .parent-comment .delete-comment {
    position: absolute;
    right: 10px;
    top: 10px;
}

html body .prof-pic {
    width: 60px;
    height: 60px;
    border-radius: 50%;
}

html body .page-name {
    text-transform: capitalize;
}

html body .info-cards {
    margin-bottom: 3rem;
}

html body .info-cards .stats-card {
    display: -webkit-box;
    display: -ms-flexbox;
    display: flex;
    -webkit-box-orient: vertical;
    -webkit-box-direction: normal;
        -ms-flex-direction: column;
            flex-direction: column;
```

```
-webkit-box-align: center;
-ms-flex-align: center;
align-items: center;
-webkit-box-pack: justify;
-ms-flex-pack: justify;
justify-content: space-between;
padding: 2rem !important;
margin-bottom: 3rem;
border-radius: 10px;
-webkit-transition: all 300ms ease !important;
transition: all 300ms ease !important;
-webkit-box-shadow: 0 0 3px 0 #42a5f5 !important;
box-shadow: 0 0 3px 0 #42a5f5 !important;
}

html body .info-cards .stats-card i {
margin-bottom: 1rem;
}

html body .info-cards .stats-card p {
margin-bottom: 1rem;
text-transform: uppercase;
}

html body .info-cards .stats-card p:first-of-type {
font-size: 2rem;
}

html body .info-cards .stats-card:hover {
cursor: help;
-webkit-box-shadow: 0 0 10px 0 #42a5f5 !important;
box-shadow: 0 0 10px 0 #42a5f5 !important;
}

html body input.pass {
border-bottom-color: #42a5f5 !important;
}

html body input.pass + label {
color: #42a5f5 !important;
}

html body input[type="radio"]:checked + span::after {
border: 2px solid #42a5f5;
background-color: #42a5f5 !important;
}

html body input.fail {
border-bottom-color: #ff0000 !important;
}

html body input.fail + label {
color: #ff0000 !important;
}

html body .verify-container {
margin: 150px auto;
padding: 3em;
border: 2px solid #42a5f5;
-webkit-box-shadow: 0 0 7px 0 #000;
box-shadow: 0 0 7px 0 #000;
display: -ms-grid;
display: grid;
place-content: center;
justify-items: center;
}
```

```
html body .verify-container > img {
    width: 20%;
}

html body .verify-container h3 {
    font-size: 1.5rem;
}

html body .verify-container h4 {
    font-size: 1rem;
}

html body #userInfo #profilePictureContainer {
    margin-bottom: 5rem;
    text-align: center;
}

html body #userInfo #profilePictureContainer #profileImage {
    margin-bottom: 1rem;
    border-radius: 50%;
    width: 200px;
    height: 200px;
    overflow: hidden;
}

html body #userInfo #profilePictureContainer #profileImage img {
    width: 100%;
    cursor: pointer;
}

html body #userInfo #userBio {
    background-color: #eef8ff;
    padding: 3rem 1.5rem;
    border-radius: 10px;
}

html body .post-list {
    padding: 1.5rem 2rem;
}

html body .recent-post {
    margin-bottom: 1rem;
}

html body .recent-post p {
    color: grey;
    font-size: .85rem;
}

html body input[type="checkbox"]:checked + span:not(.lever):before {
    border-right: 2px solid #42a5f5;
    border-bottom: 2px solid #42a5f5;
}

html body #textarea1 {
    height: 300px;
}

html body #textarea1:focus {
    border-bottom-color: #42a5f5 !important;
    -webkit-box-shadow: 0 1px 0 0 #42a5f5 !important;
        box-shadow: 0 1px 0 0 #42a5f5 !important;
}

html body #textarea1:focus + label {
    color: #42a5f5 !important;
}
```

```
html body input::-webkit-input-placeholder {  
    font-size: .75rem;  
}  
  
html body input::-ms-input-placeholder {  
    font-size: .75rem;  
}  
  
html body input::-ms-input-placeholder {  
    font-size: .75rem;  
}  
  
html body input::placeholder {  
    font-size: .75rem;  
}  
  
html body input:focus {  
    border-bottom: 1px solid #42a5f5 !important;  
    -webkit-box-shadow: 0 1px 0 0 #42a5f5 !important;  
        box-shadow: 0 1px 0 0 #42a5f5 !important;  
}  
  
html body input:focus + label {  
    color: #42a5f5 !important;  
}  
  
html body .preloader {  
    z-index: 1000000000;  
    position: absolute;  
    display: -webkit-box;  
    display: -ms-flexbox;  
    display: flex;  
    -webkit-box-align: center;  
        -ms-flex-align: center;  
            align-items: center;  
    -webkit-box-pack: center;  
        -ms-flex-pack: center;  
            justify-content: center;  
    top: 0;  
    left: 0;  
    right: 0;  
    bottom: 0;  
}  
  
html body .preloader .preloader-wrapper {  
    position: absolute;  
    top: 50vh;  
}  
  
html body .parallax-container {  
    height: 70vh;  
    display: -webkit-box;  
    display: -ms-flexbox;  
    display: flex;  
    -webkit-box-align: center;  
        -ms-flex-align: center;  
            align-items: center;  
    -webkit-box-pack: center;  
        -ms-flex-pack: center;  
            justify-content: center;  
}  
  
html body .cross-section {  
    width: 100%;  
    height: 25vh;  
    -webkit-clip-path: polygon(0 0, 100% 0, 100% 15%, 0 100%);
```

```
clip-path: polygon(0 0, 100% 0, 100% 15%, 0 100%);
background-color: #f1f8ff;
}

html body .opposite {
-webkit-clip-path: polygon(100% 0%, 100% 100%, 0% 100%, 100% 15%);
clip-path: polygon(100% 0%, 100% 100%, 0% 100%, 100% 15%);
}

html body footer .blog-info li {
padding-left: .8rem;
margin-bottom: .5rem;
}

html body footer .blog-info li a {
color: #fff;
font-size: 1.1rem;
}
/*# sourceMappingURL=style.css.map */
```

JavaScript

main.js

```
let urlPath = window.location.pathname

if(urlPath === '/register') validateRegistration()

if(urlPath === '/contact') validateContact()

if(urlPath === '/login') validateLogin()

if(urlPath === '/reset') resetPasswordRequest()

if(urlPath === '/posts') postsPage()

if(urlPath === '/dashboard/modify') categoryModify()

if(urlPath === '/dashboard/surveys') addQuestion()

// VALIDATE REGISTER FORM

function validateRegistration() {

    const firstNameRegex = /^[A-Z]{1}[a-z]{2,14}$/

    const lastNameRegex = /^[A-Z]{1}[a-z]{4,29}$/

    const passwordRegex = /^[A-Z]{1}[a-z0-9!@#$%^&*]{7,19}$/

    const userMailRegex =
        /^[a-zA-Z0-9]([a-z] | [0-9])+\._?_?([a-z] | [0-9])*\.?([a-z] | [0-9])*@\([a-z]{3,}\)\.([a-z]{2,4})\.( [a-z]{2,4})$/ 

    const userNameRegex = /^[a-zA-Z]{1}[a-zA-Z0-9]{4,29}$/
```

```
const registrationForm = document.getElementById('registrationForm')

const firstName = document.getElementById('firstName')

const lastName = document.getElementById('lastName')

const userPassword = document.getElementById('password')

const passwordRepeat = document.getElementById('rePassword')

const userMail = document.getElementById('userMail')

const userName = document.getElementById('userName')

registrationForm.addEventListener('submit', (event) => {

    if(!registerButton()) {

        event.preventDefault()

        checkField(firstName, 'First name', firstNameRegex)

        checkField(lastName, 'Last name', lastNameRegex)

        checkField(userPassword, 'Password', passwordRegex)

        checkField(passwordRepeat, 'Repeated password', passwordRegex)

        checkField(userMail, 'Mail', userMailRegex)

        checkField(userName, 'Username', userNameRegex)

        checkPassword(userPassword.value, passwordRepeat.value)

    }

})

function registerButton() {
```

```
if (

    checkField(firstName, 'First name', firstNameRegex) &&

    checkField(lastName, 'Last name', lastNameRegex) &&

    checkField(userPassword, 'Password', passwordRegex) &&

    checkField(passwordRepeat, 'Repeated password', passwordRegex) &&

    checkField(userMail, 'Mail', userMailRegex) &&

    checkField(userName, 'Username', userNameRegex) &&

    checkPassword(userPassword.value, passwordRepeat.value)

) return 1

return 0

}

function checkPassword(password, repeat) {

let infoText = passwordRepeat.nextElementSibling.nextElementSibling

if(password !== repeat || repeat === '') {

    infoText.className = 'red-text'

    infoText.innerHTML = 'Repeated password does not match!'

    return 0

}

return 1

}
```

```
addListenerForField(firstName, 'First name', firstNameRegex, 'keyup')

addListenerForField(firstName, 'First name', firstNameRegex, 'blur')

addListenerForButton(firstName, registerButton, 'keyup')

addListenerForField(lastName, 'Last name', lastNameRegex, 'keyup')

addListenerForField(lastName, 'Last name', lastNameRegex, 'blur')

addListenerForButton(lastName, registerButton, 'keyup')

addListenerForField(userName, 'Username', userNameRegex, 'keyup')

addListenerForField(userName, 'Username', userNameRegex, 'blur')

addListenerForButton(userName, registerButton, 'keyup')

addListenerForField(userMail, 'Mail', userMailRegex, 'keyup')

addListenerForField(userMail, 'Mail', userMailRegex, 'blur')

addListenerForButton(userMail, registerButton, 'keyup')

addListenerForField(userPassword, 'Password', passwordRegex, 'keyup')

addListenerForField(userPassword, 'Password', passwordRegex, 'blur')

addListenerForButton(userPassword, registerButton, 'keyup')

passwordRepeat.addEventListener('keyup', checkPassword)

addListenerForField(passwordRepeat, 'Repeated password', passwordRegex, 'keyup')
```

```
addListenerForField(passwordRepeat, 'Repeated password', passwordRegex, 'blur')

addListenerForButton(passwordRepeat, registerButton, 'keyup')

}

// END OF VALIDATE REGISTER FORM

// VALIDATE LOGIN FORM

function validateLogin() {

    const userIdRegex =
/^(([a-zA-Z0-9]([a-z]|[0-9])+\.?-?_?([a-z]|[0-9])*)*\?.?([a-z]|[0-9])*\@[a-z]{3,}\.( [a-z]{2,4}\.)?([a-z]{2,4}))|([([a-z]{1})[a-zA-Z0-9]{4,29}))$/ 

    const passwordRegex = /[^A-Z]{1}[a-zA-Z0-9!@#$%^&*]{7,19}/

    const loginForm = document.getElementById('loginForm')

    const userId = document.getElementById('userId')

    const userPassword = document.getElementById('userPassword')

    addListenerForButton(userId, loginButton, 'keyup')

    addListenerForField(userId, 'Your ID', userIdRegex,'blur')

    addListenerForField(userId, 'Your ID', userIdRegex,'keyup')

    addListenerForField(userPassword, 'Password', passwordRegex, 'keyup')
```

```
addListenerForField(userPassword, 'Password', passwordRegex, 'blur')

addListenerForButton(userPassword, loginButton, 'keyup')

function loginButton() {
    if (
        checkField(userId, 'Your ID', userIdRegex) &&
        checkField(userPassword, 'Password', passwordRegex)
    ) return 1
    return 0
}

// END OF VALIDATE LOGIN FORM

// CONTACT MESSAGE

function validateContact() {
    const userMailRegex =
        /^[a-zA-Z0-9]([a-z]|[0-9])+\.\?-\?_?([a-z]|[0-9])*\.?([a-z]|[0-9])*@\{[a-z]\}\{3,\}\.([a-z]\{2,4\}\.)?([a-z]\{2,4\})$/i
    const mailField = document.getElementById('contactMail')
```

```
const messageBody = document.getElementById('messageBody')

const contactForm = document.getElementById('contactForm')

contactForm.addEventListener('submit', event => {

    if(contactButton())

    event.preventDefault()

    checkField(mailField, 'E-mail', userMailRegex)

    checkBody()

})

function checkBody() {

    if(messageBody.value == 0) {

        messageBody.nextElementSibling.nextElementSibling.innerText = 'Message can\'t be empty'

        return 1

    }

    else {

        messageBody.nextElementSibling.nextElementSibling.innerText = ''

        return 0

    }

}

function contactButton() {
```

```
if (

    checkField(mailField, 'E-mail', userMailRegex) &&

    checkBody()

) return 1

return 0

}

addListenerForField(mailField, 'E-mail', userMailRegex, 'keyup')

addListenerForField(mailField, 'E-mail', userMailRegex, 'blur')

addListenerForButton(mailField, contactButton, 'keyup')

}

// END OF CONTACT MESSAGE

// FORM VALIDATION METHODS

function fieldValid(field) {

    field.nextElementSibling.nextElementSibling.innerHTML = ''

}

function fieldInvalid(field, text) {

    field.nextElementSibling.nextElementSibling.innerText = `${text}`
```

```
field.nextElementSibling.nextElementSibling.classList.add('red-text')

}

function checkField(field, fieldName, expression) {

    let fieldValue = field.value

    return checkRegEx(expression, fieldValue, fieldName, field)

}

function checkRegEx(expression, fieldValue, fieldName, field) {

    if(expression.test(String(fieldValue))) {

        fieldValid(field)

        return 1 // Is valid, return 1

    } else {

        fieldInvalid(field, `${fieldName} is not as expected!`)

        return 0 // It isn't as expected, return 0

    }

}

function checkBtn(callback) {

    if(callback()) return 1

    return 0

}
```

```
function addListenerForField(field, fieldName, expression, event) {  
  
    field.addEventListener(event, () => {  
  
        checkField(field, fieldName, expression)  
  
    })  
}  
  
function addListenerForButton(field, callback, event) {  
  
    field.addEventListener(event, () => {  
  
        checkBtn(callback)  
  
    })  
}  
  
// END OF FORM VALIDATION METHODS  
  
// ADD Categories  
  
function categoryModify() {  
  
    document.getElementById('addCategoryBtn').addEventListener('click', () => {  
  
        let inputField = document.getElementById('addCategoryField')  
  
        if(inputField.classList.contains('hide')) {  
  
            inputField.classList.remove('hide')  
  
        } else inputField.classList.add('hide')  
    })  
}
```

```
        })
    }

// END OF ADD Categories

// DEACTIVATE POLL

document.querySelectorAll('.deactivate-survey').forEach(button => {
    button.addEventListener('click', (event) => {
        let surveyId = event.target.parentElement.parentElement.children[0].innerText
        let data = {survey_id: surveyId}
        let xhr = new XMLHttpRequest()
        xhr.open('POST', '/dashboard/surveys', true)
        xhr.setRequestHeader('Content-type', 'application/json')
        xhr.send(JSON.stringify(data))
        event.target.className = 'red-text material-icons'
        event.target.innerText = 'close'
    })
})

// END OF DEACTIVATE POLL

// APPROVE POST

document.querySelectorAll('.approve-post').forEach(button => {
    button.addEventListener('click', (event) => {
```

```
let postId = event.target.parentElement.parentElement.children[0].innerText

let data = {post_id: postId}

let xhr = new XMLHttpRequest()

xhr.open('POST', '/dashboard/posts', true)

xhr.setRequestHeader('Content-type', 'application/json')

xhr.send(JSON.stringify(data))

event.target.className = 'green-text'

event.target.innerText = 'Approved'

})

})

// END OF APPROVE POST

// CHANGE ROLE

document.querySelectorAll('.role-change').forEach(list => {

list.addEventListener('change', (event) => {

let selectedRole = event.target.value

let user = event.target.parentElement.parentElement.parentElement.children[0].innerText

let data = {

role_id: selectedRole,

user_id: user

}

let xhr = new XMLHttpRequest()
```

```
xhr.open('POST', '/dashboard/users', true)

xhr.setRequestHeader('Content-type', 'application/json')

xhr.send(JSON.stringify(data))

})

}

// END OF CHANGE ROLE

// ADD QUESTION

function addQuestion() {

let questionFields = document.getElementById('addQuestionField')

document.getElementById('addQuestion').addEventListener('click', () => {

if(questionFields.classList.contains('hide')) {

questionFields.classList.remove('hide')

} else questionFields.classList.add('hide')

}

}

// END OF ADD QUESTION
```

```
// REPLY

document.querySelectorAll('.reply-button').forEach(btn => {

  btn.addEventListener('click', (event) => {

    let clicked = event.target

    let replyField = clicked.parentElement.parentElement.parentElement.nextElementSibling

    if(replyField.classList.contains('hide')) {

      replyField.classList.remove('scale-out')

      replyField.classList.remove('hide')

      replyField.classList.add('scale-in')

    } else {

      replyField.classList.remove('scale-in')

      replyField.classList.add('scale-out')

      replyField.classList.add('hide')

    }

  })

})

// END OF REPLY

// AJAX FOR WRITING DATA FROM DATABASE

function postsPage() {

  document.addEventListener('DOMContentLoaded', () => {

    // code here
  })
}
```

```
fetchPosts (writePosts)

})

function fetchPosts(callback, page) {
    let xhr = new XMLHttpRequest()

    xhr.open('GET', '/posts-api', true)

    xhr.onload = function() {
        if(this.status === 200) {

            let data = JSON.parse(this.responseText)

            callback(data, page)
        }
    }

    xhr.send()
}

function paginatePosts(posts, page = 1) {
    const paginationNumbers = document.getElementById('paginationContainer')

    let perPage = 10

    let numberOfPages = Math.ceil( posts.length / perPage)

    let number = ''

    let paginatedPosts = []
}
```

```
for(let i = 1; i <= numberOfPages; i++) number += `<li class="waves-effect"><span class="paginate-number blue-text text-lighten-1 p-1" data-number="${i}">${i}</span></li>`  
  
paginationNumbers.innerHTML = number.length ? number : ''  
  
document.querySelectorAll('.paginate-number').forEach(number => {  
  
    number.addEventListener('click', event => {  
  
        let pageNumber = Number(event.target.dataset.number)  
  
        paginateChanged(pageNumber)  
  
    })  
  
})  
  
for(let i = (page - 1) * perPage; i < page * perPage; i++) {  
  
    if(i >= posts.length) break  
  
    paginatedPosts.push(posts[i])  
  
}  
  
return paginatedPosts  
  
}  
  
document.getElementById('searchPosts').addEventListener('keyup', filterChanged)  
  
function filterByCategory(posts) {  
  
    let checkedCategories = document.querySelectorAll('.categories:checked')  
    let filteredPosts = posts.filter(post => checkedCategories.some(category => post.category === category))  
    return filteredPosts  
}
```

```
let categoriesIds = []

checkedCategories.forEach(category => categoriesIds.push(Number(category.value)))

if(!categoriesIds.length) return posts

let filterObject = { categories: categoriesIds }

let xhr = new XMLHttpRequest()

xhr.open('POST', '/posts-api', true)

xhr.onload = function() {

    if(this.status === 200) {

        let data = JSON.parse(this.responseText)

        writeFilteredPosts(data, 1)

    }

}

xhr.send(JSON.stringify(filterObject))

}

document.querySelectorAll('.categories')

.forEach(category => category.addEventListener('change', filterChanged))
```



```
    }

postsTable.innerHTML = postRow.length ? postRow : '<tr><td>No posts found</td></tr>'

}

function writePosts(posts, page) {

    const postsTable = document.getElementById('postContainer')

    let postRow = ''


    posts = posts.sort( (a,b) => a.CreatedAt < b.CreatedAt ? 1 : -1)

    posts = searchPosts(posts)

    posts = filterByCategory(posts)

    posts = paginatePosts(posts, page)

    for(let post of posts) {

        postRow += `

            <tr>

                <td>

                    <a href="/view-post?id=${post.PostId}">${post.PostTitle}</a>

                </td>

            </tr>
        `
    }
}
```

```
        }

postsTable.innerHTML = postRow.length ? postRow : '<tr><td>No posts found</td></tr>'

}

function paginateChanged(number) {

    fetchPosts(writePosts, number)

}

function filterChanged() {

    fetchPosts(writePosts, 1)

}

}

// END OF AJAX FOR WRITING DATA FROM DATABASE

function pageLoader() {

    setTimeout(() => {

        $('.preloader').fadeOut();

    }, 2000)
```

```
setTimeout(() => {
    $('.preloader').remove();
}, 4000)

}

// MATERIALIZE & JQUERY DEPENDENCIES LOAD

$(document).ready(() => {
    pageLoader()

    $('select').formSelect()

    $('.materialboxed').materialbox()

    $('.sidenav').sidenav()

    $('.parallax').parallax()

    $('.modal').modal()
})

// END OF MATERIALIZE & JQUERY DEPENDENCIES LOAD
```

WireFrame