

Visoka škola strukovnih studija za informacione  
i komunikacione tehnologije

# SignalSphere

<https://signal-sphere.000webhostapp.com/index.php>

Smer: Internet tehnologije

Modul: Internet tehnologije

Predmet: Praktikum Web programiranje PHP 1

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## 1. Uvod

- sajt je radjen kao nadogradnja na sajt web programiranje php-1, link sajta je isti (isti host link).

### 1.1 Programski jezici

- HTML 5

- Bootstrap
- CSS
- JavaScript
- PHP
- MySQL
- jQuery
- Ajax

## 1.2 Kredencijali za pristup

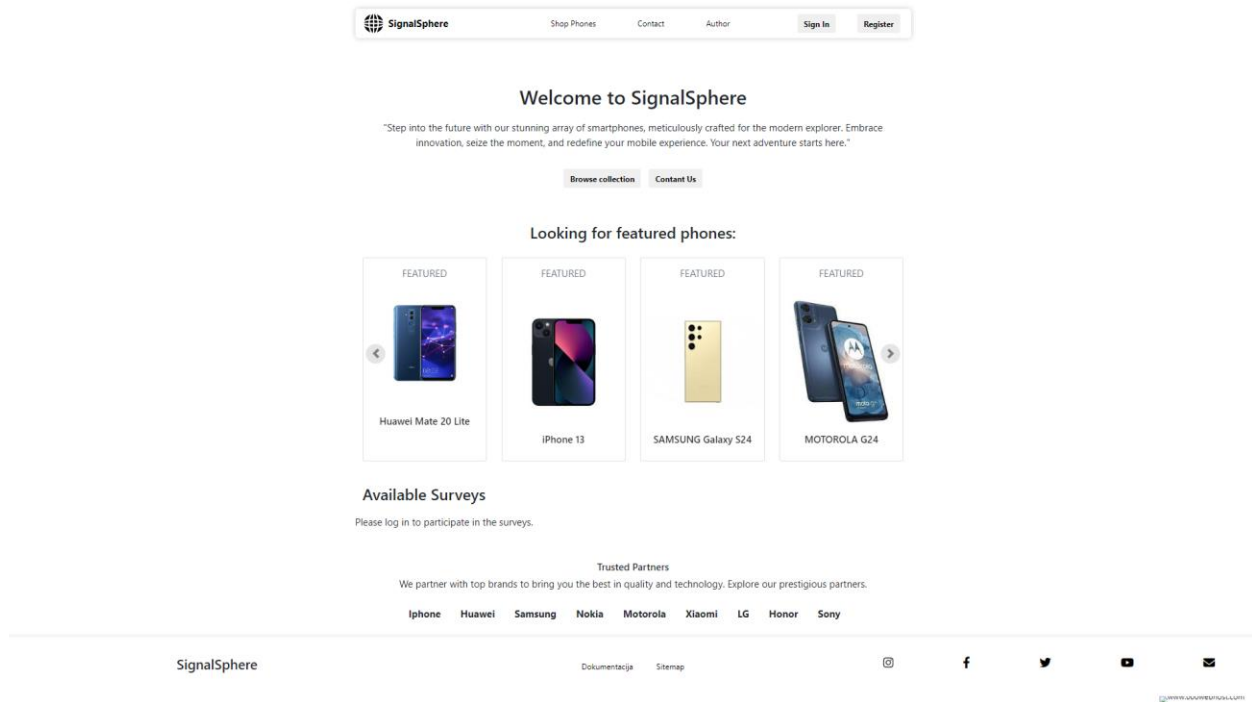
- [admin@gmail.com](mailto:admin@gmail.com)

- admin123!

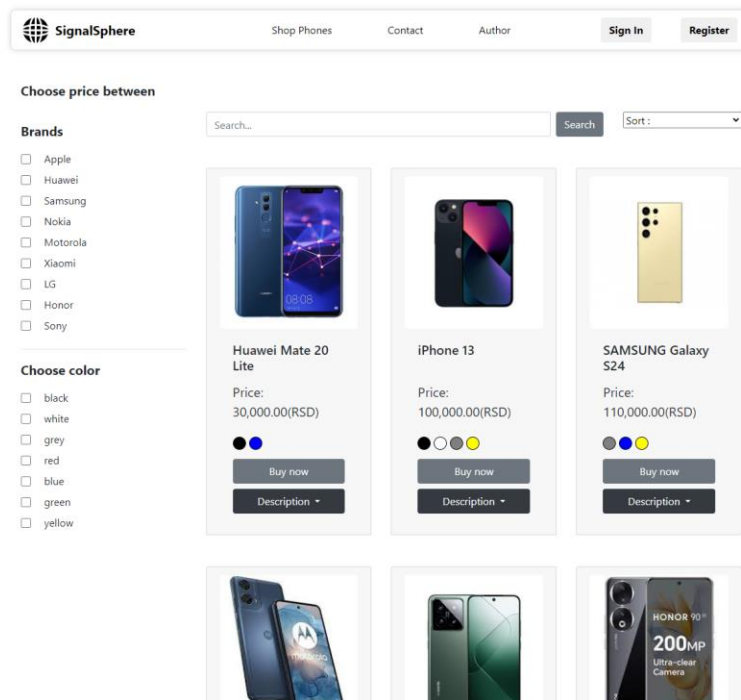
- [user@gmail.com](mailto:user@gmail.com)

- user123!

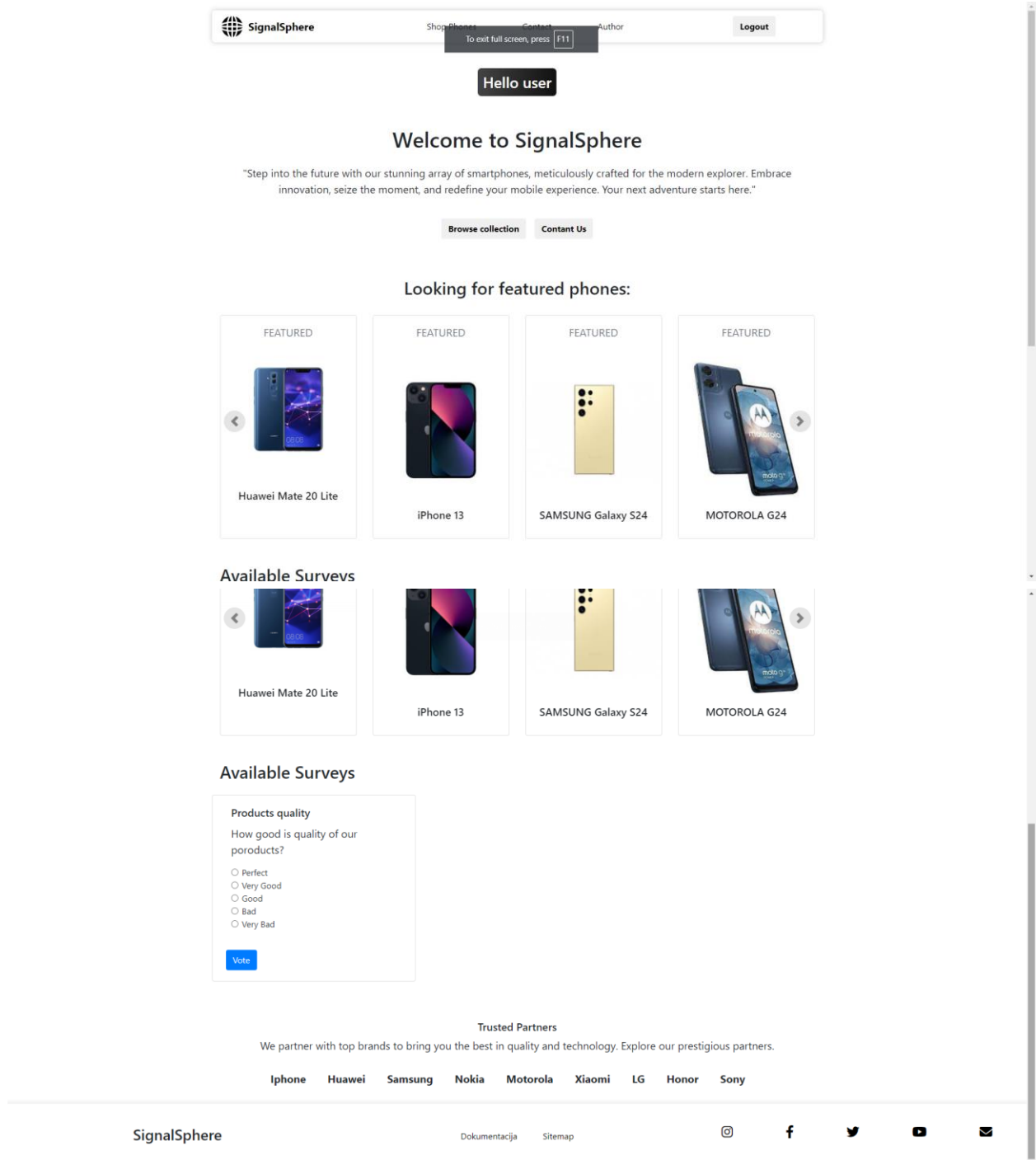
## 2. Slike stranica I kratak opis




- Pocetna stranica sa prikazom telefona(slike telefona su thumbnail-ovi) koji su kreirane u adminPanelu pri dodavanju novog telefona



- Shop stranica koja ima filtriranje, sortiranje, search i paginaciju



- User kada je prijavljen ima mogućnost glasanja na anketu rezultati su prikazani na admin nalogu.

 SignalSphere

[Dashboard](#)[AdminPanel](#)[Surveys](#)[Logout](#)

### Survey Statistics

#### Test

Is survey working???

Yes: 3 votes

No: 0 votes

maybe???: 1 votes

#### Products quality

How good is quality of our poroducts?

Perfect: 0 votes

Very Good: 0 votes

Good: 0 votes

Bad: 0 votes

Very Bad: 0 votes

### Create New Survey

Survey Title:

Survey Question:






Answer 1:

Answer 2:


[Add Answer](#)[Create Survey](#)

SignalSphere

[About Us](#)[Contact Us](#)





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[Shop Phones](#)[Contact](#)[Author](#)[Logout](#)






### Contact Administrator

Subject


Message

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- Stranica za kontaktiranje administratora – rezultati poruka su prikazani na admin nalogu.

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[Dashboard](#)[AdminPanel](#)[Surveys](#)[Logout](#)

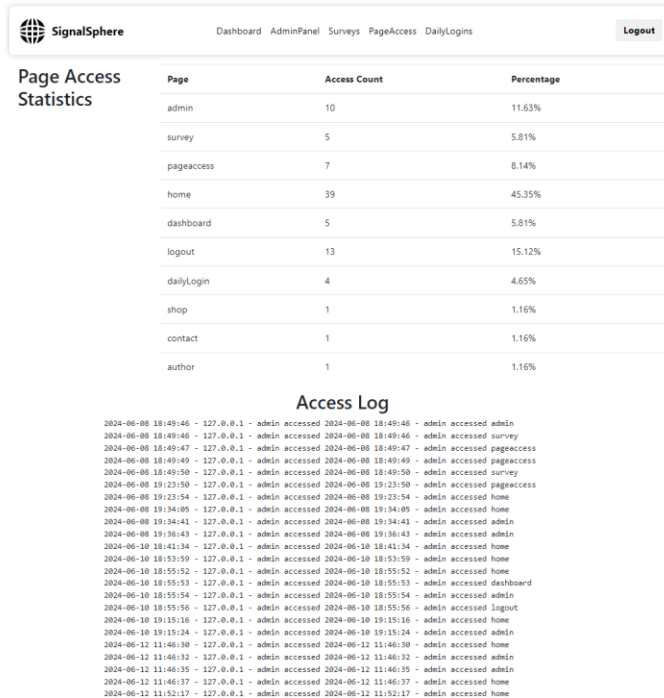
### Admin Dashboard

Username	Email	Subject	Message	Submitted At	Action
user	user@gmail.com	Test	test	2024-05-17 14:51:47	<input type="button" value="Delete"/>
MladenBajkic	mladenbajkic1@gmail.com	PHP sajt	poruka...	2024-05-17 15:05:51	<input type="button" value="Delete"/>


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[Dokumentacija](#)[Sitemap](#)





- Dodatna stranica PageAccess koja ima mogucnost prikupljanja podataka samo ulogovanim korisnicima kad je koji korisnik pristupio kojoj stranici I u koje vreme.

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DashboardAdminPanelSurveysPageAccessDailyLogins


Logout

Daily Logins

Broj korisnika koji su se ulogovali danas: 3

Username	Email	Last logged in
admin	admin@gmail.com	2024-06-12 11:18:44
user	user@gmail.com	2024-06-12 11:18:24
MladenBajkic	mladenbajkic1@gmail.com	2024-06-12 11:58:50

- Stranica o DailyLogis koja pokazuje ulogovane korisnike tekuceg dana. Svakog dana se restuje.

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Shop PhonesContactAuthor

Sign InRegister

Login

Account is locked. Remaining time: 15 seconds.

Email

Enter email

Password

Enter password

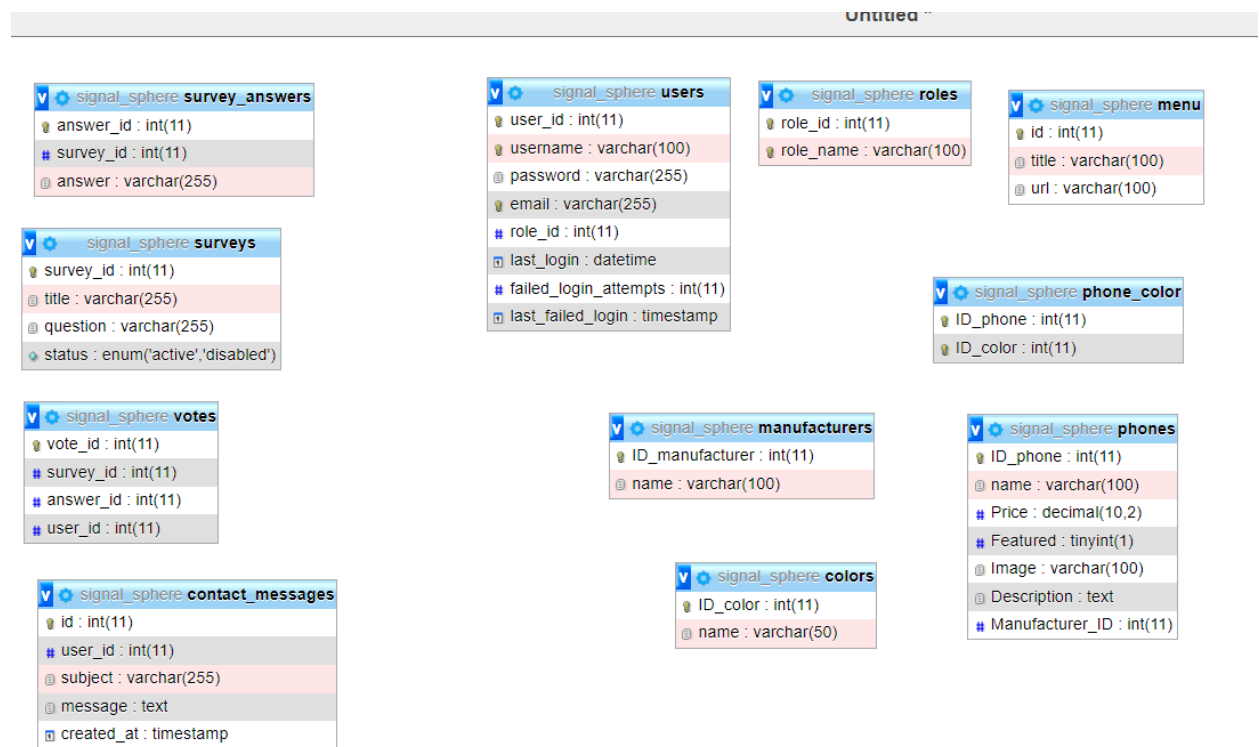
Login

www.uuwwedrusl.com

www.uuwwedrusl.com

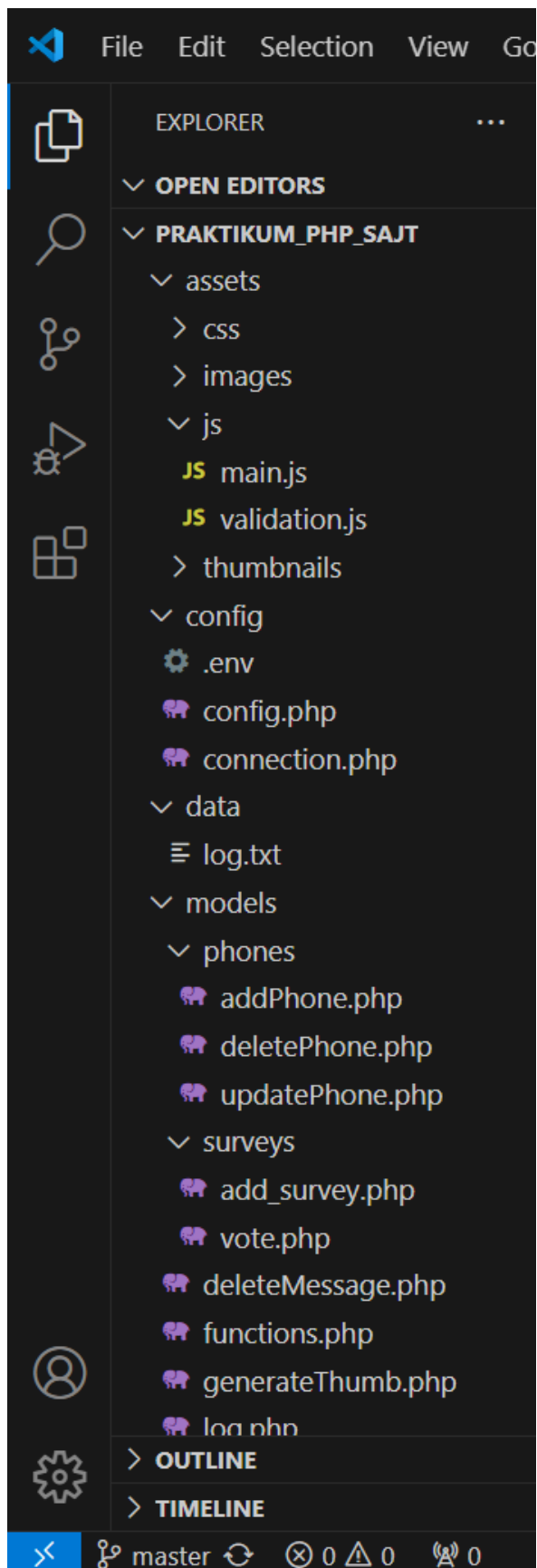
- Dodatak na stranici za logovanje da se nalog zakljuca pri neuspehom pokusavanju logovanje 3 puta u roku od 5 minuta. Kada se korisnik uloguje ili izloguje taj broj pokusaja se vraca na 0.

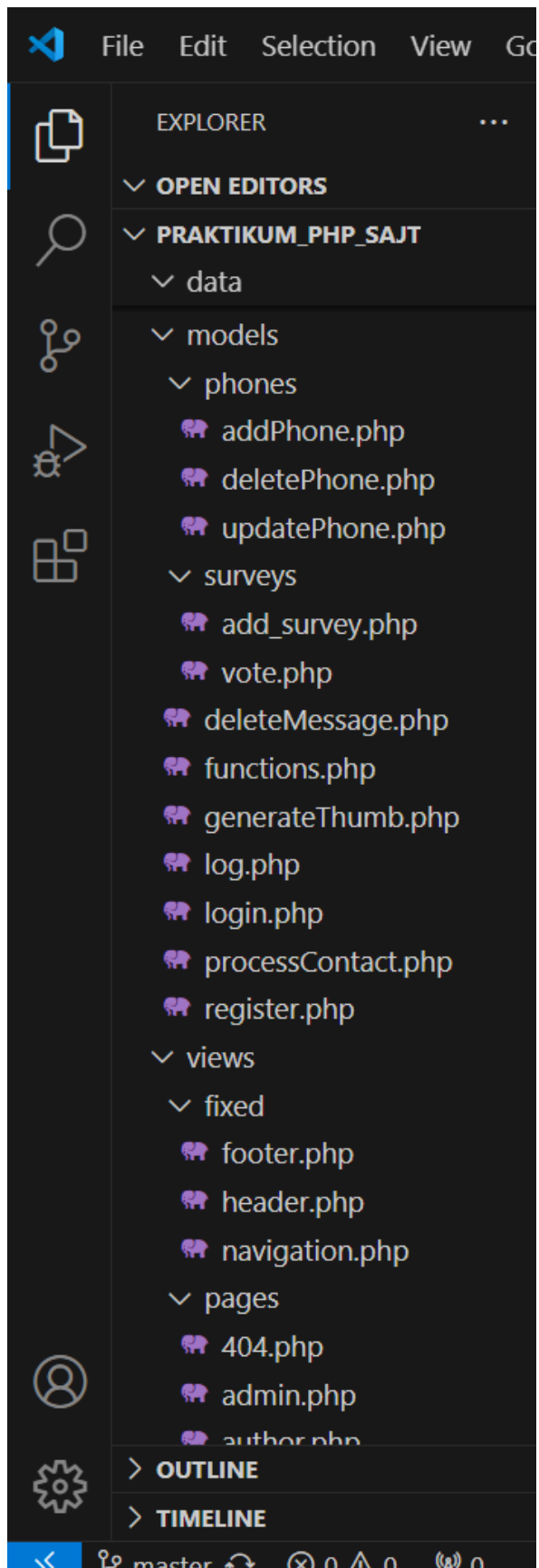
### 3. Dizajn baze

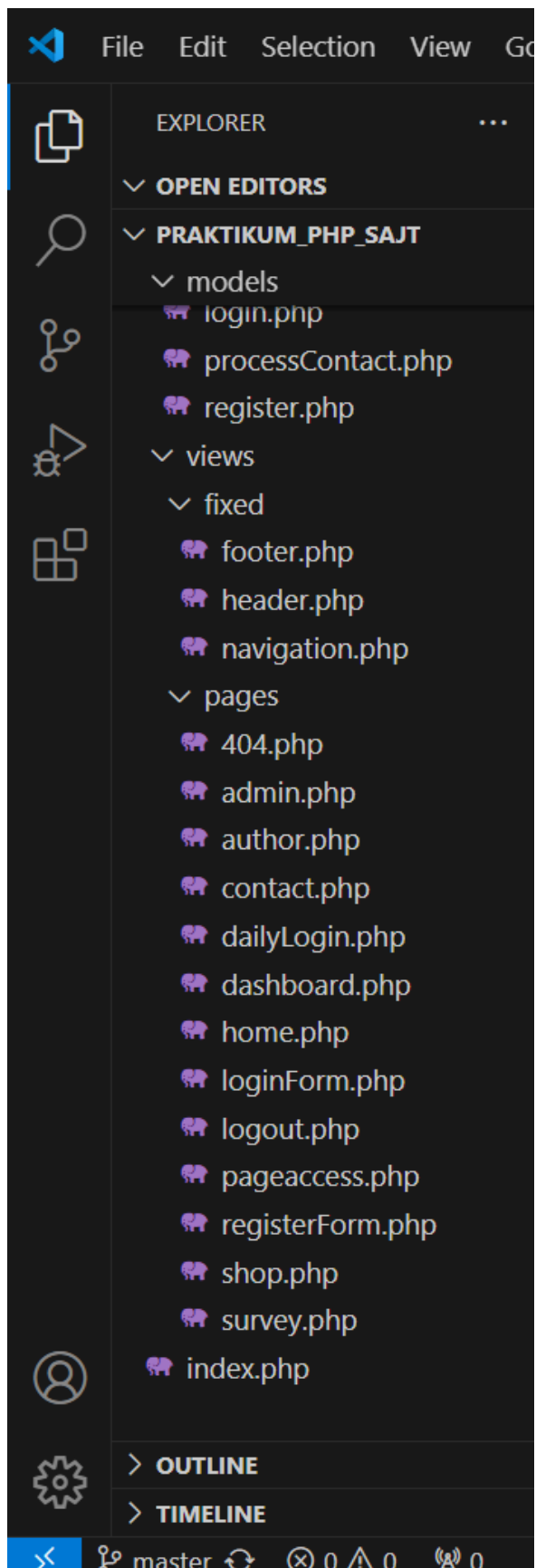


- Veze su kreirane u kodu jer imam problem sa kreiranjem direktno u phpmyadminu

#### 4. Struktura projekta









## 5. Kodovi

### - index.php

```
<?php
session_start();
include("config/connection.php");
include("models/functions.php");
include("models/log.php");

$menuItems = getAll('menu');

include "views/fixed/header.php";

$page = isset($_GET['page']) ? $_GET['page'] : 'home';
if(isset($_SESSION['username'])) {
    $user = $_SESSION['username'];
} else {
    $user = "Anonymous";
}
$timestamp = date('Y-m-d H:i:s');
logAccess("$timestamp - $user accessed $page");

include "views/fixed/navigation.php";

switch ($page) {
    case 'home':
        include "views/pages/home.php";
        break;
    case 'admin':
        include "views/pages/admin.php";
        break;
    case 'author':
        include "views/pages/author.php";
        break;
    case 'contact':
        include "views/pages/contact.php";
        break;
    case 'dashboard':
        include "views/pages/dashboard.php";
        break;
    case 'login':
        include "views/pages/loginForm.php";
        break;
}
```

```
case 'logout':
    include "views/pages/logout.php";
    break;
case 'register':
    include "views/pages/registerForm.php";
    break;
case 'shop':
    include "views/pages/shop.php";
    break;
case 'survey':
    include "views/pages/survey.php";
    break;
case 'pageaccess':
    include "views/pages/pageaccess.php";
    break;
case 'dailyLogin':
    include "views/pages/dailyLogin.php";
    break;
default:
    include "views/pages/404.php";
    break;
}

include "views/fixed/footer.php";
?>
```

- config/.env

```
DB_NAME=signal_sphere
SERVER=localhost
USERNAME=root
PASSWORD=
```

## - config/config.php

```
<?php

define("BASE_URL", "http://127.0.0.1/PRAKTIKUM_PHP_SAJT/");
define("ABSOLUTE_PATH", $_SERVER["DOCUMENT_ROOT"]."/PRAKTIKUM_PHP_SAJT/");

// Ostala podesavanja
define("ENV_FAJL", ABSOLUTE_PATH."config/.env");
define("LOG_FAJL", ABSOLUTE_PATH."data/log.txt");

define("SERVER", env("SERVER"));
define("DATABASE", env("DB_NAME"));
define("USERNAME", env("USERNAME"));
define("PASSWORD", env("PASSWORD"));

function env($naziv) {
    if (!file_exists(ENV_FAJL)) {
        die("The environment file does not exist.");
    }

    $podaci = file(ENV_FAJL);
    $vrednost = "";

    foreach ($podaci as $value) {
        $konfig = explode("=", $value, 2);
        if (count($konfig) == 2 && trim($konfig[0]) == $naziv) {
            $vrednost = trim($konfig[1]);
            break;
        }
    }

    if (empty($vrednost) && $naziv != 'PASSWORD') {
        die("Environment variable '$naziv' not found.");
    }

    return $vrednost;
}
?>
```

## - config/connection.php

```
<?php

require_once "config.php";

try {
    $conn = new PDO("mysql:host=".SERVER.";dbname=".DATABASE.";charset=utf8",
    USERNAME, PASSWORD);
    $conn->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE, PDO::FETCH_OBJ);
    $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $ex) {
    echo $ex->getMessage();
}
```

## - main.js

```
- function deletePhone(phoneID) {
-     if (confirm('Are you sure you want to delete this phone?')) {
-         $.ajax({
-             url: 'models/phones/deletePhone.php',
-             method: 'POST',
-             data: { phoneID: phoneID },
-             success: function(response) {
-                 if (response.success) {
-                     $('#phone-row-' + phoneID).remove();
-                     alert('Phone deleted successfully.');
```

```

-     $('#updatePhoneId').val(phoneData.ID_phone);
-     $('#updatePhoneName').val(phoneData.name);
-     $('#updatePhonePrice').val(phoneData.Price);
-     $('#updatePhoneDescription').val(phoneData.Description);
-     $('#updatePhoneFeatured').val(phoneData.Featurred);
-
-     var manufacturerName = phoneData.manufacturer_name;
-     $('#updatePhoneManufacturer option').filter(function() {
-         return $(this).text() === manufacturerName;
-     }).prop('selected', true);
-
-     var colors = $('#phone-row-' +
phoneData.ID_phone).data('colors');
-
-     $('#.update-phone-color2').prop('checked', false);
-
-     if (colors) {
-         $('#.update-phone-color2').each(function() {
-             var colorName = $(this).next().text().trim();
-             if (colors.includes(colorName)) {
-                 $(this).prop('checked', true);
-             }
-         });
-     }
- });
- //end filled form update
-
- //database update
- $('#updatePhoneForm').submit(function(event) {
-     event.preventDefault();
-     var formData = $(this).serialize();
-
-     $.ajax({
-         type: 'POST',
-         url: 'models/phones/updatePhone.php',
-         data: formData,
-         dataType: 'json',
-         success: function(response) {
-             if (response.success) {
-                 $('#updatePhoneModal').modal('hide');
-                 alert(response.message);
-                 location.reload();
-             } else {
-                 alert(response.message);
-             }
-         }
-     });
- });

```

```

-         },
-         error: function(xhr, status, error) {
-             console.error(xhr.responseText);
-         }
-     });
- });
- //end database update
-
- //surveys
- var answerIndex = 4;
-
- function addAnswerField() {
-     var answerField = `
-         <div class="form-group">
-             <label for="answer${answerIndex}">Additional Answer
- ${answerIndex - 1}</label>
-             <input type="text" id="answer${answerIndex}"
- name="answers[]" class="form-control" required>
-         </div>
-     `;
-     $('#answers-container').append(answerField);
-     answerIndex++;
- }
-
- $('#add-answer-btn').click(function() {
-     addAnswerField();
- });
- // end-surveys
-
- $(document).ready(function() {
-     $('#chbCSS').change(function() {
-         $('#filterForm').submit();
-     });
- });
-
- // function updateContent() {
- //     var selectedBrands = [];
- //     var selectedColors = [];
- //     document.querySelectorAll('input[name="brands[]"]:checked').
- forEach(function(checkbox) {
- //         selectedBrands.push(checkbox.value);
- //     });
- //     document.querySelectorAll('input[name="colors[]"]:checked').
- forEach(function(checkbox) {
- //         selectedColors.push(checkbox.value);

```

```

-         //     });
-
-         //     fetch(`index.php?page=shop?brands=${selectedBrands.join(',')}&colors=${selectedColors.join(',')}`)
-         //     .then(response => {
-         //         if (!response.ok) {
-         //             throw new Error('Network response was not ok');
-         //         }
-         //         return response.text();
-         //     })
-         //     .then(data => {
-         //         document.getElementById('phoneDataContainer').innerHTML =
data;
-         //     })
-         //     .catch(error => {
-         //         console.error('There was a problem with the fetch
operation:', error);
-         //     });
-
-         // });
-
-         /*buy button*/
-         document.querySelectorAll('.buy-now').forEach(function(button) {
-             button.addEventListener('click', function() {
-                 var name = this.getAttribute('data-name');
-                 var image = this.getAttribute('data-image');
-                 var price = this.getAttribute('data-price');
-                 var colors = this.getAttribute('data-colors').split(', ');
-
-                 var phoneDetailsHtml = `
-                     
-                     <h5>${name}</h5>
-                     <p>Price: ${price}(RSD)</p>
-                 `;
-                 document.querySelector('.phone-details').innerHTML =
phoneDetailsHtml;
-
-                 var colorOptionsHtml = '<p>Choose color:</p>';
-                 colors.forEach(function(color) {
-                     colorOptionsHtml += `
-                         <label class="color-option">
-                             <input type="radio" name="color"
value="${color}">

```

```

-         <span class="color-dot" style="background-
- color: ${color};"></span>
-         </label>
-         `;
-     });
-     document.querySelector('.color-options').innerHTML =
-     colorOptionsHtml;
-
-     $('#phoneModal').modal('show');
- });
- });
-
-     document.querySelector('.finish-
- shopping').addEventListener('click', function() {
-         alert('Thank you for shopping!');
-         $('#phoneModal').modal('hide');
-     });
- });

```

## - validation.js

```

$(document).ready(function(){
    // registratio form
    $('#registerForm').submit(function(event) {
        event.preventDefault();

        let username = $('#username').val().trim();
        let email = $('#email').val().trim();
        let password = $('#password').val().trim();

        let usernameRegex = /^[a-zA-Z]{4,}$/; // Prvo slovo veliko ili
        malo,ostalo malo
        let emailRegex = /^[a-zA-Z][a-zA-Z0-9]*@[a-z]+\.[a-z]+$/; // samo mala
        slova pre i posle '@'
        let passwordRegex = /^(?=.*[A-Za-z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-
        z\d@$!%*?&]{6,}$/; // Jedan broj, jedno slovo, jedan specijalan karatker,
        najmanje 6 karaktera

        let usernameError = $('#usernameError');
        let emailError = $('#emailError');
        let passwordError = $('#passwordError');

        usernameError.text('');

```



```
emailError.text('');
passwordError.text('');

if (!usernameRegex.test(username)) {
    usernameError.text('Username must start with a letter and contain
only lowercase letters.');
```

return;

}

```
if (!emailRegex.test(email)) {
    emailError.text('Please enter a valid email address.');
```

return;

}

```
if (!passwordRegex.test(password)) {
    passwordError.text('Password must contain at least one letter, one
number, one special character, and be at least 6 characters long.');
```

return;

}

```

window.location.href = "index.php";
this.submit();
});

// contact admin validation
document.getElementById('contactForm').addEventListener('submit',
function(event) {
    const subjectPattern = /^[a-zA-Z\s]+$/;
    const messagePattern = /^.{1,1000}$/;

    const subject = document.getElementById('subject').value;
    const message = document.getElementById('message').value;

    if (!subjectPattern.test(subject)) {
        alert('Please enter a valid subject.');
```

event.preventDefault();

return false;

}

```

    if (!messagePattern.test(message)) {
        alert('Please enter a valid message.');
```

event.preventDefault();

return false;

}

```
    return true;  
  });  
});
```

- data/log.txt

2024-06-08 18:49:46 - 127.0.0.1 - admin accessed  
2024-06-08 18:49:46 - admin accessed admin  
2024-06-08 18:49:46 - 127.0.0.1 - admin accessed  
2024-06-08 18:49:46 - admin accessed survey  
2024-06-08 18:49:47 - 127.0.0.1 - admin accessed  
2024-06-08 18:49:47 - admin accessed pageaccess  
2024-06-08 18:49:49 - 127.0.0.1 - admin accessed  
2024-06-08 18:49:49 - admin accessed pageaccess  
2024-06-08 18:49:50 - 127.0.0.1 - admin accessed  
2024-06-08 18:49:50 - admin accessed survey  
2024-06-08 19:23:50 - 127.0.0.1 - admin accessed  
2024-06-08 19:23:50 - admin accessed pageaccess  
2024-06-08 19:23:54 - 127.0.0.1 - admin accessed  
2024-06-08 19:23:54 - admin accessed home  
2024-06-08 19:34:05 - 127.0.0.1 - admin accessed  
2024-06-08 19:34:05 - admin accessed home  
2024-06-08 19:34:41 - 127.0.0.1 - admin accessed  
2024-06-10 18:55:56 - admin accessed logout

## - views/fixed/header.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">
    <meta name="keywords" content="phones, samsung, iphone, memory, price">
    <title>Signal Sphere - Home Page</title>
    <link rel="icon" href="assets/images/phoneSPhere.png" type="image/png">
    <link rel="stylesheet" href="assets/css/style.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css">
    <link
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">
    <script
    src="https://code.jquery.com/jquery-3.6.0.min.js"
    integrity="sha256-/xUj+30JU5yExlq6GSYGSHk7tPXikynS7ogEvDej/m4="
    crossorigin="anonymous"></script>
    <script src="assets/js/validation.js"></script>
    <script src="assets/js/main.js"></script>
</head>
<body>
```

## - views/fixed/footer.php

```
<div class="container-fluid">
    <div class="row footer">
        <div class="col-sm-12 col-lg-4 justify-content-center d-flex align-
items-center">
            <h3>SignalSphere</h3>
        </div>
        <div class="col-sm-12 col-lg-4 justify-content-center d-flex align-
items-center divForFooterLinks">
            <a href="" target="_blank">Dokumentacija</a>
        </div>
        <div class="col-sm-12 col-lg-4 justify-content-center d-flex align-
items-center">
            <ul class="d-flex justify-content-between w-75">
```

```
        <li>
            <a href="https://www.instagram.com/" target="_blank"><i
class="fa-brands fa-xl fa-instagram"></i></a>
        </li>
        <li>
            <a href="https://www.facebook.com/" target="_blank"><i
class="fa-brands fa-xl fa-facebook-f"></i></a>
        </li>
        <li>
            <a href="https://www.twitter.com/" target="_blank"><i
class="fa-brands fa-xl fa-twitter"></i></a>
        </li>
        <li>
            <a href="https://www.youtube.com/" target="_blank"><i
class="fa-brands fa-xl fa-youtube"></i></a>
        </li>
        <li>
            <a href="https://www.gmail.com/" target="_blank"><i
class="fa-solid fa-xl fa-envelope"></i></a>
        </li>
    </ul>
</div>
</div>
</div>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-
U02eT0CpHq dSjQ6hJty5KVphtPhzWj9WO1c1HTMga3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></scrip
t></body>
</html>
```

## - views/navigation.php

```
<header class="container custom-header mt-3 mb-3">
    <div class="row align-items-center h-100 justify-content-between"
id="coverForAll">
        <div class="col-lg-3 col-md-2 col-sm-2 h-100 w-100 d-flex align-items-
center mb-3" id="omot">
            <a href="index.php" class="h-75">
                
            </a>
            <a href="index.php" class="m1-2 fs-2 bold-link
nameSignalSphere">SignalSphere</a>
        </div>
        <div class="col-md-7 col-sm-4 col-lg-5 w-100 text-center h-100 mb-2"
id="coverForLinks">
            <nav>
                <ul class="list-inline d-flex justify-content-around">
                    <?php
                    $adminLinks = [];
                    foreach ($menuItems as $menuItem) {
                        $isAdmin = isset($_SESSION['logged_in']) &&
$_SESSION['role_id'] == 1;

                        if ($isAdmin && ($menuItem->title == 'Contact' ||
$menuItem->title == 'Author' || $menuItem->title == 'Shop Phones')) {
                            continue;
                        }
                        $url = $menuItem->url == 'index.php' ? $menuItem->url :
"index.php?page=" . basename($menuItem->url, ".php");
                        if ($menuItem->title == 'Dashboard' || $menuItem->title
== 'AdminPanel' || $menuItem->title == 'Surveys' || $menuItem->title ==
'PageAccess' || $menuItem->title == 'DailyLogins') {
                            $adminLinks[] = '<li class="list-inline-item"><a
href="" . $url . ">' . $menuItem->title . '</a></li>';
                        } else {
                            echo '<li class="list-inline-item"><a href="" . $url
. ">' . $menuItem->title . '</a></li>';
                        }
                    }
                    if ($isAdmin) {
                        echo implode(' ', $adminLinks);
                    }
                <?>
            </nav>
        </div>
    </div>
</header>
```

```

        </ul>
    </nav>
</div>
<div class="row mb-3 col-md-3 col-lg-3 col-sm-6 w-100 text-right d-flex justify-content-end mr-2" id="coverForButtonLinks">
    <?php if (isset($_SESSION['logged_in'])): ?>
        <a href="index.php?page=logout" id="logout" class="btn buttons font-weight-bold">Logout</a>
    <?php else: ?>
        <a href="index.php?page=login" class="btn buttons w-40 font-weight-bold mr-3">Sign In</a>
        <a href="index.php?page=register" class="btn buttons w-40 font-weight-bold">Register</a>
    <?php endif; ?>
</div>
</div>
</header>

```

- views/pages/admin.php

```

<?php
    $tablePhoneData = getPhoneData();
    $tableColors = getAll('colors');
    $tableManufacturer = getAll('manufacturers');
?>
<div class="container">
    <!-- ispis -->
    <div class="row mt-5 mb-5">
        <div class="col-12">
            <h2>Phone Management</h2>
            <button class="btn btn-secondary mb-3" data-toggle="modal" data-target="#addPhoneModal">Add New Phone</button>
            <table class="table responsive-table">
                <thead>
                    <tr>
                        <th scope="col">Image</th>
                        <th scope="col">ID</th>
                        <th scope="col">Name</th>
                        <th scope="col">Price</th>
                        <th scope="col">Description</th>
                        <th scope="col">Colors</th>
                        <th scope="col">Featured</th>

```

```

        <th scope="col">Manufacturer</th>
        <th scope="col">Actions</th>
        <th scope="col"></th>
    </tr>
</thead>
<tbody>
    <?php foreach ($tablePhoneData as $phone): ?>
        <tr id="phone-row-<?=$phone->ID_phone; ?>" data-colors="<?=
htmlspecialchars(json_encode($phone->colors)); ?>">
            <td data-label="Image">image ?>" style="max-width: 100px;"></td>
            <td data-label="ID"><?=$phone->ID_phone; ?></td>
            <td data-label="Name"><?=$phone->name; ?></td>
            <td data-label="Price"><?=$phone->Price; ?></td>
            <td data-label="Description"><?=$phone->Description;
?></td>

            <td data-label="Colors"><?=$phone->colors; ?></td>
            <td data-label="Featured"><?=( $phone->Featured == 1) ?
'Yes' : 'No'; ?></td>
            <td data-label="Manufacturer"><?=$phone->
manufacturer_name; ?></td>
            <td data-label="Actions">
                <button class="btn btn-warning btn-sm update-phone-
btn" data-phone="<?= htmlspecialchars(json_encode($phone)); ?>" data-
toggle="modal" data-target="#updatePhoneModal">Update</button>
            </td>
            <td data-label="Delete">
                <button class="btn btn-danger btn-sm"
onclick="deletePhone(<?=$phone->ID_phone; ?>)">Delete</button>
            </td>
        </tr>
    <?php endforeach; ?>
</tbody>
</table>
</div>
</div>
<!-- endIspis -->
</div>

<!-- Add Phone Modal -->
<div class="modal fade" id="addPhoneModal" tabindex="-1" aria-
labelledby="addPhoneModalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">

```

```

        <h5 class="modal-title" id="addPhoneModalLabel">Add New
Phone</h5>

        <button type="button" class="close" data-dismiss="modal" aria-
label="Close">

            <span aria-hidden="true">&times;</span>
        </button>
        <?php
            if (isset($_SESSION['success_message'])) {
                echo '<div class="alert alert-success" role="alert">' .
$_SESSION['success_message'] . '</div>';
                unset($_SESSION['success_message']);
            }
        ?>
    </div>
    <div class="modal-body">
        <form id="addPhoneForm" method="POST"
action="models/phones/addPhone.php" enctype="multipart/form-data">
            <!-- Form fields for phone details -->
            <div class="form-group">
                <label for="phoneName">Name</label>
                <input type="text" class="form-control" name="phoneName"
required>
            </div>
            <div class="form-group">
                <label for="phonePrice">Price</label>
                <input type="number" class="form-control"
name="phonePrice" required>
            </div>
            <div class="form-group">
                <label for="phoneImage">Image</label>
                <input type="file" class="form-control-file"
name="phoneImage" accept="image/*" required>
            </div>
            <div class="form-group">
                <label for="phoneDescription">Description</label>
                <textarea class="form-control" name="phoneDescription"
rows="3" required></textarea>
            </div>
            <div class="form-group">
                <label>Colors</label><br>
                <?php foreach ($tableColors as $color): ?>
                    <div class="form-check form-check-inline">
                        <input class="form-check-input" type="checkbox"
name="phoneColors[]" value="<?= $color->ID_color; ?>">

```



```

        <label class="form-check-label"><?= $color->name;
?></label>

        </div>
        <?php endforeach; ?>
    </div>
    <div class="form-group">
        <label for="phoneFeatured">Featured</label>
        <select class="form-control" name="phoneFeatured">
            <option value="1">Yes</option>
            <option value="0">No</option>
        </select>
    </div>
    <div class="form-group">
        <label for="phoneManufacturer">Manufacturer</label>
        <select class="form-control" name="phoneManufacturer">
            <?php foreach ($tableManufacturer as $manufacturer):
?>
                <option value="<?= $manufacturer-
>ID_manufacturer; ?>"><?= $manufacturer->name; ?></option>
            <?php endforeach; ?>
        </select>
    </div>
    <button type="submit" name="submit" class="btn btn-secondary
w-100">Add Phone</button>
    </form>
</div>
</div>
</div>
</div>
<!-- End Add Phone Modal -->

<!-- Update Phone Modal -->
<div class="modal fade" id="updatePhoneModal" tabindex="-1" aria-
labelledby="updatePhoneModallabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="updatePhoneModallabel">Update
Phone</h5>
                <button type="button" class="close" data-dismiss="modal" aria-
label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">

```

```

        <form id="updatePhoneForm" method="POST"
action="models/phones/updatePhone.php" enctype="multipart/form-data">
            <input type="hidden" id="updatePhoneId" name="phoneID">
            <div class="form-group">
                <label for="updatePhoneName">Name</label>
                <input type="text" class="form-control"
id="updatePhoneName" name="phoneName" required>
            </div>
            <div class="form-group">
                <label for="updatePhonePrice">Price</label>
                <input type="number" class="form-control"
id="updatePhonePrice" name="phonePrice" required>
            </div>
            <div class="form-group">
                <label for="updatePhoneDescription">Description</label>
                <textarea class="form-control"
id="updatePhoneDescription" name="phoneDescription" rows="3" required></textarea>
            </div>
            <div class="form-group">
                <label>Colors</label><br>
                <?php foreach ($tableColors as $color): ?>
                    <div class="form-check form-check-inline">
                        <input class="form-check-input update-phone-
color" type="checkbox" name="phoneColors[]" value="<?= $color->ID_color; ?>">
                        <label class="form-check-label"><?= $color->name;
?></label>
                    </div>
                <?php endforeach; ?>
            </div>
            <div class="form-group">
                <label for="updatePhoneFeatured">Featured</label>
                <select class="form-control" id="updatePhoneFeatured"
name="phoneFeatured">
                    <option value="1">Yes</option>
                    <option value="0">No</option>
                </select>
            </div>
            <div class="form-group">
                <label for="updatePhoneManufacturer">Manufacturer</label>
                <select class="form-control" id="updatePhoneManufacturer"
name="phoneManufacturer">
                    <?php foreach ($tableManufacturer as $manufacturer):
?>
                        <option value="<?= $manufacturer->
ID_manufacturer; ?>"><?= $manufacturer->name; ?></option>

```

```

        <?php endforeach; ?>
    </select>
</div>
    <button type="submit" class="btn btn-warning w-100">Update
Phone</button>
</form>
</div>
</div>
</div>
</div>
</div>
<!-- End Update Phone Modal -->
<form action="models/generateThumb.php" method="post" class="mb-3 ml-3">
    <button type="submit" class="btn btn-secondary">Generiši Thumbnale za Sve
Telefone</button>
</form>

```

## - views/pages/author.php

```

<div class="container">
    <div class="row mt-5 mb-5">
        <div class="col-md-4">
            
        </div>
        <div class="col-md-8">
            <h2>Mladen Bajkic</h2>
            <p>Hello, my name is Mladen Bajkic, and i am 23 years old student
currently at ICT College.
            My passion lies in programming, and I am constantly working on
improving my skills in various programming languages.
            Trying to fit in programming and very good at resourcefulness. Thank
you for your time, I hope you enjoy, I wish you all the best!</p>
        </div>
    </div>
</div>

```

## - views/pages/contact.php

```

<div class="container d-flex justify-content-center mt-5">
    <h2>Contact Administrator</h2>

```

```

</div>
<div class="container mt-2 d-flex justify-content-center">
    <form class="w-50" action="models/processContact.php" method="post"
id="contactForm">
        <input type="hidden" name="user_id" value="<?php echo
$_SESSION['user_id']; ?>">
        <div class="form-group">
            <label for="subject">Subject</label>
            <input type="text" class="form-control" id="subject" name="subject"
placeholder="Subject" required>
            <div class="invalid-feedback">
                Please enter a subject.
            </div>
        </div>
        <div class="form-group">
            <label for="message">Message</label>
            <textarea class="form-control" id="message" name="message" rows="4"
placeholder="Your message" required></textarea>
            <div class="invalid-feedback">
                Please enter your message.
            </div>
        </div>
        <button type="submit" class="btn btn-secondary mb-3">Submit</button>
    </form>
</div>

```

- views/pages/dailyLogin.php

```

<?php
    $loginCountToday = countLoginsToday($conn);
    $loginsToday = getLoginsToday($conn);
?>
<div class="container">
    <div class="row">
        <div class="col-12 d-flex justify-content-center">
            <h2>Daily Logins</h2>
        </div>
        <div class="col-12 d-flex justify-content-center">
            <h3>Broj korisnika koji su se ulogovali danas: <?php echo
$loginCountToday; ?></h3>
        </div>
        <div class="col-12 d-flex justify-content-center">
            <table class="table table-striped">

```

```

        <thead>
            <tr>
                <th>Username</th>
                <th>Email</th>
                <th>Last logged in</th>
            </tr>
        </thead>
        <tbody>
            <?php foreach ($loginsToday as $login): ?>
                <tr>
                    <td><?php echo
htmlspecialchars($login['username']); ?></td>
                    <td><?php echo htmlspecialchars($login['email']);
?></td>
                    <td><?php echo
htmlspecialchars($login['last_login']); ?></td>
                </tr>
            <?php endforeach; ?>
        </tbody>
    </table>
</div>
</div>
</div>

```

- views/pages/dashboard.php

```

<?php

$sql = "
    SELECT cm.id, u.username, u.email, cm.subject, cm.message, cm.created_at
    FROM contact_messages cm
    JOIN users u ON cm.user_id = u.user_id";
$stmt = $conn->query($sql);

$results = $stmt->fetchAll(PDO::FETCH_ASSOC);
?>

<div class="container mt-5">
    <h2>Admin Dashboard</h2>
    <table class="table table-bordered">
        <thead>
            <tr>
                <th>Username</th>

```

```

        <th>Email</th>
        <th>Subject</th>
        <th>Message</th>
        <th>Submitted At</th>
        <th>Action</th>
    </tr>
</thead>
<tbody>
    <?php
        $sql = "
            SELECT cm.id, u.username, u.email, cm.subject, cm.message,
cm.created_at
            FROM contact_messages cm
            JOIN users u ON cm.user_id = u.user_id";
        $stmt = $conn->query($sql);

        $results = $stmt->fetchAll(PDO::FETCH_ASSOC);

        if (count($results) > 0) {
            foreach ($results as $row) {
                echo "<tr>
                    <td>{$row['username']}</td>
                    <td>{$row['email']}</td>
                    <td>{$row['subject']}</td>
                    <td>{$row['message']}</td>
                    <td>{$row['created_at']}</td>
                    <td>
                        <form action='models/deleteMessage.php'
method='post'>
                            <input type='hidden' name='message_id'
value='{$row['id']}'>
                            <button type='submit' class='w-100 btn btn-
danger btn-sm'>Delete</button>
                        </form>
                    </td>
                </tr>";
            }
        } else {
            echo "<tr><td colspan='6'>No messages found</td></tr>";
        }
    <?>
</tbody>
</table>
</div>

```

## - views/pages/home.php

```
<?php
$user_id = isset($_SESSION['user_id']) ? $_SESSION['user_id'] : null;

$query = "SELECT * FROM surveys WHERE status = 'active'";
$stmt = $conn->prepare($query);
$stmt->execute();
$surveys = $stmt->fetchAll(PDO::FETCH_ASSOC);

// Fetch the surveys the user has voted on (if user is logged in)
$userVotes = [];
if ($user_id) {
    $query = "SELECT survey_id FROM votes WHERE user_id = :user_id";
    $stmt = $conn->prepare($query);
    $stmt->bindParam(":user_id", $user_id);
    $stmt->execute();
    $userVotes = $stmt->fetchAll(PDO::FETCH_COLUMN, 0);
}

$featuredPhones = getFeatured();
?>

<div class="container">
    <div class="col-12 justify-content-center d-flex font-weight-bold mt-5">
        <?php if(isset($_SESSION['logged_in'])): ?>
            <div class="h3 border border-dark p-2 helloUser">Hello <?php echo
$_SESSION['username']; ?></div>
        <?php endif; ?>
    </div>
</div>

<div class="container">
    <div class="row align-items-center d-flex justify-content-center mt-5 gy-5 ">
        <div class="col-12 d-flex justify-content-center mb-3 text-center">
            <h1 id="welcomTo">Welcome to SignalSphere</h1>
        </div>
        <div class="col-12 d-flex justify-content-center text-center mb-3">
            <p>
                "Step into the future with our stunning array of smartphones,
                meticulously crafted for the modern explorer. Embrace innovation, seize the
                moment, and redefine your mobile experience. Your next adventure starts here."
            </p>
        </div>
    </div>
</div>
```

```

        <div class="col-12 d-flex justify-content-center mb-3">
            <a href="index.php?page=shop" class="btn buttons font-weight-bold m-2">Browse collection</a>
            <a href="index.php?page=contact" class="btn buttons font-weight-bold m-2">Contact Us</a>
        </div>
    </div>
</div>

<!-- Featured Phones Carousel -->
<div class="container mt-5">
    <h2 class="text-center mb-4">Looking for featured phones:</h2>
    <div id="featuredPhonesCarousel" class="carousel slide" data-ride="carousel">
        <div class="carousel-inner">
            <?php $i = 0; ?>
            <?php foreach(array_chunk($featuredPhones, 4) as $item): ?>
                <div class="carousel-item <?=( $i === 0 ) ? 'active' : ''; ?>">
                    <div class="row">
                        <?php foreach($item as $f): ?>
                            <div class="col-md-3">
                                <div class="card mb-4">
                                    name); ?>">
                                    <div class="card-body">
                                        <h5 class="card-title text-center"><?=
htmlspecialchars($f->name); ?></h5>
                                    </div>
                                </div>
                            </div>
                        </div>
                        <?php endforeach; ?>
                    </div>
                </div>
            <?php $i++; ?>
            <?php endforeach; ?>
        </div>
        <a class="carousel-control-prev" href="#featuredPhonesCarousel"
role="button" data-slide="prev">
            <span class="carousel-control-prev-icon" aria-hidden="true"></span>
            <span class="sr-only">Previous</span>
        </a>
        <a class="carousel-control-next" href="#featuredPhonesCarousel"
role="button" data-slide="next">
            <span class="carousel-control-next-icon" aria-hidden="true"></span>
            <span class="sr-only">Next</span>
        </a>
    </div>
</div>

```



```

        </a>
    </div>
</div>
<!-- End Featured Phones Carousel -->

<!-- Survey -->
<div class="container mt-5">
    <h2 class="text-center mb-4">Available Surveys</h2>
    <div class="row">
        <?php if ($user_id): ?>
            <?php foreach ($surveys as $survey): ?>
                <?php if (!in_array($survey['survey_id'], $userVotes)): ?>
                    <?php
                        $query = "SELECT * FROM survey_answers WHERE survey_id =
:survey_id";

                        $stmt = $conn->prepare($query);
                        $stmt->bindParam(":survey_id", $survey['survey_id']);
                        $stmt->execute();
                        $answers = $stmt->fetchAll(PDO::FETCH_ASSOC);
                    ?>
                    <div class="col-md-4 mb-4">
                        <div class="card h-100">
                            <div class="card-body d-flex flex-column">
                                <h5 class="card-title"><?=
htmlspecialchars($survey['title']); ?></h5>
                                <p class="card-text"><?=
htmlspecialchars($survey['question']); ?></p>
                                <?php foreach ($answers as $answer): ?>
                                    <div class="form-check">
                                        <input class="form-check-input"
type="radio" name="vote" id="vote_<?= htmlspecialchars($answer['answer_id']); ?>"
value="<?= htmlspecialchars($answer['answer_id']); ?>">
                                        <label class="form-check-label"
for="vote_<?= htmlspecialchars($answer['answer_id']); ?>"><?=
htmlspecialchars($answer['answer']); ?></label>
                                    </div>
                                <?php endforeach; ?>
                                <form method="post" action="logic/vote.php"
class="mt-auto">
                                    <input type="hidden" name="survey_id"
value="<?= htmlspecialchars($survey['survey_id']); ?>">
                                    <button type="submit" class="btn btn-primary
mt-3 w-25">Vote</button>
                                </form>
                            </div>
                        </div>
                    </div>
                </?php>
            </?php>
        </?php>
    </div>
</div>

```

```

        </div>
    </div>
    <?php endif; ?>
    <?php endforeach; ?>
    <?php else: ?>
        <div class="col-md-12">
            <p class="text-center">Please log in to participate in the
surveys.</p>
        </div>
    <?php endif; ?>
</div>
</div>

<!-- End Survey -->

<!-- trusted brands -->
<div class="container mt-5 mb-3">
    <div class="row align-items-center justify-content-center">
        <div class="col-md-12 text-center">
            <h1>Trusted Partners</h1>
            <p>We partner with top brands to bring you the best in quality and
technology. Explore our prestigious partners.</p>
            <p class="font-weight-bold"><span class="spacing">Iphone</span> <span
class="spacing">Huawei</span> <span class="spacing">Samsung</span> <span
class="spacing">Nokia</span> <span class="spacing">Motorola</span> <span
class="spacing">Xiaomi</span> <span class="spacing">LG</span> <span
class="spacing">Honor</span> <span class="spacing">Sony</span></p>
        </div>
    </div>
</div>
<!-- end trusted brands -->

```

## - views/pages/loginForm.php

```
<?php
$error_message = isset($_SESSION['error_message']) ? $_SESSION['error_message'] :
'';
$lock_message = isset($_SESSION['lock_message']) ? $_SESSION['lock_message'] :
'';
$lock_timer = isset($_SESSION['lock_timer']) ? $_SESSION['lock_timer'] : '';
unset($_SESSION['error_message']);
unset($_SESSION['lock_message']);
unset($_SESSION['lock_timer']);
?>

<div class="container mb-5">
    <div class="row justify-content-center">
        <div class="col-md-6">
            <div class="login-form">
                <h2 class="text-center">Login</h2>
                <?php if (!empty($lock_message)) : ?>
                    <div class="alert alert-warning" role="alert">
                        <?php echo $lock_message; ?> Remaining time: <span id="timer"><?php
echo $lock_timer; ?></span> seconds.
                    </div>
                    <script>
                        var timer = document.getElementById('timer').innerText;
                        var interval = setInterval(function() {
                            timer--;
                            document.getElementById('timer').innerText = timer;
                            if (timer <= 0) {
                                clearInterval(interval);
                                location.reload();
                            }
                        }, 1000);
                    </script>
                <?php endif; ?>
                <?php if (!empty($error_message)) : ?>
                    <div class="alert alert-danger" role="alert">
                        <?php echo $error_message; ?>
                    </div>
                <?php endif; ?>
                <form action="models/login.php" method="POST">
                    <div class="form-group">
                        <label for="email">Email</label>
```

```

        <input type="email" class="form-control" id="email" name="email"
placeholder="Enter email" required>
    </div>
    <div class="form-group">
        <label for="password">Password</label>
        <input type="password" class="form-control" id="password"
name="password" placeholder="Enter password" required>
    </div>
    <div class="form-group">
        <button type="submit" class="btn btn-secondary btn-
block">Login</button>
    </div>
</form>
</div>
</div>
</div>
</div>

```

- views/pages/logout.php

```

<?php
session_start();
session_unset();
session_destroy();
header('Location: index.php');
exit;
?>

```

## - views/pages/pageaccess.php

```
<?php
    $logFile = 'data/log.txt';
    $logContents = file_get_contents($logFile);

    $logEntries = explode("\n", trim($logContents));
    $pageCounts = [];
    $totalAccesses = 0;

    foreach ($logEntries as $entry) {
        if (empty($entry)) continue;

        $parts = explode(' ', $entry);
        $page = end($parts);

        if (!isset($pageCounts[$page])) {
            $pageCounts[$page] = 0;
        }
        $pageCounts[$page]++;
        $totalAccesses++;
    }

    $pagePercentages = [];
    foreach ($pageCounts as $page => $count) {
        $pagePercentages[$page] = ($count / $totalAccesses) * 100;
    }
?>

<div class="container">
    <div class="row">
        <div class="col-12 d-flex justify-content-center">
            <h2>Page Access Statistics</h2>
            <table class="table">
                <thead>
                    <tr>
                        <th>Page</th>
                        <th>Access Count</th>
                        <th>Percentage</th>
                    </tr>
                </thead>
                <tbody>
                    <?php foreach ($pagePercentages as $page => $percentage): ?>
                        <tr>
```

```

        <td><?php echo htmlspecialchars($page); ?></td>
        <td><?php echo $pageCounts[$page]; ?></td>
        <td><?php echo number_format($percentage, 2);
?>%</td>

    </tr>
    <?php endforeach; ?>
</tbody>
</table>
</div>

<div class="col-12 d-flex justify-content-center">
    <h2>Access Log</h2>
</div>

<div class="col-12 d-flex justify-content-center">
    <pre><?php echo htmlspecialchars($logContents); ?></pre>
</div>

</div>
</div>

```

## - views/pages/registerForm.php

```

<div class="container mt-5 mb-5">
<div class="row justify-content-center">
    <div class="col-md-6">
        <div class="card">
            <h2 class="text-center mt-3">Register</h2>
            <div class="card-body">
                <?php if (!empty($error_message)) { ?>
                    <div class="alert alert-danger" role="alert">
                        <?php echo $error_message; ?>
                    </div>
                <?php } ?>
                <form method="POST" action="models/register.php"
id="registerForm">
                    <div class="form-group">
                        <label for="username">Username:</label>
                        <input type="text" class="form-control" id="username"
name="username" required>
                        <small class="error-text" id="usernameError"></small>
                    </div>
                    <div class="form-group">

```

```

        <label for="email">Email:</label>
        <input type="email" class="form-control" id="email"
name="email" required>
        <small class="error-text" id="emailError"></small>
    </div>
    <div class="form-group">
        <label for="password">Password:</label>
        <input type="password" class="form-control"
id="password" name="password" required>
        <small class="error-text" id="passwordError"></small>
    </div>
    <div class="form-group">
        <button type="submit" class="btn btn-secondary btn-
block">Register</button>
    </div>
</form>
</div>
</div>
</div>
</div>
</div>

```

- views/pages/shop.php

```

<?php
$searchTerm = isset($_GET['search']) ? $_GET['search'] : '';
$brands = getAll('manufacturers');
$colors = getAll('colors');

$selectedBrands = isset($_GET['brands']) ? $_GET['brands'] : [];
$selectedColors = isset($_GET['colors']) ? $_GET['colors'] : [];

$perPage = 6;
$currentShopPage = isset($_GET['shop_page']) && is_numeric($_GET['shop_page']) &&
$_GET['shop_page'] > 0 ? intval($_GET['shop_page']) : 1;
$offset = ($currentShopPage - 1) * $perPage;

$sortOption = isset($_GET['sort']) ? $_GET['sort'] : '';

if (!empty($searchTerm)) {
    $phoneData = searchPhones($searchTerm, $selectedBrands, $selectedColors,
$perPage, $offset, $sortOption);
}

```

[illegible]



```

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

<!-- Main Content -->
<div class="col-lg-9">
    <!-- Search and Sort Form -->
    <div class="row justify-content-between mt-5">
        <div class="col-9">
            <form action="" method="GET" class="mb-4">
                <input type="hidden" name="page" value="shop">
                <div class="input-group">
                    <input type="text" class="form-control w-75"
name="search" placeholder="Search..." value="<?= htmlspecialchars($searchTerm)
?>">
                    <button class="btn btn-secondary ml-2"
type="submit">Search</button>
                </div>
            </form>
        </div>
        <div class="col-lg-3">
            <form action="" method="GET" class="mb-4">
                <input type="hidden" name="page" value="shop">
                <input type="hidden" name="search" value="<?=
htmlspecialchars($searchTerm) ?>">
                <select name="sort" class="form-select selectSortList w-
100 form-select-lg mb-3" onchange="this.form.submit()">
                    <option value="" <?= !$sortOption ? 'selected' : ''
?>>Sort :</option>
                    <option value="price_desc" <?= $sortOption ==
'price_desc' ? 'selected' : '' ?>>Price high to low</option>
                    <option value="price_asc" <?= $sortOption ==
'price_asc' ? 'selected' : '' ?>>Price low to high</option>
                    <option value="name_desc" <?= $sortOption ==
'name_desc' ? 'selected' : '' ?>>Name high to low</option>
                    <option value="name_asc" <?= $sortOption ==
'name_asc' ? 'selected' : '' ?>>Name low to high</option>
                </select>
            </form>
        </div>
    </div>
</div>

<!-- Phone Data Display -->

```

```

<div class="row">
    <?php
    if (!empty($phoneData)) {
        foreach ($phoneData as $phone) {
            ?>
            <!-- Product Card -->
            <div class="col-lg-4 col-md-6 col-sm-12 mb-4 mt-4">
                <div class="card card-header h-100">
                    <div class="aspect-ratio-container">
                        
                    </div>
                    <div class="card-body">
                        <h5 class="card-title namePhone"><?= $phone-
>name; ?></h5>
                        <p class="card-text">Price: <?=
number_format($phone->Price, 2); ?>(RSD)</p>
                        <div>
                            <?php
                            $phoneColors = explode(',', $phone-
>colors);
                            foreach ($phoneColors as $color) {
                                echo '<span class="color-dot mt-2 mb-
2" style="background-color: ' . $color . ' ; border:1px solid black;"></span>';
                            }
                            ?>
                        </div>
                        <?php if (isset($_SESSION['logged_in']) &&
$_SESSION['logged_in'] === true) { ?>
                            <button class="btn btn-secondary btn-block buy-
now"
                                data-name="<?= $phone->name; ?>"
                                data-image="<?= $phone->Image; ?>"
                                data-price="<?= $phone->Price; ?>"
                                data-colors="<?= $phone->colors; ?>"
                                >Buy now</button>
                            <?php } else { ?>
                                <button class="btn btn-secondary btn-block"
                                onclick="alert('You need to be logged in to buy this phone.');">Buy now</button>
                            <?php } ?>
                            <div class="dropdown">
                                <button class="btn btn-dark w-100 mt-2
dropdown-toggle" type="button" id="dropdownMenuButton" data-toggle="dropdown"
                                aria-haspopup="true" aria-expanded="false">

```

Description

```

        </button>
        <div class="dropdown-menu" aria-
labelledby="dropdownMenuButton">
            <p class="full-description"><?=
$phone->Description; ?></p>
            </div>
        </div>
    </div>
    <div>
        <!-- End Product Card -->
        <?php
        }
    } else {
        echo "0 results";
    }
    ?>
</div>
<!-- End Phone Data Display -->

<!-- Modal -->
<div class="modal fade" id="phoneModal" tabindex="-1" role="dialog"
aria-labelledby="phoneModallabel" aria-hidden="true">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="phoneModallabel">Phone
Details</h5>
                <button type="button" class="close" data-
dismiss="modal" aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <div class="phone-details">
                    <!-- Phone details -->
                </div>
                <div class="color-options">
                    <!-- Color options -->
                </div>
                <label for="address">Your address:</label>
                <input type="text" name="address" >
            </div>
            <div class="modal-footer">

```

```

        <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
        <button type="button" class="btn btn-primary finish-
shopping">Finish Shopping</button>
    </div>
</div>
</div>
</div>

<!-- Pagination Links -->
<div class="row">
    <div class="col-md-12">
        <ul class="pagination justify-content-center">
            <?php for ($i = 1; $i <= $totalPages; $i++) : ?>
                <li class="page-item <?=( $currentShopPage == $i) ?
'active' : ''; ?>">
                    <a class="page-link rounded <?=( $currentShopPage ==
$i) ? 'bg-secondary' : 'bg-light text-dark'; ?>" href="?page=shop&shop_page=<?=(
$i ?>&sort=<?=( htmlspecialchars($sortOption) ?>&search=<?=(
htmlspecialchars($searchTerm) ?><?php if (!empty($selectedBrands)) {
?>&brands=<?=( implode(',', $selectedBrands) ?><?php } ?><?php if
(!empty($selectedColors)) { ?>&colors=<?=( implode(',', $selectedColors) ?><?php }
?>" style="margin: 0 3px;"><?=( $i ?></a>
                </li>
            <?php endforeach; ?>
        </ul>
    </div>
</div>
</div>
</div>
</div>

```

- views/pages/survey.php

```

<?php
$title = '';
$question = '';

try {
    $query = "SELECT * FROM surveys WHERE status = 'active'";
    $stmt = $conn->prepare($query);
    $stmt->execute();
    $surveys = $stmt->fetchAll(PDO::FETCH_ASSOC);
}

```

```

$surveyMap = [];
foreach ($surveys as $survey) {
    $surveyMap[$survey['survey_id']] = $survey;
}

$statistics = [];
foreach ($surveyMap as $survey_id => $survey) {
    $query = "SELECT survey_answers.answer, COUNT(votes.answer_id) AS count
FROM survey_answers
LEFT JOIN votes ON survey_answers.answer_id = votes.answer_id
AND votes.survey_id = survey_answers.survey_id
WHERE survey_answers.survey_id = :survey_id
GROUP BY survey_answers.answer_id";
    $stmt = $conn->prepare($query);
    $stmt->bindParam(":survey_id", $survey_id);
    $stmt->execute();
    $statistics[$survey_id] = $stmt->fetchAll(PDO::FETCH_ASSOC);
}
} catch (PDOException $e) {
    echo "Error: " . $e->getMessage();
}
?>

<div class="container mb-5 mt-5">
    <div class="row">
        <div class="col-md-6">
            <h2 class="mb-4">Survey Statistics</h2>
            <?php foreach ($statistics as $survey_id => $stats): ?>
                <?php if (isset($surveyMap[$survey_id])): ?>
                    <div class="card mb-4">
                        <div class="card-body">
                            <h5 class="card-title"><?=
htmlspecialchars($surveyMap[$survey_id]['title']); ?></h5>
                            <p class="card-text"><?=
htmlspecialchars($surveyMap[$survey_id]['question']); ?></p>
                            <ul class="list-group">
                                <?php if (empty($stats)): ?>
                                    <li class="list-group-item">No votes yet</li>
                                <?php else: ?>
                                    <?php foreach ($stats as $stat): ?>
                                        <li class="list-group-item"><?=
htmlspecialchars($stat['answer']); ?>: <?= $stat['count']; ?> votes</li>
                                    <?php endforeach; ?>
                                <?php endif; ?>
                            </ul>
                        </div>
                    </div>
                </?php if (isset($surveyMap[$survey_id])): ?>
            </?php endforeach; ?>
        </div>
    </div>
</div>

```

```

        </ul>
    </div>
</div>
<?php endif; ?>
<?php endforeach; ?>
</div>
<div class="col-md-6">
    <h2 class="mt-5">Create New Survey</h2>
    <?php if (isset($error_message)): ?>
        <div class="alert alert-danger"><?php echo $error_message;
?></div>
    <?php endif; ?>
    <form method="post" action="models/surveys/add_survey.php" class="mt-
3">
        <div class="form-group">
            <label for="title">Survey Title:</label>
            <input type="text" id="title" name="title" class="form-
control" value="<?php echo htmlspecialchars($title); ?>" required>
        </div>
        <div class="form-group">
            <label for="question">Survey Question:</label>
            <textarea id="question" name="question" class="form-control"
required><?php echo htmlspecialchars($question); ?></textarea>
        </div>
        <div id="answers-container">
            <div class="form-group">
                <label for="answer1">Answer 1:</label>
                <input type="text" id="answer1" name="answers[]"
class="form-control" required>
            </div>
            <div class="form-group">
                <label for="answer2">Answer 2:</label>
                <input type="text" id="answer2" name="answers[]"
class="form-control" required>
            </div>
        </div>
        <button type="button" class="btn btn-secondary" id="add-answer-
btn">Add Answer</button>
        <button type="submit" class="btn btn-primary">Create
Survey</button>
    </form>
</div>
</div>
</div>

```

## - models/phones/addPhone.php

```
<?php
session_start();
include "../../config/connection.php";
include '../functions.php';

if (isset($_POST['submit'])) {
    $phoneName = $_POST['phoneName'];
    $phonePrice = $_POST['phonePrice'];
    $phoneImage = $_FILES['phoneImage']['name'];
    $phoneDescription = $_POST['phoneDescription'];
    $phoneColors = $_POST['phoneColors'];
    $phoneFeatured = $_POST['phoneFeatured'];
    $phoneManufacturer = $_POST['phoneManufacturer'];

    $fileTemp = $_FILES['phoneImage']['tmp_name'];
    $exp = explode(".", $phoneImage);
    $extension = end($exp);
    $newFileName = time() . "." . $extension;
    $uploadPath = "../../assets/images/" . $newFileName;
    $upload = move_uploaded_file($fileTemp, $uploadPath);

    if ($upload) {
        $thumbnailPath = "../../assets/thumbnails/thumb_" . $newFileName;
        createThumbnail($uploadPath, $thumbnailPath, 200, 200);

        $insertPhone = addPhone($phoneName, $phonePrice, $newFileName,
        $phoneDescription, $phoneFeatured, $phoneManufacturer);

        if ($insertPhone) {
            $lastPhoneID = getLastPhoneID($conn);

            foreach ($phoneColors as $colorID) {
                $insertColor = addPhoneColor($lastPhoneID, $colorID);
                if (!$insertColor) {
                    echo "Failed to add phone color.";
                    exit();
                }
            }
        }

        $_SESSION['success_message'] = 'Phone successfully added.';
        header("Location: ../../index.php?page=admin");
        exit();
    }
}
```

```

        } else {
            echo "Failed to add phone.";
        }
    } else {
        echo "Failed to upload image.";
    }
}

?>

```

- models/phones/deletephone.php

```

<?php
session_start();
include "../config/connection.php";

if (isset($_POST['phoneID'])) {
    $phoneID = $_POST['phoneID'];

    $query = "DELETE FROM phone_color WHERE ID_phone = :phoneID";
    $stmt = $conn->prepare($query);
    $stmt->bindParam(":phoneID", $phoneID);
    $stmt->execute();

    $query = "DELETE FROM phones WHERE ID_phone = :phoneID";
    $stmt = $conn->prepare($query);
    $stmt->bindParam(":phoneID", $phoneID);
    $stmt->execute();

    $response = ['success' => true];
} else {
    $response = ['success' => false];
}

header('Content-Type: application/json');
echo json_encode($response);
exit();
?>

```



## - models/phones/updatePhone.php

```
<?php
require_once "../../config/connection.php";

if ($_SERVER["REQUEST_METHOD"] === "POST") {
    if (isset($_POST["phoneID"])) {
        try {
            $sql = "UPDATE phones SET ";
            $params = array();
            $fieldsToUpdate = array();

            if (isset($_POST["phoneName"])) {
                $fieldsToUpdate[] = "name=?";
                $params[] = $_POST["phoneName"];
            }

            if (isset($_POST["phonePrice"])) {
                $fieldsToUpdate[] = "Price=?";
                $params[] = $_POST["phonePrice"];
            }

            if (isset($_POST["phoneDescription"])) {
                $fieldsToUpdate[] = "Description=?";
                $params[] = $_POST["phoneDescription"];
            }

            if (isset($_POST["phoneFeatured"])) {
                $fieldsToUpdate[] = "Featured=?";
                $params[] = $_POST["phoneFeatured"];
            }

            if (isset($_POST["phoneManufacturer"])) {
                $fieldsToUpdate[] = "Manufacturer_ID=?";
                $params[] = $_POST["phoneManufacturer"];
            }

            if (!empty($fieldsToUpdate)) {
                $sql .= implode(", ", $fieldsToUpdate) . " WHERE ID_phone=?";
                $params[] = $_POST["phoneID"];

                $stmtUpdate = $conn->prepare($sql);
                $stmtUpdate->execute($params);
            }
        } catch (Exception $e) {
            // Handle exception
        }
    }
}
```

```

        echo json_encode(["success" => true, "message" => "Phone details
updated successfully."]);
    } else {
        echo json_encode(["success" => false, "message" => "No fields
provided for update."]);
    }
} catch (PDOException $e) {
    echo json_encode(["success" => false, "message" => "Error updating
phone details: " . $e->getMessage()]);
}
} else {
    echo json_encode(["success" => false, "message" => "Phone ID is
missing."]);
}
} else {
    echo json_encode(["success" => false, "message" => "Invalid request
method."]);
}
?>

```

- models/surveys/add\_survey.php

```

<?php
session_start();
require_once '../config/connection.php';

$title = $question = "";
$answers = array();

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $title = $_POST["title"];
    $question = $_POST["question"];
    $answers = $_POST["answers"];

    if (!empty($title) && !empty($question) && count($answers) >= 2) {
        try {
            $conn->beginTransaction();

            $query1 = "INSERT INTO surveys (title, question, status) VALUES
(:title, :question, 'active')";
            $stmt = $conn->prepare($query1);
            $stmt->bindParam(":title", $title);

```

```

        $stmt->bindParam(":question", $question);
        $stmt->execute();
        $survey_id = $conn->lastInsertId();

        $query2 = "INSERT INTO survey_answers (survey_id, answer) VALUES
(:id, :answer)";
        $stmt = $conn->prepare($query2);

        foreach ($answers as $answer) {
            $stmt->bindParam(":id", $survey_id);
            $stmt->bindParam(":answer", $answer);
            $stmt->execute();
        }

        $conn->commit();
        header("Location: ../../index.php?page=survey");
        exit();
    } catch (PDOException $e) {
        $conn->rollBack();
        $error_message = "Error: " . $e->getMessage();
    }
} else {
    $error_message = "Please fill in all required fields and provide at least
2 answers.";
}
}
?>

```

- models/surveys/vote.php

```

<?php
include "../../config/connection.php";
session_start();

if (!isset($_SESSION['user_id'])) {
    echo "You need to be logged in to vote.";
    exit;
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (isset($_POST["survey_id"]) && isset($_POST["vote"])) {
        $survey_id = $_POST["survey_id"];
    }
}

```

```

    $vote = $_POST["vote"];
    $user_id = $_SESSION["user_id"];

    echo "Survey ID: $survey_id, Vote: $vote, User ID: $user_id";

    if (!empty($survey_id) && !empty($vote)) {
        $query = "SELECT * FROM votes WHERE survey_id = :survey_id AND
user_id = :user_id";
        $stmt = $conn->prepare($query);
        $stmt->bindParam(":survey_id", $survey_id);
        $stmt->bindParam(":user_id", $user_id);
        $stmt->execute();
        $result = $stmt->fetch(PDO::FETCH_ASSOC);

        if ($result) {
            echo "User has already voted for this survey.";
            exit;
        }

        $query = "INSERT INTO votes (survey_id, answer_id, user_id) VALUES
(:survey_id, :vote, :user_id)";
        $stmt = $conn->prepare($query);
        $stmt->bindParam(":survey_id", $survey_id);
        $stmt->bindParam(":vote", $vote);
        $stmt->bindParam(":user_id", $user_id);
        $stmt->execute();

        header("Location: ../../index.php?page=survey");
        exit;
    } else {
        echo "Invalid survey ID or vote.";
        exit;
    }
} else {
    echo "Survey ID or vote not set.";
    exit;
}
} else {
    echo "Invalid request method.";
    exit;
}
?>

```

## - models/deleteMessage.php

```
<?php
include('../config/connection.php');
session_start();

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $message_id = $_POST['message_id'];

    $stmt = $conn->prepare("DELETE FROM contact_messages WHERE id = :message_id");

    if ($stmt === false) {
        header("Location: ../index.php?page=dashboard");
        exit;
    }

    $stmt->bindValue(':message_id', $message_id, PDO::PARAM_INT);

    if ($stmt->execute()) {
        header("Location: ../index.php?page=dashboard");
    } else {
        echo "Error: " . $stmt->error;
    }

    header("Location: ../index.php?page=dashboard");
    exit;
}
?>
```

## - models/functions.php

```
<?php

function getAll($tableName) {
    global $conn;

    $query = "SELECT * FROM $tableName";

    return $conn->query($query)->fetchAll();
}
```

```

function getFeatured(){
    global $conn;
    $sql = "SELECT * from phones WHERE Featured = 1";
    return $conn->query($sql)->fetchAll();
}

function getPhoneData() {
    global $conn;
    $sql = "SELECT phones.ID_phone, phones.Featured, phones.name, phones.Price,
phones.Image, phones.Description, manufacturers.name AS manufacturer_name,
GROUP_CONCAT(colors.name SEPARATOR ', ') AS colors
FROM phones
INNER JOIN phone_color ON phones.ID_phone = phone_color.ID_phone
INNER JOIN colors ON phone_color.ID_color = colors.ID_color
INNER JOIN manufacturers ON phones.Manufacturer_ID =
manufacturers.ID_manufacturer
GROUP BY phones.ID_phone";

    $stmt = $conn->query($sql);

    return $stmt->fetchAll();
}

function addPhone($phoneName, $phonePrice, $phoneImage, $phoneDescription,
$phoneFeatured, $phoneManufacturer){
    global $conn;

    $query = "INSERT INTO phones (name, Price, Image, Description, Featured,
Manufacturer_ID)
VALUES (:name, :price, :imageName, :desc, :featured,
:idManufacturer)";

    $lastPhoneID = getLastPhoneID($conn);
    $newPhoneID = $lastPhoneID + 1;

    $query = "INSERT INTO phones (ID_phone, name, Price, Image, Description,
Featured, Manufacturer_ID)
VALUES (:id, :name, :price, :imageName, :desc, :featured,
:idManufacturer)";

    $stmt = $conn->prepare($query);
    $stmt->bindParam(":id", $newPhoneID);
    $stmt->bindParam(":name", $phoneName);
    $stmt->bindParam(":price", $phonePrice);

```

```

$stmt->bindParam(":imageName", $phoneImage);
$stmt->bindParam(":desc", $phoneDescription);
$stmt->bindParam(":featured", $phoneFeatured);
$stmt->bindParam(":idManufacturer", $phoneManufacturer);

// Execute the query
$result = $stmt->execute();

return $result;
}

function addPhoneColor($phoneID, $colorID){
    global $conn;

    $query = "INSERT INTO phone_color (ID_phone, ID_color) VALUES (:phoneID,
:colorID)";
    $stmt = $conn->prepare($query);
    $stmt->bindParam(":phoneID", $phoneID);
    $stmt->bindParam(":colorID", $colorID);

    $result = $stmt->execute();

    return $result;
}

function getLastPhoneID($conn) {
    $query = "SELECT MAX(ID_phone) AS last_id FROM phones";
    $stmt = $conn->prepare($query);
    $stmt->execute();
    $row = $stmt->fetch(PDO::FETCH_ASSOC);
    return $row['last_id'] ? $row['last_id'] : 0;
}

function getPhoneDataForPage($selectedBrands, $selectedColors, $perPage, $offset,
$sortOption) {
    global $conn;

    $orderBy = getOrderByClause($sortOption);

    $brandFilter = '';
    if (!empty($selectedBrands)) {
        $brandFilter = 'AND phones.Manufacturer_ID IN (' . implode(',',
array_map('intval', $selectedBrands)) . ')';
    }

```

```

        $colorFilter = '';
        if (!empty($selectedColors)) {
            $colorFilter = 'AND phone_color.ID_color IN (' . implode(',',
array_map('intval', $selectedColors)) . ')';
        }

        $sql = "SELECT phones.ID_phone, phones.Featured, phones.name, phones.Price,
phones.Image, phones.Description, manufacturers.name AS manufacturer_name,
GROUP_CONCAT(colors.name SEPARATOR ', ') AS colors
        FROM phones
        INNER JOIN phone_color ON phones.ID_phone = phone_color.ID_phone
        INNER JOIN colors ON phone_color.ID_color = colors.ID_color
        INNER JOIN manufacturers ON phones.Manufacturer_ID =
manufacturers.ID_manufacturer
        WHERE 1=1 $brandFilter $colorFilter
        GROUP BY phones.ID_phone
        $orderBy
        LIMIT :offset, :perPage";

        $stmt = $conn->prepare($sql);
        $stmt->bindValue(':offset', max(0, $offset), PDO::PARAM_INT);
        $stmt->bindValue(':perPage', $perPage, PDO::PARAM_INT);
        $stmt->execute();

        return $stmt->fetchAll();
    }

function getTotalPhoneCount($searchTerm = null, $selectedBrands = [],
$selectedColors = []) {
    global $conn;

    $brandFilter = '';
    if (!empty($selectedBrands)) {
        $brandFilter = 'AND phones.Manufacturer_ID IN (' . implode(',',
array_map('intval', $selectedBrands)) . ')';
    }

    $colorFilter = '';
    if (!empty($selectedColors)) {
        $colorFilter = 'AND phone_color.ID_color IN (' . implode(',',
array_map('intval', $selectedColors)) . ')';
    }

    $sql = "SELECT COUNT(DISTINCT phones.ID_phone) AS total FROM phones
        INNER JOIN phone_color ON phones.ID_phone = phone_color.ID_phone

```



```

        WHERE 1=1 $brandFilter $colorFilter";

    if (!empty($searchTerm)) {
        $sql .= " AND phones.name LIKE :searchTerm";
    }

    $stmt = $conn->prepare($sql);

    if (!empty($searchTerm)) {
        $stmt->bindValue(':searchTerm', '%' . $searchTerm . '%', PDO::PARAM_STR);
    }

    $stmt->execute();

    $result = $stmt->fetch(PDO::FETCH_ASSOC);
    return $result['total'];
}

function searchPhones($searchTerm, $selectedBrands, $selectedColors, $perPage,
$offset, $sortOption) {
    global $conn;

    $orderBy = getOrderByClause($sortOption);

    $brandFilter = '';
    if (!empty($selectedBrands)) {
        $brandFilter = 'AND phones.Manufacturer_ID IN (' . implode(',',
array_map('intval', $selectedBrands)) . ')';
    }

    $colorFilter = '';
    if (!empty($selectedColors)) {
        $colorFilter = 'AND phone_color.ID_color IN (' . implode(',',
array_map('intval', $selectedColors)) . ')';
    }

    $sql = "SELECT phones.ID_phone, phones.Featured, phones.name, phones.Price,
phones.Image, phones.Description, manufacturers.name AS manufacturer_name,
GROUP_CONCAT(colors.name SEPARATOR ', ') AS colors
FROM phones
INNER JOIN phone_color ON phones.ID_phone = phone_color.ID_phone
INNER JOIN colors ON phone_color.ID_color = colors.ID_color
INNER JOIN manufacturers ON phones.Manufacturer_ID =
manufacturers.ID_manufacturer
WHERE phones.name LIKE :searchTerm $brandFilter $colorFilter";

```

```

        GROUP BY phones.ID_phone
        $orderBy
        LIMIT :offset, :perPage";

$stmt = $conn->prepare($sql);
$stmt->bindValue(':searchTerm', '%' . $searchTerm . '%', PDO::PARAM_STR);
$stmt->bindValue(':offset', $offset, PDO::PARAM_INT);
$stmt->bindValue(':perPage', $perPage, PDO::PARAM_INT);
$stmt->execute();

return $stmt->fetchAll();
}

function getTotalPhoneCountt($searchTerm = null) {

    global $conn;

    $sql = "SELECT COUNT(*) AS total FROM phones";
    if (!empty($searchTerm)) {
        $sql .= " WHERE name LIKE :searchTerm";
    }
    $stmt = $conn->prepare($sql);

    if (!empty($searchTerm)) {
        $stmt->bindValue(':searchTerm', '%' . $searchTerm . '%', PDO::PARAM_STR);
    }

    $stmt->execute();

    $result = $stmt->fetch(PDO::FETCH_ASSOC);
    $totalCount = $result['total'];

    return $totalCount;
}

function getOrderByClause($sortOption) {
    switch ($sortOption) {
        case 'price_desc':
            return "ORDER BY phones.Price DESC";
        case 'price_asc':
            return "ORDER BY phones.Price ASC";
        case 'name_desc':
            return "ORDER BY phones.name DESC";
        case 'name_asc':
            return "ORDER BY phones.name ASC";
    }
}

```

```

        default:
            return "ORDER BY phones.ID_phone";
    }
}

function countLoginsToday($conn) {
    $query = "SELECT COUNT(*) as login_count FROM users WHERE DATE(last_login) = CURDATE()";
    $stmt = $conn->prepare($query);
    $stmt->execute();
    $result = $stmt->fetch(PDO::FETCH_ASSOC);

    return $result['login_count'];
}

function getLoginsToday($conn) {
    $query = "SELECT username, email, last_login FROM users WHERE DATE(last_login) = CURDATE()";
    $stmt = $conn->prepare($query);
    $stmt->execute();
    return $stmt->fetchAll(PDO::FETCH_ASSOC);
}

function createThumbnail($sourcePath, $thumbPath, $thumbWidth, $thumbHeight) {
    list($width, $height, $type) = getimagesize($sourcePath);

    $source = null;
    switch ($type) {
        case IMAGETYPE_JPEG:
            $source = imagecreatefromjpeg($sourcePath);
            break;
        case IMAGETYPE_PNG:
            $source = imagecreatefrompng($sourcePath);
            break;
        case IMAGETYPE_GIF:
            $source = imagecreatefromgif($sourcePath);
            break;
        default:
            return false;
    }

    $thumb = imagecreatetruecolor($thumbWidth, $thumbHeight);
    imagecopyresampled($thumb, $source, 0, 0, 0, 0, $thumbWidth, $thumbHeight, $width, $height);
}

```

```

switch ($type) {
    case IMAGETYPE_JPEG:
        imagejpeg($thumb, $thumbPath);
        break;
    case IMAGETYPE_PNG:
        imagepng($thumb, $thumbPath);
        break;
    case IMAGETYPE_GIF:
        imagegif($thumb, $thumbPath);
        break;
}

imagedestroy($source);
imagedestroy($thumb);
}

?>

```

- models/generateThumb.php (ovaj kod je radjen samo da bi se generetovao thumbnail na vec postojece telefone)

```

<?php
include "../config/connection.php";
include "functions.php";

try {
    $sql = "SELECT ID_phone, Image FROM phones WHERE Image IS NOT NULL";

    $stmt = $conn->prepare($sql);
    $stmt->execute();

    if ($stmt->rowCount() > 0) {
        while ($row = $stmt->fetch(PDO::FETCH_ASSOC)) {
            $phoneId = $row['ID_phone'];
            $phoneImage = $row['Image'];
            $sourcePath = "../assets/images/" . $phoneImage;
            $thumbnailFileName = "thumb_" . $phoneImage;
            $thumbPath = "../assets/thumbnails/" . $thumbnailFileName;

            if (file_exists($thumbPath)) {

```

```

        echo "Thumbnail već postoji za telefon ID $phoneId. Preskačem
generisanje thumbnala.<br>";
        continue;
    }

    if (createThumbnail($sourcePath, $thumbPath, 200, 200)) {
        echo "Thumbnail kreiran za telefon ID $phoneId.<br>";
    } else {
        echo "Greška pri kreiranju thumbnaila za telefon ID
$phoneId.<br>";
    }
}
} else {
    echo "Nema telefona koji zahtevaju thumbnail.<br>";
}
} catch (PDOException $e) {
    echo "Greška: " . $e->getMessage();
}

$conn = null;
?>

```

## - models/log.php

```

<?php
$logFile = 'data/log.txt';

function logAccess($page) {
    global $logFile;

    if(isset($_SESSION['username'])) {
        $user = $_SESSION['username'];

        $ip = $_SERVER['REMOTE_ADDR'];
        $timestamp = date('Y-m-d H:i:s');
        $logEntry = "$timestamp - $ip - $user accessed $page\n";
        file_put_contents($logFile, $logEntry, FILE_APPEND | LOCK_EX);
    }
}

?>

```

## - models/login.php

```
<?php
session_start();
require_once '../config/connection.php';
require_once '../models/functions.php';

if (isset($_SESSION['logged_in']) && $_SESSION['logged_in'] === true) {
    header('Location: ../index.php?page=home');
    exit;
}

function authenticate($conn, $email, $password) {
    $stmt = $conn->prepare("SELECT * FROM users WHERE email = :email");
    $stmt->bindParam(':email', $email);
    $stmt->execute();
    $user = $stmt->fetch(PDO::FETCH_ASSOC);

    if ($user) {
        $current_time = time();
        $lock_time = 30;
        $attempt_limit = 3;
        $attempt_window = 300;

        if ($user['failed_login_attempts'] >= $attempt_limit && ($current_time -
strtotime($user['last_failed_login'])) <= $attempt_window) {
            $remaining_lock_time = $lock_time - ($current_time -
strtotime($user['last_failed_login']));
            if ($remaining_lock_time > 0) {
                $_SESSION['lock_message'] = "Account is locked.";
                $_SESSION['lock_timer'] = $remaining_lock_time;
                header('Location: ../index.php?page=login');
                exit;
            } else {
                // Reset failed attempts after lock time passes
                $stmt = $conn->prepare("UPDATE users SET failed_login_attempts =
0 WHERE user_id = :user_id");
                $stmt->bindParam(':user_id', $user['user_id']);
                $stmt->execute();
                $user['failed_login_attempts'] = 0;
            }
        }

        if ($password === $user['password']) {
```

```

        $_SESSION['logged_in'] = true;
        $_SESSION['role_id'] = $user['role_id'];
        $_SESSION['username'] = $user['username'];
        $_SESSION['user_id'] = $user['user_id'];

        $updateStmt = $conn->prepare("UPDATE users SET last_login = NOW(),
failed_login_attempts = 0 WHERE user_id = :user_id");
        $updateStmt->bindParam(':user_id', $user['user_id']);
        $updateStmt->execute();

        header('Location: ../index.php?page=home');
        exit;
    } else {
        $attempts = $user['failed_login_attempts'] + 1;
        $stmt = $conn->prepare("UPDATE users SET failed_login_attempts =
:attempts, last_failed_login = NOW() WHERE user_id = :user_id");
        $stmt->bindParam(':attempts', $attempts);
        $stmt->bindParam(':user_id', $user['user_id']);
        $stmt->execute();

        $_SESSION['error_message'] = "Incorrect password.";
    }
} else {
    $_SESSION['error_message'] = "Email not found.";
}

header('Location: ../index.php?page=login');
exit;
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (isset($_POST['email']) && isset($_POST['password'])) {
        $email = $_POST['email'];
        $password = $_POST['password'];
        authenticate($conn, $email, $password);
    }
}
?>

```

## - models/processContact.php

```
<?php
include('../config/connection.php');
session_start();

if (!isset($_SESSION['user_id'])) {
    die("User not logged in");
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $user_id = $_SESSION['user_id'];
    $subject = filter_var($_POST['subject'], FILTER_SANITIZE_STRING);
    $message = filter_var($_POST['message'], FILTER_SANITIZE_STRING);

    $subjectPattern = "/^[a-zA-Z\s]+$/";
    $messagePattern = "/^.{1,1000}$/";

    if (!preg_match($subjectPattern, $subject)) {
        echo "Invalid subject format";
        exit;
    }

    if (!preg_match($messagePattern, $message)) {
        echo "Invalid message format";
        exit;
    }

    $stmt = $conn->prepare("INSERT INTO contact_messages (user_id, subject,
message) VALUES (:id, :subj, :mess)");

    if ($stmt === false) {
        die('Prepare failed: ' . htmlspecialchars($conn->errorInfo()[2]));
    }

    $stmt->bindValue(':id', $user_id, PDO::PARAM_INT);
    $stmt->bindValue(':subj', $subject, PDO::PARAM_STR);
    $stmt->bindValue(':mess', $message, PDO::PARAM_STR);

    if ($stmt->execute()) {
        header("Location: ../contact.php");
    } else {
        echo "Error: " . $stmt->error;
    }
}
```



```

$stmt->close();
$conn->close();
}
?>

```

## - models/register.php

```

<?php
session_start();
require_once '../config/connection.php';

function authenticate($conn, $email, $password) {
    $stmt = $conn->prepare("SELECT * FROM users WHERE email = ? AND password = ?");
    $stmt->execute([$email, $password]);
    return $stmt->fetch(PDO::FETCH_ASSOC);
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (isset($_POST['username']) && isset($_POST['email']) &&
    isset($_POST['password'])) {
        $username = $_POST['username'];
        $email = $_POST['email'];
        $password = $_POST['password'];
        $role_id_for_user = 2;

        $usernameRegex = '/^[a-zA-Z]{4,}$/';
        $emailRegex = '/^[a-zA-Z][a-zA-Z0-9]*@[a-z]+\.[a-z]+$/';
        $passwordRegex = '/^(?=.*[A-Za-z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-z\d@$!%*?&]{6,}$/';

        $error_message = '';
        if (!preg_match($usernameRegex, $username)) {
            $error_message = 'Username must start with a letter and contain only lowercase letters.';
        } elseif (!preg_match($emailRegex, $email)) {
            $error_message = 'Please enter a valid email address.';
        } elseif (!preg_match($passwordRegex, $password)) {
            $error_message = 'Password must contain at least one letter, one number, one special character, and be at least 6 characters long.';
        }
    }
}

```

```

        if (empty($error_message)) {
            $stmt = $conn->prepare("SELECT * FROM users WHERE email = ?");
            $stmt->execute([$email]);
            if ($stmt->fetch(PDO::FETCH_ASSOC)) {
                $error_message = "Email already registered.";
            } else {
                $stmt = $conn->prepare("INSERT INTO users (username, email,
password, role_id) VALUES (?, ?, ?, $role_id_for_user)");
                $stmt->execute([$username, $email, $password]);

                $user = authenticate($conn, $email, $password);
                if ($user) {
                    $_SESSION['logged_in'] = true;
                    $_SESSION['role_id'] = $user['role_id'];
                    $_SESSION['username'] = $user['username'];

                    $_SESSION['success_message'] = "Successfully registered and
signed in.";

                    header('Location: ../index.php?page=home');
                    exit;
                } else {
                    $error_message = "Failed to automatically sign in after
registration.";
                }
            }
        }
    }
}
}
?>

```

- assets/style.css

```

* {
    margin : 0px;
    padding : 0px;
}
ul li {
    list-style-type: none !important;
}
html {

```

```
    scroll-behavior: smooth;
}
a {
    color : black !important;
    text-decoration: none !important;
}
a:hover {
    color: grey !important;
}
.custom-header {
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.22);
    height : auto;
    border-radius: 7px;
}
nav ul li {
    padding-top : 15px;
}
.bold-link {
    font-weight: bold;
    font-size:20px;
}
.buttons {
    background-color: #f0f0f0 !important;
    border-radius: 5px;
}

.buttons:hover {
    background-color: #1e1e1e !important;
    color:white !important;
}
p {
    font-size: 20px !important;
}
.spacing {
    margin-right: 35px;
}
.footer {
    height: 120px;
    box-shadow: 0px -5px 5px rgba(0, 0, 0, 0.05);
}
.login-form {
    max-width: 400px;
    margin: 0 auto;
    padding: 20px;
    border: 1px solid #ccc;
```

```
border-radius: 5px;
margin-top: 50px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
}

.clearfix{
  clear: both;
  float: none;
}
.error-text {
  color : red;
}
.helloUser{
  background: linear-gradient(to left, #111111, #444444);
  border-radius : 7px;
  color : white;
}
.inputPrice {
  width : 40%;
}
.noPadding {
  padding: 0px !important;
}
.borderBottom {
  border-bottom: 1px solid lightgray;
}
.chbCSS {
  width : 15px;
  height : 15px;
}
#selectSortLista {
  border : 1px solid lightgray;
}
.color-dot {
  width: 20px;
  height: 20px;
  border-radius: 50%;
  display: inline-block;
  margin-right: 5px;
}
.aspect-ratio-container {
  position: relative;
  width: 100%;
  padding-top: 110%;
}
```

```

}

.aspect-ratio-container img {
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  object-fit: cover;
}

.namePhone{
  height: 50px;
}

.footerForSurvey{
  margin-bottom: 10px;
  padding-bottom: 10px;
  margin-left: 10px;
}

.carousel-control-prev,
.carousel-control-next {
  margin : 0 7px;
  margin-top: 16%;
  width: 40px !important;
  height: 40px;
  background-color: rgba(0, 0, 0, 0.2);
  border-radius: 50%;
}

.carousel-control-prev-icon,
.carousel-control-next-icon {
  filter: brightness(0);
}

@media screen and (max-width: 992px) {
  .nameSignalSphere {
    display : none !important;
  }

  .responsive-table tbody,
  .responsive-table tr,
  .responsive-table td {
    display: block;
    width: 100%;
  }

  .responsive-table thead {
    display: none;
  }
}

```

```

        .responsive-table td {
            text-align: right;
            padding-left: 50%;
            position: relative;
        }
        .responsive-table td::before {
            content: attr(data-label);
            position: absolute;
            left: 10px;
            text-align: left;
            font-weight: bold;
        }
        .responsive-table td {
            padding-left : 35% !important;
        }
    }
    .imgLogo {
        height : 50px !important;
        margin-top : 17px;
    }
    .nameSignalSphere {
        margin-top : 17px;
    }
    #coverForLinks {
        margin-top : 10px;
    }
    #coverForButtonLinks{
        margin-top : 15px;
    }
    @media screen and (max-width: 576px) {
        #omot {
            justify-content: center;
            margin : 0px !important;
            padding-bottom: 10px;
            border-bottom: 1px solid lightgrey;
        }
        #coverForLinks {
            margin : 0px !important;
            border-bottom: 1px solid lightgrey;
        }
        #coverForButtonLinks{
            margin-top : 15px !important;
            padding-right : 0px !important;
        }
        .responsive-table tr {

```

```
        border-bottom : 3px solid black !important;
    }

}

#coverForAll {
    padding-right :0px;
}
```