Visoka skola strukovnih studija za
informacione i komunikacione
tehnologije

CyberBook

https://worsening-helmet.000webhostapp.com/

Smer: Internet tehnologije

Modul: Web programiranje

Predmet: Praktikum iz PHP-a

Andrej Zarkovski 22/18

1

Sadržaj

3

4

1. Uvod

Korišćeni programski jezici

Za izradu sajta korišćene su sledeće tehnologije:

- PHP (Xampp)
- HTML 5
- CSS 3/ SASS
- Bootstrap
- JavaScript
- jQuery
- Visual Studio Code
- Photoshop

Opis funkcionalnosti

Sajt poseduje sledeće funkcionalnosti:

- Dinamicko ucitavanje podataka iz baze
- Slajder proizvoda sa najvecim popustom
- Pretplata na newsletter
- Filtriranje proizvoda po kriterijumima, sortiranje istih
- Dodavanje proizvoda u korpu
- Exportovanje najjeftinijih proizvoda u formi excel dokumenta
- Export informacija o autoru
- Logovanje/registracija

- Prikaz broja online korisnika
- Prikaz statistike za pristup stranicama (admin)
- Dodavanje, azuriranje, brisanje proizvoda (admin panel)

2. Organizacija

Organizaciona šema

admin only
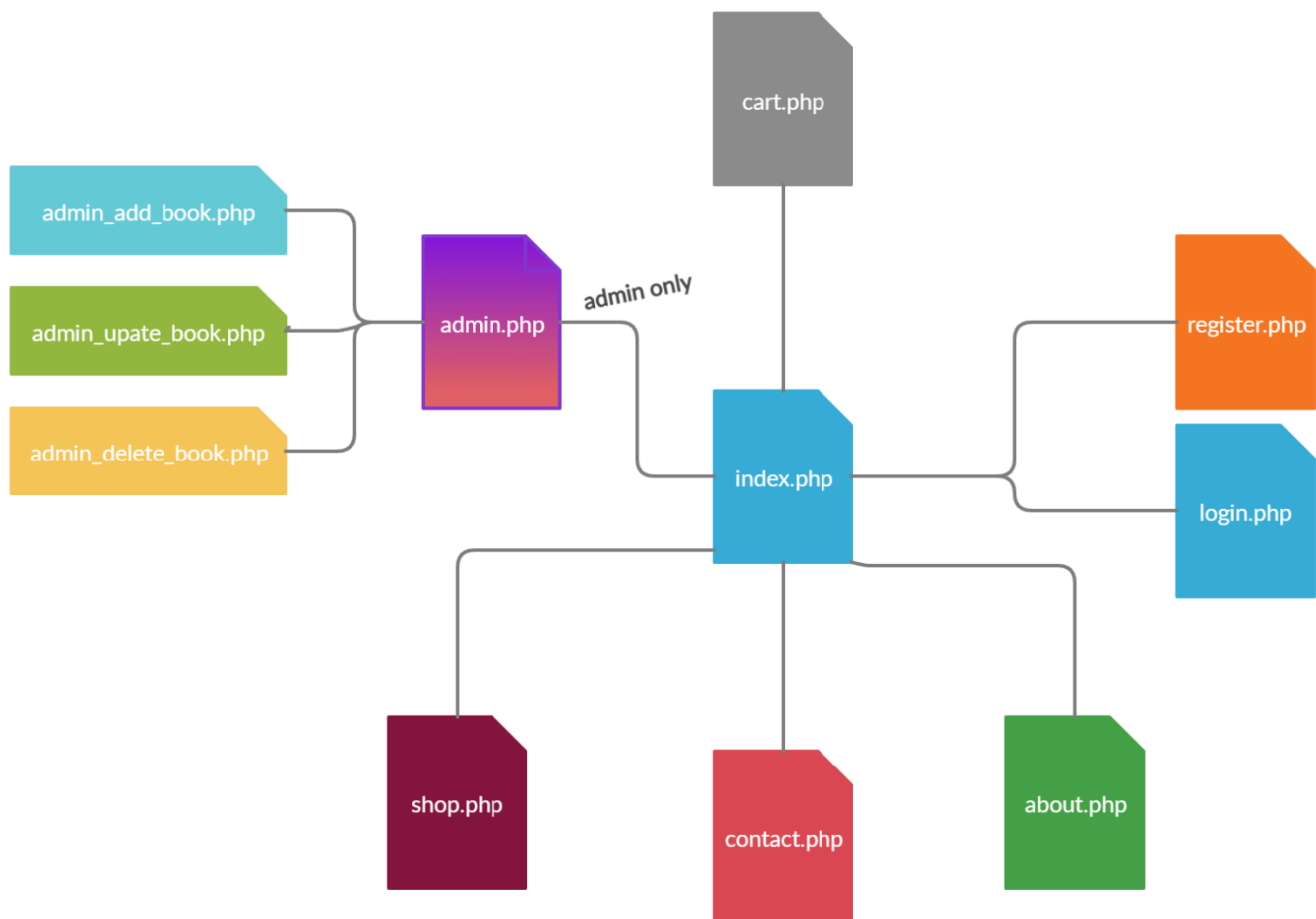
Mapa sajta

```xml
<?xml version="1.0" encoding="UTF-8"?>
<urlset
      xmlns="http://www.sitemaps.org/schemas/sitemap/0.9"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://www.sitemaps.org/schemas/sitemap/0.9
            http://www.sitemaps.org/schemas/sitemap/0.9/sitemap.xsd">
<!-- created with Free Online Sitemap Generator www.xml-sitemaps.com -->


<url>
  <loc>https://worsening-helmet.000webhostapp.com</loc>
  <lastmod>2020-06-15</lastmod>
  <changefreq>daily</changefreq>
  <priority>1.00</priority>
</url>
<url>
  <loc>https://worsening-helmet.000webhostapp.com/index.php?page=1</loc>
  <lastmod>2020-06-15</lastmod>
  <changefreq>daily</changefreq>
  <priority>0.90</priority>
</url>
<url>
  <loc>https://worsening-helmet.000webhostapp.com/index.php?page=2</loc>
  <lastmod>2020-05-15</lastmod>
  <changefreq>monthly</changefreq>
  <priority>0.6</priority>
</url>
<url>
  <loc>https://worsening-helmet.000webhostapp.com/index.php?page=3</loc>
  <lastmod>2019-06-15</lastmod>
  <changefreq>daily</changefreq>
  <priority>0.50</priority>
</url>
<url>
  <loc>https://worsening-helmet.000webhostapp.com/index.php?page=4</loc>
  <lastmod>2020-06-08</lastmod>
  <changefreq>weekly</changefreq>
  <priority>0.80</priority>
</url>
<url>
  <loc>https://worsening-helmet.000webhostapp.com/index.php?page=5</loc>
  <lastmod>2020-06-08</lastmod>
```

```xml
    <changefreq>weekly</changefreq>
    <priority>0.80</priority>
  </url>
  <url>
    <loc>https://worsening-helmet.000webhostapp.com/index.php?page=6</loc>
    <lastmod>2020-05-08</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.70</priority>
  </url>
  <url>
    <loc>https://worsening-helmet.000webhostapp.com/index.php?page=7</loc>
    <lastmod>2020-05-08</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.70</priority>
  </url>
  <url>
    <loc>https://worsening-helmet.000webhostapp.com/index.php?page=8</loc>
    <lastmod>2020-05-08</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.70</priority>
  </url>
  <url>
    <loc>https://worsening-helmet.000webhostapp.com/index.php?page=9</loc>
    <lastmod>2020-05-08</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.70</priority>
  </url>
  <url>
    <loc>https://worsening-helmet.000webhostapp.com/index.php?page=10</loc>
    <lastmod>2020-06-08</lastmod>
    <changefreq>weekly</changefreq>
    <priority>0.80</priority>
  </url>
</urlset>
```

Dizajn baze

cyber-book menu_items
- id : int(11)
- name : varchar(30)
- href : varchar(255)
- order_index : int(11)
- menu_id : int(11)

cyber-book menus
- id : int(11)
- name : varchar(30)

cyber-book publishers
- id : int(11)
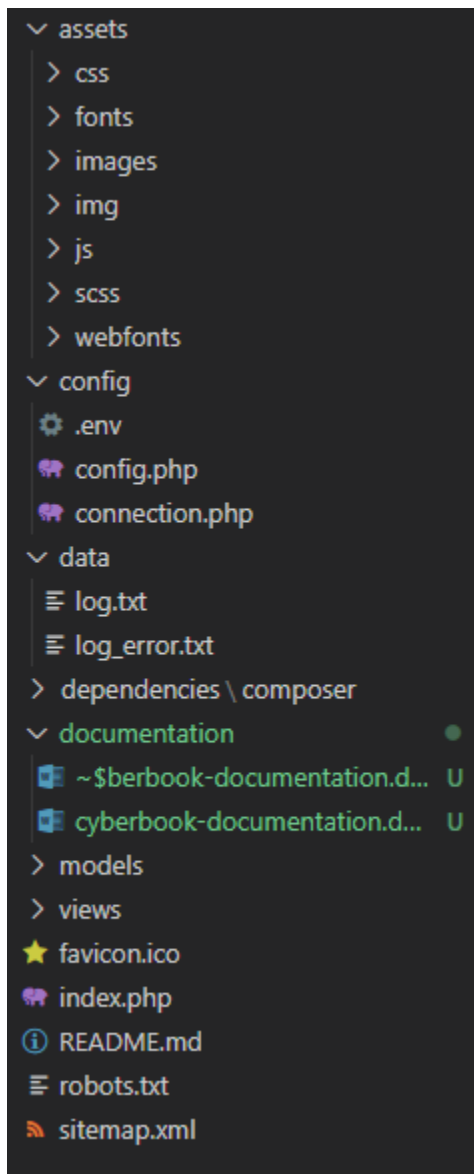- name : varchar(80)

cyber-book languages
- id : int(11)
- name : varchar(80)

cyber-book newsletter_subscribers
- id : int(11)
- email : varchar(255)

cyber-book book_images
- id : int(11)
- book_id : int(11)
- href : varchar(255)
- lod_level : int(11)

cyber-book books
- id : int(11)
- title : varchar(80)
- description : text
- publish_date : date
- num_of_pages : int(11)
- critics_rating : float
- price : decimal(10,0)
- discount : float
- category_id : int(11)
- language_id : int(11)
- back_type_id : int(11)
- author_id : int(11)
- publisher_id : int(11)

cyber-book users
- id : int(11)
- email : varchar(50)
- password : varchar(255)
- activation_key : varchar(255)
- last_activity : timestamp
- is_online : tinyint(1)
- is_confirmed : bit(1)
- role_id : int(11)

cyber-book roles
- id : int(11)
- name : varchar(50)

cyber-book authors
- id : int(11)
- name : varchar(80)

cyber-book categories
- id : int(11)
- name : varchar(80)

cyber-book back_types
- id : int(11)
- name : varchar(60)

cyber-book sort_area
- id : int(11)
- name : varchar(50)

cyber-book sort_area_items
- area_id : int(11)
- item_id : int(11)

cyber-book sort_criterias
- id : int(11)
- name : varchar(80)
- query : varchar(100)

Struktura projekta

```
∨ assets
  > css
  > fonts
  > images
  > img
  > js
  > scss
  > webfonts
∨ config
  ⚙ .env
  🐘 config.php
  🐘 connection.php
∨ data
  ≡ log.txt
  ≡ log_error.txt
> dependencies \ composer
∨ documentation                    ●
  📘 ~$berbook-documentation.d...  U
  📘 cyberbook-documentation.d...  U
> models
> views
★ favicon.ico
🐘 index.php
ⓘ README.md
≡ robots.txt
🔊 sitemap.xml
```

```
∨ models
    ∨ account
        › login
        › register
        🐘 logout.php
    › author
    › back-type
    › book
    › category
    › image
    › language
    › log
    › mailer
    › menu
    › newsletter
    › online_tracker
    › public
    › publisher
    › sort
    › user
    › utilities
    🐘 pages.php
∨ views
    › admin
    › fixed
    🐘 about.php
    🐘 cart.php
    🐘 contact.php
    🐘 error_page.php
    🐘 home.php
    🐘 login.php
    🐘 register.php
    🐘 shop.php
⭐ favicon.ico
🐘 index.php
ⓘ README.md
☰ robots.txt
🔊 sitemap.xml
```

13

Opis stranica sajta

index.php

Na pocetnom delu indeks stranice nalazi se meni, dugmad za logovanje/registraciju, dugme za korpu, i uvodni deo za stranicu (sekcija sa slikom knjige).

Pri ucitavanju stranice bira se random knjiga od top 10 knjiga, sortirane po najvecem popustu u opadajucem redosledu.

Shop by Category
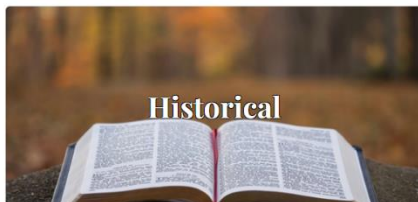
Potom imamo sekciju sa kategorijama.

Pri ucitavanju stranice biraju se 3 random kategorije iz baze i prikazuju u sekciji.

Most Recent Titles

Broken Throne A Red Queen collection

$20

Wicked Saints: A Novel

$10.56 ~~$12~~
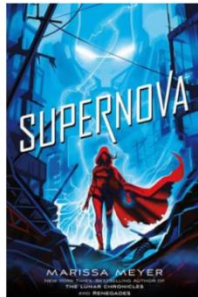
Supernova

$12

Renegades

$10
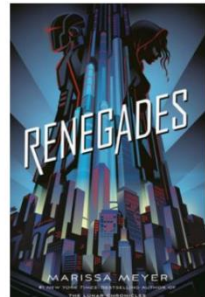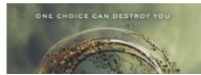
Zatim imamo sekciju sa najskorije dodatim knjigama.
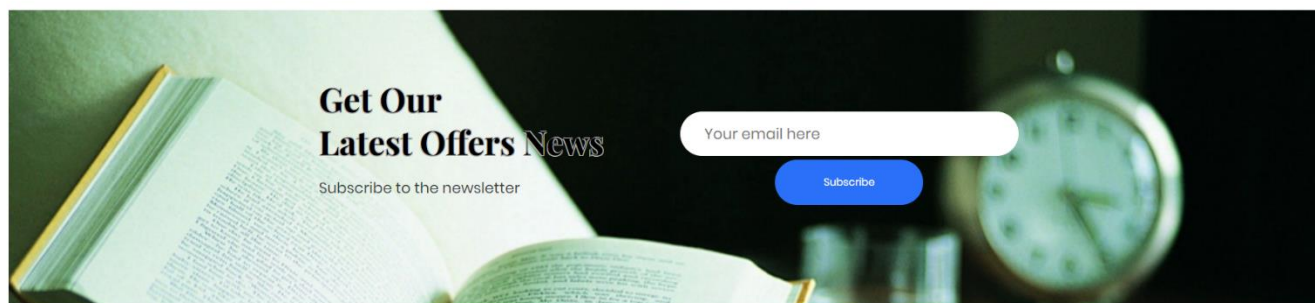
Ispod toga nalazi se deo za pretplatu na newsletter kao i staticki deo sa informacijama o sajtu.

Unosom email-a i klikom na »Subscribe«, ukoliko niste vec zabelezni u bazu kao pretplatnik, salje vam se mail o uspesnosti pretplate.

Best by critics
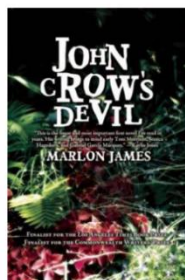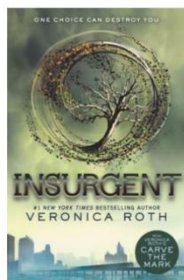
Seobe	It	John Crow Devil	Insurgent	The Shining	Broken Throne A Red Queen collection
$20	$13.8 $23	$10.8 $12	$12.35 $13	$15.3 $18	$20

Posle ide sekcija za prikaz najbolje ocenjenih knjiga od strane kriticara.

CyberBook

We are an online bookstore that provides quality reading material. Find books for your taste for a low price.

Quick Links

Home

Shop

Contact

About

Documentation

Legal

Privacy

Terms of Use

DMCA

Contact

Send us an email

About us

Web developer

I na kraju futer sekcija.
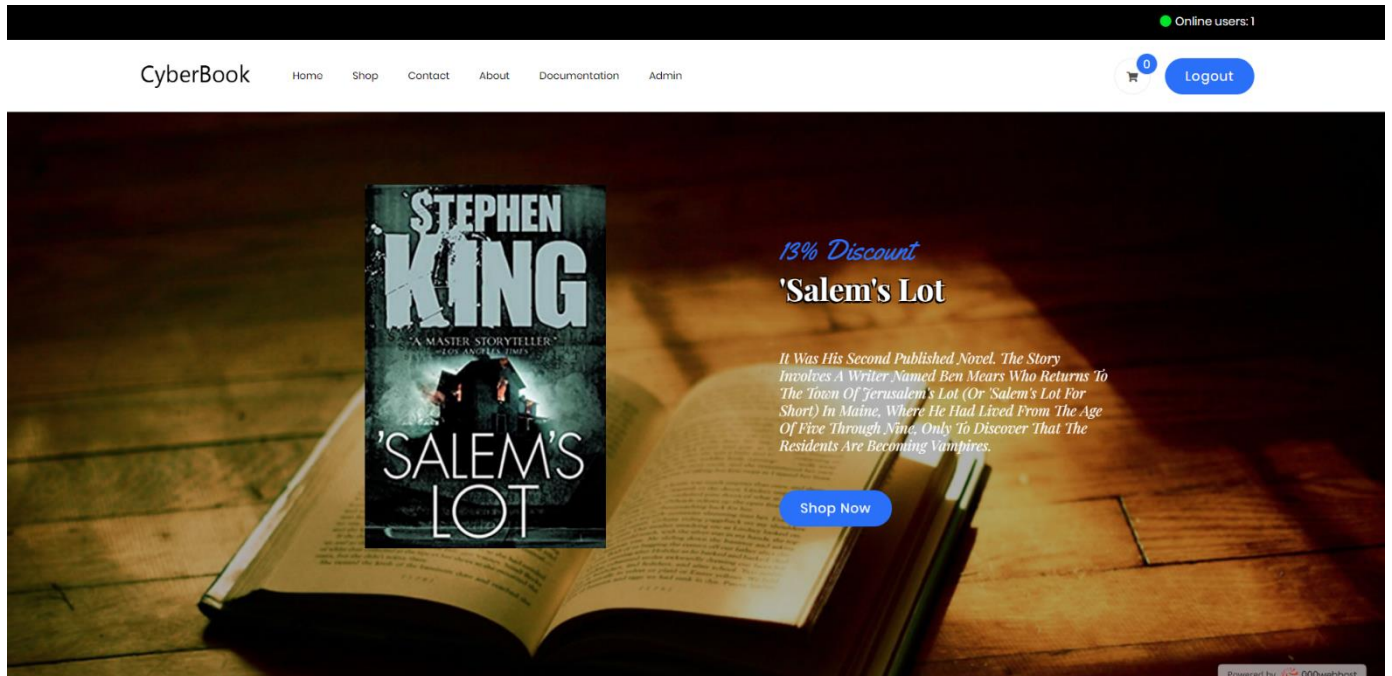
Izgled stranice index za ulogovane korisnike.

Ne-admin korisnici nemaju samo Admin link u meniju.

Na crnoj traci, krajnje gorem delu, nalazi se prikaz broja trenutno ulogovanih korisnika.

shop.php

Pocetni deo shop-a.

Sort by: Title A-Z

« **1** 2 3 »
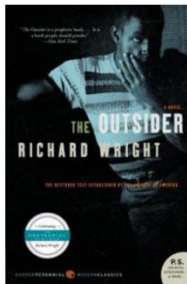
The Outsider
$14.25 ~~$15~~
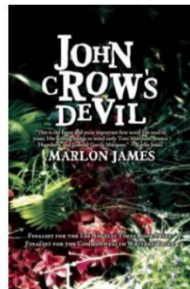
John Crow Devil
$10.8 ~~$12~~
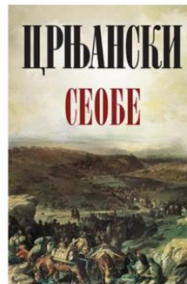
Seobe
$20

Na Drini ćuprija
$18.7 ~~$22~~

Category
- [ ] Thriller
- [ ] Fiction
- [ ] Historical
- [ ] War
- [ ] Horror
- [ ] Mystery

Language
- [ ] English
- [ ] Serbian

Author
- [ ] Richard Wright
- [ ] Marlon James
- [ ] Miloš Crnjanski
- [ ] Ivo Andić
- [ ] Sarah J. Maas
- [ ] Marissa Meyer
- [ ] Veronica Roth
- [ ] James Dashner
- [ ] Victoria Aveyard
- [ ] Emily A. Duncan
- [ ] Stephen King
- [ ] J. D. Robb
- [ ] Michael Connelly
- [ ] Lee Child

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Shop sa kontrolama za sort, filter i paginaciju proizvoda.

				Laguna

Throne of Glass
$13.5 ~~$15~~

Renegades
$10

Supernova
$12

Divergent
$14.25 ~~$15~~

☐ Laguna
☐ Bloomsbury USA
☐ Square Fish
HarperCollins Publishers
Random House Children's Book
St. Martin's Publishing Group
☐ Scribner
Berkley Publishing Group
Little Brown and Company
Dell Publishing Company

Back type
☐ Paperback
☐ Hardcover

« 1 2 3 »

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By sending us used books for

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Dugme sa export najjeftinijh knjiga u formi excel dokumenta.

contact.php

Kontakt forma sa poljima sa slanje poruke, kao i lokacija preduzeca.

Stranica sa informacijama o autoru, dugmetu za export informacija u formi word dokumenta, kao i linkovi ka socijalnim mrezama i ugradjen twitter frame.

Izgled stranice korpe sa i bez proizvoda.

login.php
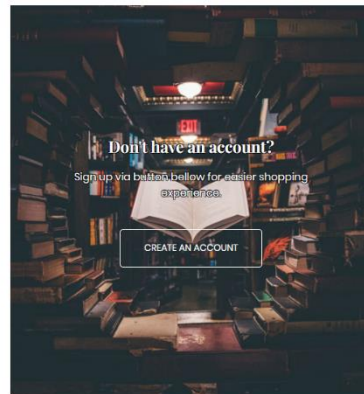
Izgled stranice za logovanje.
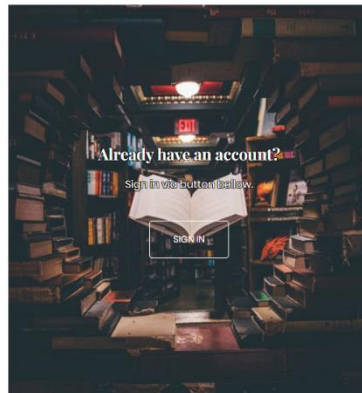
Izgled stranice za registraciju.

28
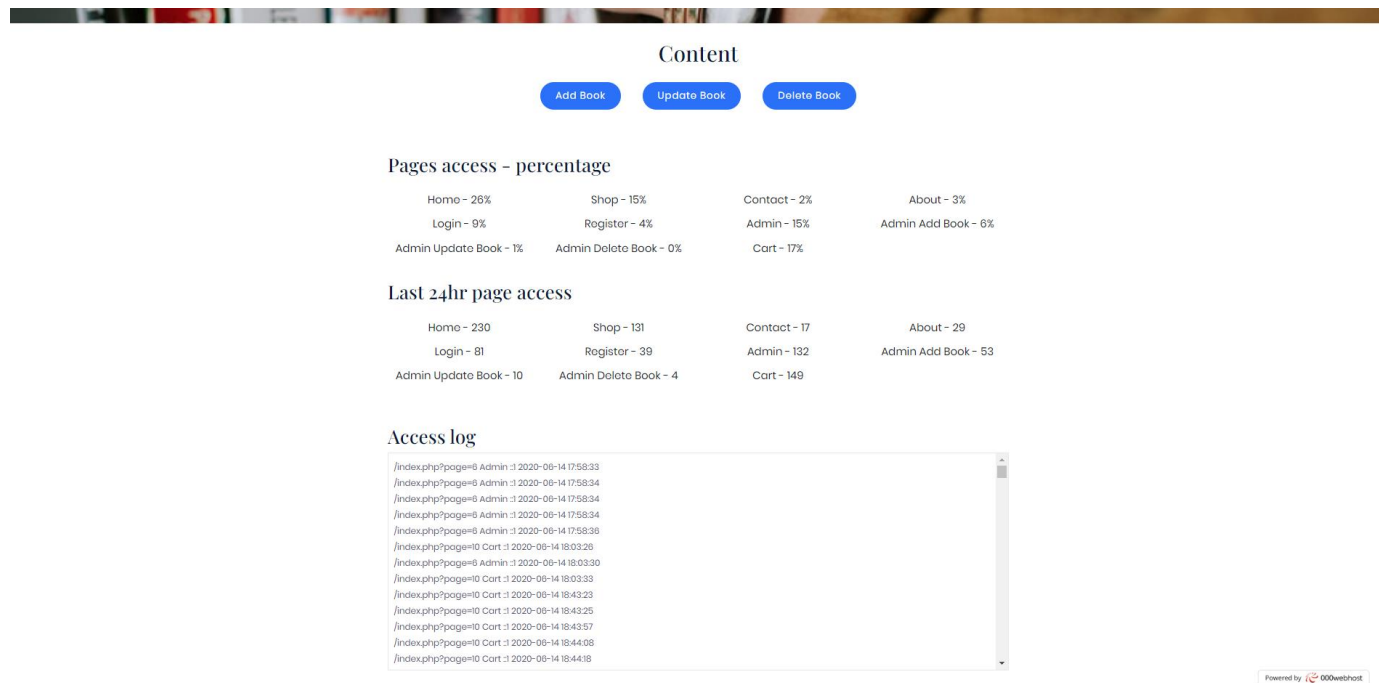
Izgled stranice admin panel-a.

Kod dela »Content« nalaze se dugmad za pristup stranicama za upravljanje sadrzajem knjiga.

Odmah ispod se nalazi sekcija sa prikazom broja pristupa stranicama u procentima, kao i broja pristupa stranicama u poslednja 24h.

A na kraju se nalazi prikaz celog log fajla.

admin_add_book.php

Add book

Title	
Description	
Category	Add new category ⊞
Language	Select language: ⌄ ⊞
Author	Select author: ⌄ ⊞
Publisher	Select publisher: ⌄ ⊞
Publish Date	дд.мм.гггг.
Back Type	Select back type: ⌄ ⊞
Num. of pages	
Critics rating	(0.0 - 10.0)
Price	Currency: dollar($)
Discount	In percent - %
Cover image	Одабери датотеку Није одабрано

Add

Stranica za dodavanje knjige u bazu sa poljima za informacije o knjizi.

Klikom na dugme »+«, dodaje se nova kategorija, jezik itd. i vezuju se za dodatu knjigu.

admin_update_book.php

Stranica za azuriranje knjige.

Isti prinicp rada kao za dodavanje knjige.

admin_delete_book.php

Stranica za brisanje knjige.

3. Kodovi

PHP

index.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    ob_start();
    include "models/pages.php";
    require_once "models/online_tracker/udpate_user_activity.php";



    if(isset($_SESSION["user"])){
        update_user_activity($_SESSION["user"]->id);
    }

    $website_name = "CyberBook";

    $page_id = Pages::Home;
    $page_src;
    $page_title;

    $main_intro_slider = false;

    $scripts = ["/assets/js/cyber-book/main.js"];

    if(isset($_GET["page"]))
        $page_id = $_GET["page"];

    $admin_pages = [Pages::Admin, Pages::Admin_Add_Book, Pages::Admin_Update_Book, Pages:
:Admin_Delete_Book];

    switch($page_id){
        case Pages:: Home :
            $page_src = "views/home.php";
            $page_title = "Home";
            $main_intro_slider = true;
            $scripts[] = "/assets/js/cyber-book/home.js";
            break;
        case Pages::Shop :
            $page_src = "views/shop.php";
```

33

```php
        $page_title = "Shop";
        $scripts[] = "/assets/js/cyber-book/shop.js";
        break;
    case Pages::Contact :
        $page_src = "views/contact.php";
        $page_title = "Contact";
        $scripts[] = "/assets/js/cyber-book/contact.js";
        break;
    case Pages::About :
        $page_src = "views/about.php";
        $page_title = "About";
        break;
    case Pages::Login :
        $page_src = "views/login.php";
        $page_title = "Login";
        $scripts[] = "/assets/js/cyber-book/login.js";
        break;
    case Pages::Register :
        $page_src = "views/register.php";
        $page_title = "Register";
        $scripts[] = "/assets/js/cyber-book/register.js";
        break;
    case Pages::Admin :
        $page_src = "views/admin/admin.php";
        $page_title = "Admin";
        break;
    case Pages::Admin_Add_Book :
        $page_src = "views/admin/admin_add_book.php";
        $page_title = "Admin";
        $scripts[] = "/assets/js/cyber-book/admin-content.js";
        break;
    case Pages::Admin_Update_Book :
        $page_src = "views/admin/admin_update_book.php";
        $page_title = "Admin";
        $scripts[] = "/assets/js/cyber-book/admin-content.js";
        break;
    case Pages::Admin_Delete_Book :
        $page_src = "views/admin/admin_delete_book.php";
        $page_title = "Admin";
        $scripts[] = "/assets/js/cyber-book/admin-content.js";
        break;
    case Pages::Cart :
        $page_src = "views/cart.php";
        $page_title = "Cart";
        $scripts[] = "/assets/js/cyber-book/cart.js";
```

```php
                break;
        default : // 404
            $page_src = "views/error_page.php";
            $page_title = "Error";
            $error_title = "404 - Page not found.";
            $error_msg = "We are sorry, the page you are looking for doesn't exist.";
            break;
    }

    if(in_array($page_id, $admin_pages) and (!isset($_SESSION["user"]) or $_SESSION["user"]->role_id != 1)){
        $page_src = "views/error_page.php";
        $page_title = "Error";
        $error_title = "403 - Forbidden Access";
        $error_msg = "We are sorry, but this page is forbidden for non-admin users.";
    }

    include "views/fixed/head.php";
    echo getHead($website_name." | ".$page_title);


    include "views/fixed/header.php";

    if($main_intro_slider)
        include "views/fixed/main_intro_slider.php";
    else
    {
        include "views/fixed/main_intro.php";
        echo getMainIntro($page_title);
    }


    include $page_src;

    include "views/fixed/footer.php";
    echo getFooter($scripts);

    ob_end_flush();
?>
```

Views

home.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

        require_once ROOT."/models/pages.php";
?>

<main>

        <!-- Category Area Start-->
        <section class="category-area section-padding30">
            <div class="container-fluid">
                <!-- Section Tittle -->
                <div class="row">
                    <div class="col-lg-12">
                        <div class="section-tittle text-center mb-85">
                            <h2>Shop by Category</h2>
                        </div>
                    </div>
                </div>
                <div id="main-shop-categories" class="row justify-content-center">
                    <?php
                        require_once ROOT."/models/category/get_rand_categories.php";
                        require_once ROOT."/models/utilities/shuffled_number_array.php";
                        $categories_rand = get_rand_categories(3);

                        $array_rand = generate_shuffled_number_array(3);

                        for($i = 0; $i < 3; $i++): ?>
                            <div class="col-xl-4 col-lg-6">
                                <div class="single-category mb-30">
                                    <div class="category-img category-random" data-
id="<?=$categories_rand[$array_rand[$i]]->id?>">
                                        <a href="index.php?page=<?=Pages::Shop?>">
                                            <img src="/assets/images/category-
wallpapers/wallpaper-<?=$array_rand[$i] + 1?>.jpg" alt="Category wallpaper">
                                            <div class="category-caption">
                                                <h2 class="text-stroke-black-1 mr-
3"><?=$categories_rand[$array_rand[$i]]->name?></h2>
                                            </div>
```
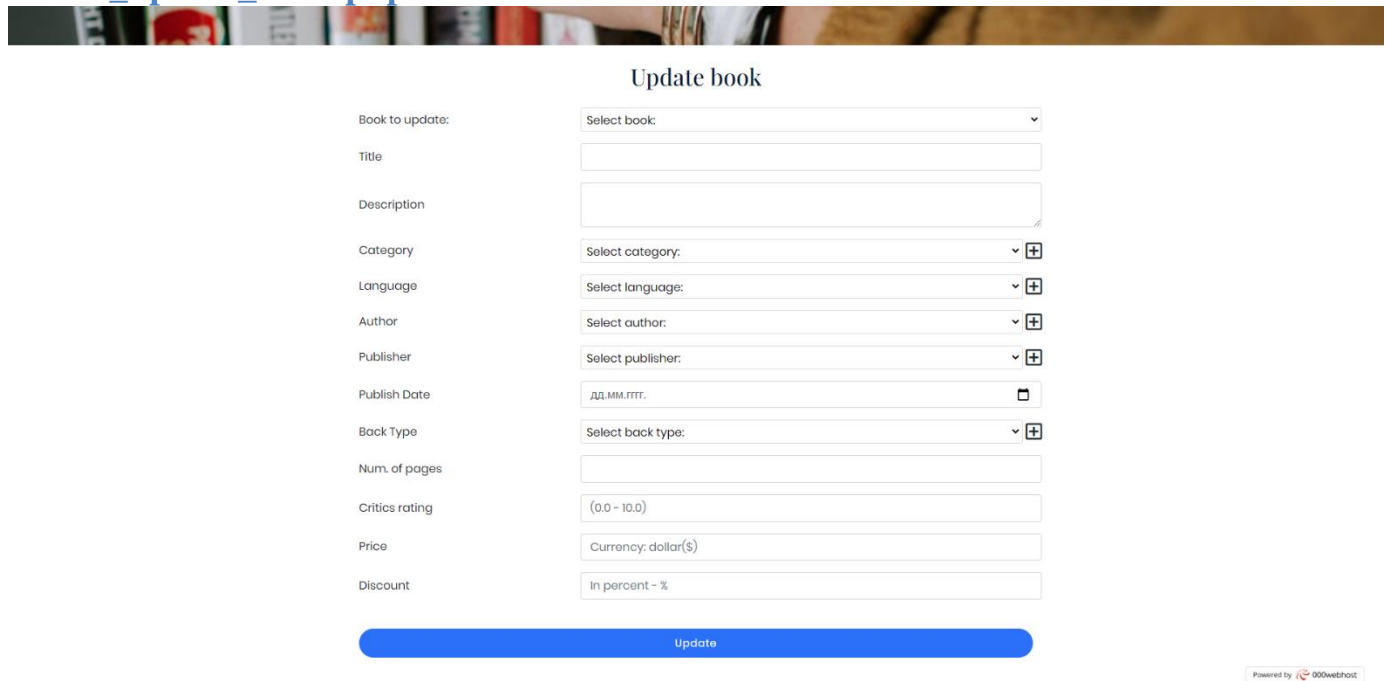
36

```html
                </a>

              </div>
            </div>
          </div>
        <?php endfor; ?>
      </div>
    </div>
  </section>
  <!-- Category Area End-->
  <!-- Latest Products Start -->
  <section class="latest-product-area pb-3">
    <div class="container-fluid px-4 px-md-5">
      <div class="row product-btn d-flex align-items-end">
        <!-- Section Tittle -->
        <div class="col-12">
          <div class="section-tittle mb-30">
            <h2>Most Recent Titles</h2>
          </div>
        </div>
      </div>
      <!-- Nav Card -->
      <div class="tab-content" id="nav-tabContent">
        <!-- card one -->
        <div class="most-popular-titles tab-pane fade show active" id="nav-
home" role="tabpanel" aria-labelledby="nav-home-tab">
          <div id="most-recent-titles" class="row justify-content-center">
          </div>
        </div>
      </div>
      <!-- End Nav Card -->
    </div>
  </section>
  <!-- Latest Products End -->
  <!-- Latest Offers Start -->
  <div class="latest-wrapper lf-padding">
    <div id="newsletter-area" class="latest-area latest-height d-flex align-
items-center">
      <div class="container">
        <div class="row d-flex align-items-center">
          <div class="col-xl-5 col-lg-5 col-md-6 offset-xl-1 offset-lg-1">
            <div class="latest-caption">
              <h2 class="text-stroke-white-
1">Get Our<br>Latest Offers News</h2>
              <p>Subscribe to the newsletter</p>
```
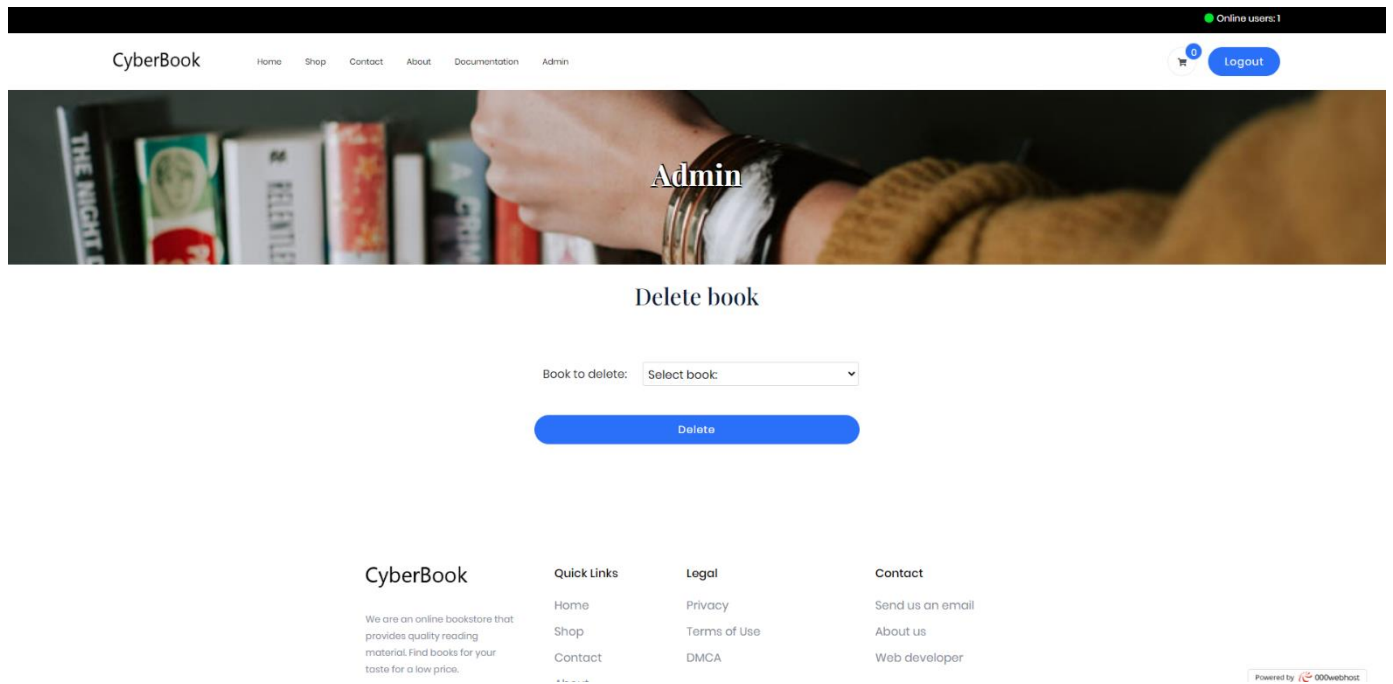
```html
                    </div>
                </div>
                <div class="col-xl-5 col-lg-5 col-md-6 ">
                    <div class="latest-subscribe">
                        <form id="newsletterControls" action="#">
                            <input id="newsletterEmail" type="email" placeholder=
"Your email here">

                            <button id="newsletterBtn">Subscribe</button>
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <!-- Latest Offers End -->
    <?php
        include ROOT."/views/fixed/bullet_points.php";
    ?>
    <!-- Gallery Start-->
    <div id="best-by-critics">
        <div class="section-tittle mb-30 ml-4">
            <h2>Best by critics</h2>
        </div>
        <div id="bestByCriticsContainer" class="row mx-0 px-4 justify-content-
center latest-product-area">
            <div class="col-lg-2 col-sm-4 col-6 px-4 px-lg-2 mb-4 best-by-critics-
item text-center">
                <img src="assets/images/book-cover-1.jpg" alt="">
                <a href="#">Green Dress with details</a>
            </div>
            <div class="col-lg-2 col-sm-4 col-6 px-4 px-lg-2 mb-4 best-by-critics-
item">
                <img src="assets/images/book-cover-1.jpg" alt="">
            </div>
            <div class="col-lg-2 col-sm-4 col-6 px-4 px-lg-2 mb-4 best-by-critics-
item">
                <img src="assets/images/book-cover-1.jpg" alt="">
            </div>
            <div class="col-lg-2 col-sm-4 col-6 px-4 px-lg-2 mb-4 best-by-critics-
item">
                <img src="assets/images/book-cover-1.jpg" alt="">
            </div>
            <div class="col-lg-2 col-sm-4 col-6 px-4 px-lg-2 mb-4 best-by-critics-
item">
```
38

```html
                <img src="assets/images/book-cover-1.jpg" alt="">
            </div>
            <div class="col-lg-2 col-sm-4 col-6 px-4 px-lg-2 mb-4 best-by-critics-
item">
                <img src="assets/images/book-cover-1.jpg" alt="">
            </div>
        </div>
    </div>
    <!-- Gallery End-->

</main>
```

shop.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/sort/get_criterias_by_area.php";

    require_once ROOT."/models/category/get_all.php";
    require_once ROOT."/models/language/get_all.php";
    require_once ROOT."/models/author/get_all.php";
    require_once ROOT."/models/publisher/get_all.php";
    require_once ROOT."/models/back-type/get_all.php";
?>

<div id="shop-main">
<section class="latest-product-area latest-padding">
    <div class="row px-4 mx-0">
        <div class="col-12 col-md-9 col-xl-10 order-2 order-md-1">
            <div class="container-fluid">
                <div id="shop-upper-controls" class="row product-btn d-flex justify-content-center justify-content-sm-between ">
                    <div class="select-this d-flex align-items-center mr-2 mb-3">
                        <div class="featured">
                            <span>Sort by: </span>
                        </div>
                        <form action="#">
                            <div class="select-itms ml-2">
                                <select name="select" id="sort-select">
                                    <?php
                                        $sort_criterias = get_criterias_by_area("shop_sort");

                                        foreach($sort_criterias as $crit) : ?>
                                            <option value="<?= $crit->sort_id ?>"><?= $crit->sort_name ?></option>
                                        <?php endforeach; ?>
                                </select>
                            </div>
                        </form>
                    </div>
                    <nav aria-label="Pagination ml-2 mb-3">
```

40

```html
                    <ul class="pagination">
                        <li class="page-item">
                            <a class="page-link page-link-arrow" href="#" data-
increment="-1" aria-label="Previous">
                                <span aria-hidden="true">&laquo;</span>
                                <span class="sr-only">Previous</span>
                            </a>
                        </li>
                        <div class="pagination-pages d-flex">

                        </div>
                        <li class="page-item">
                            <a class="page-link page-link-arrow" href="#" data-
increment="1" aria-label="Next">
                                <span aria-hidden="true">&raquo;</span>
                                <span class="sr-only">Next</span>
                            </a>
                        </li>
                    </ul>
                </nav>
            </div>
            <!-- Nav Card -->
            <div class="tab-content" id="nav-tabContent">
                <!-- card one -->
                <div class="tab-pane fade show active" id="nav-
home" role="tabpanel" aria-labelledby="nav-home-tab">
                    <div id="shop-container" class="row justify-content-center">
                        <div class="col-lg-3 col-sm-4 col-6">
                            <div class="single-product mb-60">
                                <div class="product-img">
                                    <img src="assets/images/book-cover-1.jpg" alt="">
                                </div>
                                <div class="product-caption">
                                    <div class="product-ratting">
                                        <i class="far fa-star"></i>
                                        <i class="far fa-star"></i>
                                        <i class="far fa-star"></i>
                                        <i class="far fa-star low-star"></i>
                                        <i class="far fa-star low-star"></i>
                                    </div>
                                    <h4><a href="#">Green Dress with details</a></h4>
                                    <div class="price">
                                        <ul>
                                            <li>$40.00</li>
                                            <li class="discount">$60.00</li>
```

```html
                                                </ul>
                                            </div>
                                        </div>
                                    </div>
                                </div>
                                <div class="col-lg-3 col-sm-4 col-6">
                                    <div class="single-product mb-60">
                                        <div class="product-img">
                                            <img src="assets/images/book-cover-1.jpg" alt="">
                                        </div>
                                        <div class="product-caption">
                                            <div class="product-ratting">
                                                <i class="far fa-star"></i>
                                                <i class="far fa-star"></i>
                                                <i class="far fa-star"></i>
                                                <i class="far fa-star low-star"></i>
                                                <i class="far fa-star low-star"></i>
                                            </div>
                                            <h4><a href="#">Green Dress with details</a></h4>
                                            <div class="price">
                                                <ul>
                                                    <li>$40.00</li>
                                                    <li class="discount">$60.00</li>
                                                </ul>
                                            </div>
                                        </div>
                                    </div>
                                </div>
                                <div class="col-lg-3 col-sm-4 col-6">
                                    <div class="single-product mb-60">
                                        <div class="product-img">
                                            <img src="assets/images/book-cover-1.jpg" alt="">
                                        </div>
                                        <div class="product-caption">
                                            <div class="product-ratting">
                                                <i class="far fa-star"></i>
                                                <i class="far fa-star"></i>
                                                <i class="far fa-star"></i>
                                                <i class="far fa-star low-star"></i>
                                                <i class="far fa-star low-star"></i>
                                            </div>
                                            <h4><a href="#">Green Dress with details</a></h4>
                                            <div class="price">
                                                <ul>
                                                    <li>$40.00</li>
```

```html
                            <li class="discount">$60.00</li>
                        </ul>
                    </div>
                </div>
            </div>
        </div>
        <div class="col-lg-3 col-sm-4 col-6">
            <div class="single-product mb-60">
                <div class="product-img">
                    <img src="assets/images/book-cover-1.jpg" alt="">
                </div>
                <div class="product-caption">
                    <div class="product-ratting">
                        <i class="far fa-star"></i>
                        <i class="far fa-star"></i>
                        <i class="far fa-star"></i>
                        <i class="far fa-star low-star"></i>
                        <i class="far fa-star low-star"></i>
                    </div>
                    <h4><a href="#">Green Dress with details</a></h4>
                    <div class="price">
                        <ul>
                            <li>$40.00</li>
                            <li class="discount">$60.00</li>
                        </ul>
                    </div>
                </div>
            </div>
        </div>
        <div class="col-lg-3 col-sm-4 col-6">
            <div class="single-product mb-60">
                <div class="product-img">
                    <img src="assets/images/book-cover-1.jpg" alt="">
                </div>
                <div class="product-caption">
                    <div class="product-ratting">
                        <i class="far fa-star"></i>
                        <i class="far fa-star"></i>
                        <i class="far fa-star"></i>
                        <i class="far fa-star low-star"></i>
                        <i class="far fa-star low-star"></i>
                    </div>
                    <h4><a href="#">Green Dress with details</a></h4>
                    <div class="price">
                        <ul>
```

```html
                <li>$40.00</li>
                <li class="discount">$60.00</li>
            </ul>
        </div>
    </div>
</div>
<div class="col-lg-3 col-sm-4 col-6">
    <div class="single-product mb-60">
        <div class="product-img">
            <img src="assets/images/book-cover-1.jpg" alt="">
        </div>
        <div class="product-caption">
            <div class="product-ratting">
                <i class="far fa-star"></i>
                <i class="far fa-star"></i>
                <i class="far fa-star"></i>
                <i class="far fa-star low-star"></i>
                <i class="far fa-star low-star"></i>
            </div>
            <h4><a href="#">Green Dress with details</a></h4>
            <div class="price">
                <ul>
                    <li>$40.00</li>
                    <li class="discount">$60.00</li>
                </ul>
            </div>
        </div>
    </div>
</div>
<div class="col-lg-3 col-sm-4 col-6">
    <div class="single-product mb-60">
        <div class="product-img">
            <img src="assets/images/book-cover-1.jpg" alt="">
        </div>
        <div class="product-caption">
            <div class="product-ratting">
                <i class="far fa-star"></i>
                <i class="far fa-star"></i>
                <i class="far fa-star"></i>
                <i class="far fa-star low-star"></i>
                <i class="far fa-star low-star"></i>
            </div>
            <h4><a href="#">Green Dress with details</a></h4>
            <div class="price">
```

```html
                                            <ul>
                                                <li>$40.00</li>
                                                <li class="discount">$60.00</li>
                                            </ul>
                                        </div>
                                    </div>
                                </div>
                            </div>
                            <div class="col-lg-3 col-sm-4 col-6">
                                <div class="single-product mb-60">
                                    <div class="product-img">
                                        <img src="assets/images/book-cover-1.jpg" alt="">
                                    </div>
                                    <div class="product-caption">
                                        <div class="product-ratting">
                                            <i class="far fa-star"></i>
                                            <i class="far fa-star"></i>
                                            <i class="far fa-star"></i>
                                            <i class="far fa-star low-star"></i>
                                            <i class="far fa-star low-star"></i>
                                        </div>
                                        <h4><a href="#">Green Dress with details</a></h4>
                                        <div class="price">
                                            <ul>
                                                <li>$40.00</li>
                                                <li class="discount">$60.00</li>
                                            </ul>
                                        </div>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
                <div class="d-flex justify-content-center justify-content-md-end">
                    <nav aria-label="Pagination">
                        <ul class="pagination">
                            <li class="page-item">
                                <a class="page-link page-link-arrow" href="#" data-increment="-1" aria-label="Previous">
                                    <span aria-hidden="true">&laquo;</span>
                                    <span class="sr-only">Previous</span>
                                </a>
                            </li>
```

```html
                    <div class="pagination-pages d-flex">

                    </div>

                    <li class="page-item">
                        <a class="page-link page-link-arrow" href="#" data-
increment="1" aria-label="Next">
                            <span aria-hidden="true">&raquo;</span>
                            <span class="sr-only">Next</span>
                        </a>
                    </li>
                </ul>
            </nav>
        </div>
        <div class="d-flex justify-content-center">
            <a id="export-books-
btn" href="models/public/books_cheapest_excel_export.php" class="btn header-btn d-inline-
block mx-auto mt-5 mb-5">Download cheapest books excel</a>
        </div>
        <!-- End Nav Card -->
    </div>
</div>
<div class="col-12 col-md-3 order-1 order-md-2 col-xl-2 pr-4 shop-filters mb-4">
    <div class="shop-filter">
        <h4 class="text-left text-md-right">Category</h4>
        <ul class="d-flex flex-row flex-wrap flex-md-column align-items-end">
            <?php
                $categories = get_all_categories();

                foreach($categories as $c) : ?>
                    <li class="d-flex align-items-center ml-2">
                        <input type="checkbox" class="shop-category mr-
2" name="shop-categories[]" value="<?= $c->id ?>" />
                        <span><?= $c->name ?></span>
                    </li>
            <?php endforeach; ?>
        </ul>
    </div>
    <div class="shop-filter">
        <h4 class="text-left text-md-right">Language</h4>
        <ul class="d-flex flex-row flex-wrap flex-md-column align-items-end">
            <?php
                $languages = get_all_languages();

                foreach($languages as $l) : ?>
```

```php
                            <li class="d-flex align-items-center ml-2">
                                <input type="checkbox" class="shop-category mr-
2" name="shop-languages[]" value="<?= $l->id ?>" />
                                <span><?= $l->name ?></span>
                            </li>
                    <?php endforeach; ?>
                </ul>
            </div>
            <div class="shop-filter">
                <h4 class="text-left text-md-right">Author</h4>
                <ul class="d-flex flex-row flex-wrap flex-md-column align-items-end">
                    <?php
                        $authors = get_all_authors();

                        foreach($authors as $a) : ?>
                            <li class="d-flex align-items-center ml-2">
                                <input type="checkbox" class="shop-category mr-
2" name="shop-authors[]" value="<?= $a->id ?>" />
                                <span><?= $a->name ?></span>
                            </li>
                    <?php endforeach; ?>
                </ul>
            </div>
            <div class="shop-filter">
                <h4 class="text-left text-md-right">Publisher</h4>
                <ul class="d-flex flex-row flex-wrap flex-md-column align-items-end">
                    <?php
                        $publishers = get_all_publishers();

                        foreach($publishers as $p) : ?>
                            <li class="d-flex align-items-center ml-2">
                                <input type="checkbox" class="shop-category mr-
2" name="shop-publishers[]" value="<?= $p->id ?>" />
                                <span><?= $p->name ?></span>
                            </li>
                    <?php endforeach; ?>
                </ul>
            </div>
            <div class="shop-filter">
                <h4 class="text-left text-md-right">Back type</h4>
                <ul class="d-flex flex-row flex-wrap flex-md-column align-items-end">
                    <?php
                        $back_types = get_all_back_types();

                        foreach($back_types as $bt) : ?>
```

47

```php
                                <li class="d-flex align-items-center ml-2">
                                    <input type="checkbox" class="shop-category mr-
2" name="shop-back-types[]" value="<?= $bt->id ?>" />
                                    <span><?= $bt->name ?></span>
                                </li>
                        <?php endforeach; ?>
                    </ul>
                </div>
            </div>
        </div>
</section>
<?php
    include ROOT."/views/fixed/bullet_points.php";
?>
</div>
```

contact.php

```html
<section class="contact-section">
    <div class="container">
        <div id="google-maps-contact" class="d-none d-sm-block mb-5 pb-4">
            <iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2830.35539
01537102!2d20.482367231596694!3d44.81432404626031!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1
!3m3!1m2!1s0x475a7a9609031735%3A0xc17ed71f59ac4725!2sICT%20College!5e0!3m2!1sen!2srs!4v15
91432939074!5m2!1sen!2srs" width="600" height="450" frameborder="0" style="border:0;" all
owfullscreen="" aria-hidden="false" tabindex="0"></iframe>
        </div>
        <div class="row">
            <div class="col-12">
                <h2 id="contact-title" class="contact-title">Send us an email</h2>
            </div>
            <div class="col-lg-8">
                <form class="form-
contact contact_form" action="contact_process.php" method="post" id="contactForm">
                    <div class="row">
                        <div class="col-12">
                            <div class="form-group">
                                <textarea class="form-control w-
100" name="contactMessage" id="message" cols="30" rows="9" onfocus="this.placeholder = ''
" onblur="this.placeholder = 'Enter Message'" placeholder=" Enter Message"></textarea>
                            </div>
                        </div>
                        <div class="col-sm-6">
                            <div class="form-group">
                                <input class="form-
control valid" name="contactName" id="name" type="text" onfocus="this.placeholder = ''" o
nblur="this.placeholder = 'Enter your name'" placeholder="Enter your name">
                            </div>
                        </div>
                        <div class="col-sm-6">
                            <div class="form-group">
                                <input class="form-
control valid" name="contactEmail" id="email" type="email" onfocus="this.placeholder = ''
" onblur="this.placeholder = 'Enter email address'" placeholder="Email">
                            </div>
                        </div>
                        <div class="col-12">
                            <div class="form-group">
                                <input class="form-
control" name="contactSubject" id="subject" type="text" onfocus="this.placeholder = ''" o
nblur="this.placeholder = 'Enter Subject'" placeholder="Enter Subject">
```

49

```html
                            </div>
                        </div>
                    </div>
                    <div class="form-group mt-3">
                        <button id="contactBtn" type="button" class="button button-
contactForm boxed-btn">Send</button>
                    </div>
                </form>
            </div>
            <div class="col-lg-3 offset-lg-1">
                <div class="media contact-info">
                    <span class="contact-info__icon"><i class="ti-home"></i></span>
                    <div class="media-body">
                        <h3>Belgrade, Serbia.</h3>
                        <p>Zdravka Čelara 16</p>
                    </div>
                </div>
                <div class="media contact-info">
                    <span class="contact-info__icon"><i class="ti-tablet"></i></span>
                    <div class="media-body">
                        <h3>+381 61 1234 567</h3>
                        <p>Mon to Fri 8am to 9pm</p>
                    </div>
                </div>
                <div class="media contact-info">
                    <span class="contact-info__icon"><i class="ti-email"></i></span>
                    <div class="media-body">
                        <h3>zarke998@gmail.com</h3>
                        <p>Ask us a question anytime!</p>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section>
```

50

about.php

```php
<div id="about-main" class="container-fluid px-4 my-5">
    <div class="row mx-0">
        <div class="col-sm-12 offset-sm-0 offset-md-0 col-md-8">
            <div class="row mx-0">
                <div class="col-12 text-center mb-3">
                    <h2>About me</h2>
                </div>
                <div class="col-8 offset-2 col-sm-6 offset-sm-3 offset-md-0 col-md-4 mb-
4">
                    <img src="/assets/images/profile.jpg" alt="Profile image" class="w-
100">
                </div>
                <div id="about-info" class="col-12 col-md-8">
                    <p>My name is Andrej Zarkovski. I'm studying web programming at "Viso
ka ICT Škola" in Belgrade. In my early childhood I was very interested in how computers w
ork and I continued to learn more about them. Now I am pursuing career in computer progra
mming. I love japanese culture and I love playing video games.</p>
                    <div id="about-info-links">
                        <p>Portfolio: <a href="https://zarke998.github.io/web-
portfolio" target="_blank">zarke998.github.io/web-portfolio</a></p>
                        <p>GitHub: <a href="https://github.com/zarke998" target="_blank">
github.com/zarke998</a></p>
                        <p>LinkedIn: <a href="https://www.linkedin.com/in/andrej-
zarkovski-01b8a4188" target="_blank">linkedin.com/in/andrej-zarkovski-01b8a4188</a></p>
                    </div>
                    <a id="author-word-
btn" href="models/public/author_info_word.php" class="btn header-btn mx-auto d-block w-
50 mb-5">Download Author info</a>
                </div>
            </div>
        </div>
        <div class="col-12 col-md-4">
            <div id="about-socials mb-5">
                <h3 class="text-center mb-3">Socials</h3>
                <div id="about-socials-links" class="d-flex justify-content-center">
                    <a href="https://facebook.com" target="_blank"><i class="fab fa-
facebook-square"></i></a>
                    <a href="https://twitter.com" target="_blank"><i class="fab fa-
twitter-square"></i></a>
                    <a href="https://instagram.com" target="_blank"><i class="fab fa-
instagram"></i></a>
                    <a href="https://youtube.com" target="_blank"><i class="fab fa-
youtube"></i></a>
                </div>
```

51

```
        </div>
        <div id="about-twitter-embed">
            <a class="twitter-timeline" data-
height="400" href="https://twitter.com/Twitter?ref_src=twsrc%5Etfw">Tweets by Twitter</a>
 <script async src="https://platform.twitter.com/widgets.js" charset="utf-8"></script>
        </div>
    </div>
</div>
```

cart.php

```html
<section class="cart_area section_padding">
    <div class="container">
      <h2 id="cart-info" class="text-center mb-5">There are no items in the cart.</h2>
      <div class="cart_inner">
        <div class="table-responsive">
          <table class="table">
            <thead>
              <tr>
                <th scope="col">Product</th>
                <th scope="col">Price</th>
                <th scope="col">Discount</th>
                <th scope="col">Total</th>
              </tr>
            </thead>
            <tbody>
              <tr id="cart-subtotal">
                <td></td>
                <td></td>
                <td>
                  <h5>Subtotal</h5>
                </td>
                <td>
                  <h5 id="cart-subtotal-price">$0.00</h5>
                </td>
              </tr>
            </tbody>
          </table>
          <div class="checkout_btn_inner float-right">
            <a id="clear-cart-btn"class="btn_1" href="#">Clear cart</a>
          </div>
        </div>
      </div>
    </div>
  </section>
```

login.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);
    include_once ROOT."/models/pages.php";
    require_once ROOT."/models/account/login/login_processor.php";
    // require_once ROOT."/config/config.php";

    if(isset($_POST["login"])){
        ob_clean();

        header("Content-Type: application/json");

        $err_json = "";
        if(login($_POST["email"], $_POST["password"], $err_json)){
            http_response_code(200);

            if($_SESSION["user"]->role_id == 1)
                echo json_encode(["message" => "index.php?page=".Pages::Admin]);
            else
                echo json_encode(["message" => "index.php"]);
        }
        else{
            echo $err_json;
        }

        ob_end_flush();
        exit;
    }

?>

<section class="login_part section_padding ">
    <div class="container">
        <div class="row align-items-center">
            <div class="col-lg-6 col-md-6">
                <div id="login-side-section" class="login_part_text text-center">
                    <div class="login_part_text_iner">
                        <h2 class="text-stroke-black-1">Don't have an account?</h2>
                        <p class="text-stroke-black-
1">Sign up via button bellow for easier shopping experience.</p>
```

```
                        <a href="index.php?page=<?= Pages::Register?>" class="btn_3">Crea
te an Account</a>
                    </div>
                </div>
            </div>
            <div class="col-lg-6 col-md-6">
                <div class="login_part_form">
                    <div class="login_part_form_iner">
                        <h3>Welcome Back ! <br>
                            Please Sign in now</h3>
                        <form class="row contact_form" action="#" method="post">
                            <?php
                                if(isset($_SESSION["activation_successful"])): ?>
                                <div class="valid-feedback d-block ml-4">
                                    Account activated successfuly. Please login.
                                </div>

                            <?php endif;
                                unset($_SESSION["activation_successful"]);
                            ?>

                            <div class="col-md-12 form-group p_star">
                                <input type="text" class="form-
control" id="loginEmail" name="email" value=""
                                    placeholder="Username">
                                <div class="invalid-feedback">
                                    Looks good!
                                </div>
                            </div>
                            <div class="col-md-12 form-group p_star">
                                <input type="password" class="form-
control" id="loginPassword" name="password" value=""
                                    placeholder="Password">
                                    <div class="invalid-feedback">
                                    Looks good!
                                </div>
                            </div>
                            <div class="col-md-12 form-group">
                                <button id="loginBtn" type="button" value="on" class="btn
_3">

                                    log in
                                </button>
                            </div>
                        </form>
                    </div>
```

55

```
            </div>
        </div>
    </div>
  </div>
</section>
```

register.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/pages.php";
    require_once ROOT."/config/config.php";
    require_once ROOT."/models/account/register/register_processor.php";
    require_once ROOT."/models/account/register/register_activator.php";

    if(isset($_POST["register"])){
        ob_clean();

        header("Content-Type: application/json");
        $err_json = "";

        if(register($_POST["email"], $_POST["password"], $err_json)){
            http_response_code(200);
            echo json_encode(["message" => "Register successful. Please confirm your emai
l via activation link in your inbox."]);
        }
        else{
            echo $err_json;
        }

        ob_end_flush();
        exit;
    }
    else if(isset($_GET["uid"]) and isset($_GET["activation_key"])){
        if(activate_account($_GET["uid"], $_GET["activation_key"])){
            ob_clean();

            $_SESSION["activation_successful"] = true;
            header("Location: index.php?page=".Pages::Login);

            ob_end_flush();
            exit;
        }
        else{
            $activation_error_msg = "Error activating account. Try resending activation l
ink.";
        }
```

```php
    }
?>

<section class="login_part section_padding ">
    <div class="container">
        <div class="row align-items-center">
            <div class="col-lg-6 col-md-6">
                <div id="register-side-section" class="login_part_text text-center w-
100">
                    <div class="login_part_text_iner">
                        <h2 class="text-stroke-black-1">Already have an account?</h2>
                        <p class="text-stroke-black-1">Sign in via button bellow.</p>
                        <a href="index.php?page=<?= Pages::Login?>" class="btn_3">Sign in
</a>
                    </div>
                </div>
            </div>
            <div class="col-lg-6 col-md-6">
                <div class="login_part_form">
                    <div class="login_part_form_iner">
                        <h3>Need an account? <br>
                            Please fill in the form bellow</h3>
                        <form class="row contact_form" action="index.php?page=<?= Pages::
Register ?>" method="post">
                            <div class="col-md-12 form-group p_star">
                                <input type="text" class="form-
control" id="registerEmail" name="email" value=""
                                    placeholder="Email">
                                    <div class="invalid-feedback">
                                        Looks good!
                                    </div>
                            </div>
                            <div class="col-md-12 form-group p_star">
                                <input type="password" class="form-
control" id="registerPassword" name="password" value=""
                                    placeholder="Password">
                                <div class="invalid-feedback">
                                    Looks good!
                                </div>
                            </div>
                            <div class="col-md-12 form-group p_star">
                                <input type="password" class="form-
control" id="registerConfirmPassword" value=""
                                    placeholder="Confirm password">
                                <div class="invalid-feedback">
```

58

```html
                        Looks good!
                    </div>
                </div>
                <p id="resendActivationLink" class="ml-
4">Having trouble activating account? Try <a href="">resending activation link.</a></p>
                <div class="col-md-12 form-group">
                    <button id="registerBtn" type="button" name="submit" valu
e="submit" class="btn_3">

                        register
                    </button>
                </div>
                <?php
                    if(isset($activation_error_msg)): ?>
                    <div class="invalid-feedback d-block">
                        <?= $activation_error_msg ?>
                    </div>
                <?php endif; ?>
            </form>
        </div>
    </div>
</div>
</div>
</section>
```

error_page.php

```php
<div id="error-container" class="container mt-5">
    <h2><?= $error_title ?></h2>
    <p class="mt-4"><?= $error_msg ?></p>
</div>
```

admin

admin.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/pages.php";
    require_once ROOT."/models/log/get_page_access_percentages.php";
    require_once ROOT."/models/log/get_page_access_last_24h.php";
    require_once ROOT."/models/log/get_log_all.php";
?>

<div id="admin-container" class="container">
    <div id="admin-content-section" class="mt-4">
        <h2 class="text-center my-4">Content</h2>
        <div class="d-flex flex-column flex-md-row justify-content-center">
            <a href="index.php?page=<?= Pages::Admin_Add_Book ?>" class="btn header-
btn mx-3 mb-3">Add book</a>
            <a href="index.php?page=<?= Pages::Admin_Update_Book ?>" class="btn header-
btn mx-3 mb-3">Update book</a>
            <a href="index.php?page=<?= Pages::Admin_Delete_Book ?>" class="btn header-
btn mx-3 mb-3">Delete book</a>
        </div>
    </div>
    <div id="admin-statistic-section" class="my-5">
        <div id="admin-pages-percent">
            <h3>Pages access - percentage</h3>
            <ul class="row my-4">
                <?php
                    $page_percentages = get_page_access_percentages();
                    foreach($page_percentages as $key => $value): ?>
                        <li class="col-3 text-center"><?=$key?> -
 <?=$value?>%</li>
                <?php endforeach;?>
            </ul>
        </div>
        <div id="admin-pages-last-24">
            <h3>Last 24hr page access</h3>
            <ul class="row my-4">
                <?php
                    $page_access_last_24h = get_page_access_last_24h();
                    foreach($page_access_last_24h as $key => $value): ?>
```

```php
                    <li class="col-3 text-center"><?=$key?> -
<?=$value?></li>
                <?php endforeach;?>
            </ul>
        </div>
    </div>
    <div id="admin-page-access-log">
        <h3>Access log</h3>
        <div id="admin-log-window">
            <p>
                <?php
                    $log = get_log_all();
                    foreach($log as $line) : ?>
                        <?=$line?><br>
                <?php endforeach;?>
            </p>
        </div>
    </div>

</div>
```

admin_add_book.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/language/get_all.php";
    require_once ROOT."/models/author/get_all.php";
    require_once ROOT."/models/publisher/get_all.php";
    require_once ROOT."/models/back-type/get_all.php";
    require_once ROOT."/models/category/get_all.php";
?>

<div id="admin-add-book-container" class="container-fluid admin-content-container">
    <h2 class="text-center my-4">Add book</h2>
    <div class="row mx-0">
        <form class="my-5 col-sm-8 offset-sm-2 px-1 col-md-6 offset-md-
3" action="#" method="post">
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Title</span>
                <input class="form-control col-sm-8" type="text" name="bookTitle" />
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Description</span>
                <textarea class="form-control col-sm-
8" type="text" name="bookDescription"></textarea>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Category</span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <input class="form-
control" type="text" name="bookCategoryNew" placeholder="Add new category" />
                    <select name="bookCategory">
                        <option value="0">Select category:</option>
                        <?php
                            $categories = get_all_categories();

                            foreach($categories as $c) : ?>
                                <option value="<?=$c->id?>"><?=$c->name?></option>
                        <?php endforeach; ?>
                    </select>
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Language</span>
```

```html
            <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                <input class="form-
control" type="text" name="bookLanguageNew" placeholder="Add new language"/>
                <select name="bookLanguage">
                    <option value="0">Select language:</option>
                    <?php
                        $languages = get_all_languages();

                        foreach($languages as $l) : ?>
                            <option value="<?=$l->id?>"><?=$l->name?></option>
                    <?php endforeach; ?>
                </select>
                <i class="far fa-plus-square"></i>
            </div>
        </div>
        <div class="form-group row align-items-center">
            <span class="col-sm-4">Author</span>
            <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                <input class="form-
control" type="text" name="bookAuthorNew" placeholder="Add new author" />
                <select name="bookAuthor">
                    <option value="0">Select author:</option>
                    <?php
                        $authors = get_all_authors();

                        foreach($authors as $a) : ?>
                            <option value="<?=$a->id?>"><?=$a->name?></option>
                    <?php endforeach; ?>
                </select>
                <i class="far fa-plus-square"></i>
            </div>
        </div>
        <div class="form-group row align-items-center">
            <span class="col-sm-4">Publisher</span>
            <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                <input class="form-
control" type="text" name="bookPublisherNew" placeholder="Add new publisher"/>
                <select name="bookPublisher">
                    <option value="0">Select publisher:</option>
                    <?php
                        $publishers = get_all_publishers();

                        foreach($publishers as $p) : ?>
                            <option value="<?=$p->id?>"><?=$p->name?></option>
                    <?php endforeach; ?>
```

```html
                    </select>
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Publish Date</span>
                <input class="form-control col-sm-8" type="date" name="bookPublishDate"/>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Back Type</span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <input class="form-
control" type="text" name="bookBackTypeNew" placeholder="Add new back type"/>
                    <select name="bookBackType">
                        <option value="0">Select back type:</option>
                        <?php
                            $back_types = get_all_back_types();

                            foreach($back_types as $bt) : ?>
                                <option value="<?=$bt->id?>"><?=$bt->name?></option>
                        <?php endforeach; ?>
                    </select>
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Num. of pages</span>
                <input class="form-control col-sm-8" type="text" name="bookNumOfPages" />
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Critics rating</span>
                <input class="form-control col-sm-
8" type="text" name="bookCriticsRating" placeholder="(0.0 - 10.0)"/>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Price</span>
                <input class="form-control col-sm-
8" type="text" name="bookPrice" placeholder="Currency: dollar($)" />
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Discount</span>
                <input class="form-control col-sm-
8" type="text" name="bookDiscount" placeholder="In percent - %" />
            </div>
            <div class="form-group row align-items-center">
```

```html
            <span class="col-sm-4">Cover image</span>
            <input class="col-sm-8" type="file" name="bookCoverImage" />
        </div>
        <a id="admin-add-book-btn" href="#" class="btn header-btn w-100 mt-4">Add</a>
    </form>
  </div>
</div>
```

admin_delete_book.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/book/get_all.php";
?>

<div id="admin-delete-book-container" class="container admin-content-container">
    <h2 class="text-center my-4">Delete book</h2>
    <div class="row mx-0">
        <form class="my-5 col-sm-8 offset-sm-2 px-1 col-md-6 offset-md-
3" action="#" method="post">
            <div class="form-group row align-items-center mx-0">
                <span class="col-sm-4">Book to delete: </span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <select name="bookId">
                        <option value="0">Select book:</option>
                        <?php
                            $books = get_all_books(BOOK_TITLE_ONLY);

                            foreach($books as $b) : ?>
                                <option value="<?=$b->id?>"><?=$b->title?></option>
                        <?php endforeach; ?>
                    </select>
                </div>
            </div>
            <a id="admin-delete-book-btn" href="#" class="btn header-btn w-100 mt-
4">Delete</a>
        </form>
    </div>

</div>
```

admin_update_book.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);


    require_once ROOT."/models/language/get_all.php";
    require_once ROOT."/models/author/get_all.php";
    require_once ROOT."/models/publisher/get_all.php";
    require_once ROOT."/models/back-type/get_all.php";
    require_once ROOT."/models/book/get_all.php";
    require_once ROOT."/models/category/get_all.php";
?>

<div id="admin-add-book-container" class="container-fluid admin-content-container">
    <h2 class="text-center my-4">Update book</h2>
    <div class="row mx-0">
        <form class="col-sm-8 offset-sm-2 px-1 col-md-6 offset-md-
3" action="#" method="post">
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Book to update: </span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <select name="bookId">
                        <option value="0">Select book:</option>
                        <?php
                            $books = get_all_books(BOOK_TITLE_ONLY);

                            foreach($books as $b) : ?>
                                <option value="<?=$b->id?>"><?=$b->title?></option>
                        <?php endforeach; ?>
                    </select>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Title</span>
                <input class="form-control col-sm-8" type="text" name="bookTitle" />
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Description</span>
                <textarea class="form-control col-sm-
8" type="text" name="bookDescription"></textarea>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Category</span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
```

```php
                    <input class="form-
control" type="text" name="bookCategoryNew" placeholder="Add new category" />
                    <select name="bookCategory">
                        <option value="0">Select category:</option>
                        <?php
                            $categories = get_all_categories();

                            foreach($categories as $c) : ?>
                                <option value="<?=$c->id?>"><?=$c->name?></option>
                        <?php endforeach; ?>
                    </select>
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Language</span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <input class="form-
control" type="text" name="bookLanguageNew" placeholder="Add new language"/>
                    <select name="bookLanguage">
                        <option value="0">Select language:</option>
                        <?php
                            $languages = get_all_languages();

                            foreach($languages as $l) : ?>
                                <option value="<?=$l->id?>"><?=$l->name?></option>
                        <?php endforeach; ?>
                    </select>
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Author</span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <input class="form-
control" type="text" name="bookAuthorNew" placeholder="Add new author" />
                    <select name="bookAuthor">
                        <option value="0">Select author:</option>
                        <?php
                            $authors = get_all_authors();

                            foreach($authors as $a) : ?>
                                <option value="<?=$a->id?>"><?=$a->name?></option>
                        <?php endforeach; ?>
                    </select>
```

```html
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Publisher</span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <input class="form-
control" type="text" name="bookPublisherNew" placeholder="Add new publisher"/>
                    <select name="bookPublisher">
                        <option value="0">Select publisher:</option>
                        <?php
                            $publishers = get_all_publishers();

                            foreach($publishers as $p) : ?>
                                <option value="<?=$p->id?>"><?=$p->name?></option>
                        <?php endforeach; ?>
                    </select>
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Publish Date</span>
                <input class="form-control col-sm-8" type="date" name="bookPublishDate"/>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Back Type</span>
                <div class="col-sm-8 px-0 d-flex align-items-center book-prop-add">
                    <input class="form-
control" type="text" name="bookBackTypeNew" placeholder="Add new back type"/>
                    <select name="bookBackType">
                        <option value="0">Select back type:</option>
                        <?php
                            $back_types = get_all_back_types();

                            foreach($back_types as $bt) : ?>
                                <option value="<?=$bt->id?>"><?=$bt->name?></option>
                        <?php endforeach; ?>
                    </select>
                    <i class="far fa-plus-square"></i>
                </div>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Num. of pages</span>
                <input class="form-control col-sm-8" type="text" name="bookNumOfPages" />
            </div>
```

```html
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Critics rating</span>
                <input class="form-control col-sm-
8" type="text" name="bookCriticsRating" placeholder="(0.0 - 10.0)"/>
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Price</span>
                <input class="form-control col-sm-
8" type="text" name="bookPrice" placeholder="Currency: dollar($)" />
            </div>
            <div class="form-group row align-items-center">
                <span class="col-sm-4">Discount</span>
                <input class="form-control col-sm-
8" type="text" name="bookDiscount" placeholder="In percent - %" />
            </div>
            <a id="admin-update-book-btn" href="#" class="btn header-btn w-100 mt-
4">Update</a>
        </form>
    </div>

</div>
```

fixed

head.php

```php
<?php

    function getHead($title){
        return '
        <!doctype html>
        <html class="no-js" lang="zxx">
            <head>
                <meta charset="utf-8">
                <meta http-equiv="x-ua-compatible" content="ie=edge">
                <title>'.$title.'</title>
                <meta name="author" content="Andrej Zarkovski">
                <meta name="keywords" content="book, store, online bookstore, cheap, mode
rn">
                <meta name="description" content="Online book store. Here you can find th
e most modern books to read, and never be out of touch with the reading culture. Find the
 books that you want and need for very low prices.">
                <meta name="viewport" content="width=device-width, initial-scale=1">
                <link rel="manifest" href="site.webmanifest">
                <link rel="shortcut icon" type="image/x-icon" href="favicon.ico">

                <!-- CSS here -->
                    <link rel="stylesheet" href="/assets/css/bootstrap.min.css">
                    <link rel="stylesheet" href="/assets/css/owl.carousel.min.css">
                    <link rel="stylesheet" href="/assets/css/flaticon.css">
                    <link rel="stylesheet" href="/assets/css/slicknav.css">
                    <link rel="stylesheet" href="/assets/css/animate.min.css">
                    <link rel="stylesheet" href="/assets/css/magnific-popup.css">
                    <link rel="stylesheet" href="/assets/css/fontawesome-all.min.css">
                    <link rel="stylesheet" href="/assets/css/themify-icons.css">
                    <link rel="stylesheet" href="/assets/css/slick.css">
                    <link rel="stylesheet" href="/assets/css/nice-select.css">
                    <link rel="stylesheet" href="/assets/css/style.css">
                    <link rel="stylesheet" href="/assets/css/main.css">
            </head>';
        }

?>
```

72

header.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    include_once ROOT."/models/pages.php";
    require_once ROOT."/models/online_tracker/get_online_users.php";
?>

<body>

<header>
        <!-- Header Start -->
    <div class="header-area">
        <div class="main-header ">
                <?php
                    if(!isset($_SESSION["user"])) : ?>
                        <div class="header-top top-bg hide-header-top">
                <?php else: ?>
                    <div class="header-top top-bg">
                <?php endif; ?>
                        <div class="container-fluid">
                            <div class="col-xl-12">
                                    <div class="row d-flex justify-content-end align-items-center">
                                            <div class="header-info-left d-flex d-none">
                                                <div class="flag d-none">
                                                    <img src="assets/img/icon/header_icon.png" alt="">
                                                </div>
                                                <div class="select-this d-none">
                                                    <form action="#">
                                                        <div class="select-itms">
                                                            <select name="select" id="select1">
                                                                <option value="">USA</option>
                                                                <option value="">SPN</option>
                                                                <option value="">CDA</option>
```

73

```html
                                               <option value="">USD</option>
                                           </select>
                                       </div>
                                   </form>
                               </div>
                               <ul class="contact-now d-none">
                                   <li>+777 2345 7886</li>
                               </ul>
                           </div>
                           <div class="header-info-right d-none">
                               <ul>


                                   <li><a href="login.html">My Account </a></li>

                                   <li><a href="product_list.html">Wish List </a></li>

                                   <li><a href="cart.html">Shopping</a></li>

                                   <li><a href="cart.html">Cart</a></li>
                                   <li><a href="checkout.html">Checkout</a></li>

                               </ul>
                           </div>
                           <?php
                               if(isset($_SESSION["user"])) : ?>
                                   <span id="online-users-status"><i class="fas fa-circle mr-1"></i>Online users: <?=get_online_users()?></span>
                               <?php endif;?>
                       </div>
                   </div>
               </div>
           </div>

       <div class="header-bottom  header-sticky">
           <div class="container-fluid">
               <div class="row align-items-center">
                   <!-- Logo -->
                   <div class="col-xl-1 col-lg-1 col-md-1 col-sm-3">
                       <div class="logo">
                           <a href="index.php"><img src="assets/img/logo2.png" alt=""></a>
                       </div>
                   </div>
                   <div class="col-xl-6 col-lg-8 col-md-7 col-sm-5">
```

74

```php
                                    <!-- Main-menu -->
                                    <div class="main-menu f-left ml-5 d-none d-lg-block">
                                        <nav>
                                            <ul id="navigation">


                                                <?php
                                                    require_once ROOT."/models/menu/select.ph
p";

                                                    if(isset($_SESSION["user"]) and $_SESSION
["user"]->role_id == 1)

                                                        $menu = get_menu_by_name("header-
admin");

                                                    else
                                                        $menu = get_menu_by_name("header");

                                                    if($menu != null)
                                                        foreach($menu as $menu_item): ?>
                                                            <li><a href="<?= $menu_item-
>href ?>"><?= $menu_item->item_name ?></a></li>

                                                        <?php endforeach;
                                                    ?>
                                                    <?php
                                                        if(isset($_SESSION["user"])) : ?>
                                                            <li class="d-none cart-
nav"><a href="index.php?page=<?=Pages::Cart?>">Cart</a></li>
                                                            <li class="d-none logout-
nav"><a href="models/account/logout.php">Logout</a></li>
                                                        <?php else: ?>

                                                            <li class="d-none cart-
nav"><a href="index.php?page=<?=Pages::Cart?>">Cart</a></li>
                                                            <li class="d-none login-
nav"><a href="index.php?page=<?=Pages::Login?>">Sign in</a></li>
                                                            <li class="d-none register-
nav"><a href="index.php?page=<?=Pages::Register?>">Register</a></li>
                                                        <?php endif; ?>
                                                </ul>
                                        </nav>
                                    </div>
                                </div>
                                <div id="cart-account-btns" class="col-xl-5 col-lg-3 col-md-
3 col-sm-3 fix-card ">
                                    <ul class="header-right f-right d-none d-lg-block d-
flex justify-content-between">
```

```php
                                        <div id="shopping-cart" class="shopping-card">
                                            <span>0</span>
                                            <a href="index.php?page=<?=Pages::Cart?>"><i
class="fas fa-shopping-cart"></i></a>
                                        </div>
                                    </li>
                                    <?php
                                        if(isset($_SESSION["user"])) : ?>
                                            <li id="logout-btn" class="d-lg-
block"> <a href="models/account/logout.php" class="btn header-btn">Logout</a></li>
                                        <?php else: ?>
                                            <li id="login-btn" class="d-lg-
block"> <a href="index.php?page=<?= Pages::Login ?>" class="btn header-
btn">Sign in</a></li>

                                            <li id="register-btn" class="d-lg-
block"> <a href="index.php?page=<?= Pages::Register ?>" class="btn header-
btn">Register</a></li>

                                        <?php endif; ?>
                                </ul>
                            </div>
                            <!-- Mobile Menu -->
                            <div class="col-12">
                                <div class="mobile_menu d-block d-lg-none"></div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
            <!-- Header End -->
</header>
```

main_intro_slider.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/pages.php";
    require_once ROOT."/models/book/get_book_rand_discount.php";

    $book_rand_discount = get_book_rand_discount();
?>

<div class="slider-area ">
        <!-- Mobile Menu -->
        <div class="slider-active">
            <div id="main-intro-slider" class="single-slider slider-height" data-
background="assets/img/hero/h1_hero.jpg">
                <div class="container">
                    <div class="row d-flex justify-content-between pt-8 pb-5">
                        <div class="col-xl-6 col-lg-6 col-md-6 col-sm-6 d-none d-md-
block">
                            <div id="main-intro-slider-image" class="hero__img" data-
animation="fadeIn" data-delay=".4s">
                                <img src="<?=$book_rand_discount-
>cover_url?>" alt="">
                            </div>
                        </div>
                        <div class="col-xl-5 col-lg-5 col-md-5 col-sm-8 mt-5">
                            <div id="main-intro-slider-info" class="hero__caption">
                                <span data-animation="fadeInRight" data-
delay=".4s"><?=$book_rand_discount->discount?>% Discount</span>
                                <h1 class="text-stroke-black-2"data-
animation="fadeInRight" data-delay=".6s"><?=$book_rand_discount->title?></h1>
                                <p class="mt-5" data-animation="fadeInRight" data-
delay=".8s"><?=$book_rand_discount->description?></p>
                                <!-- Hero-btn -->
                                <div class="hero__btn" data-
animation="fadeInRight" data-delay="1s">
                                    <a href="index.php?page=<?=Pages::Shop?>" class="
btn hero-btn">Shop Now</a>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
```

77

```
        </div>
    </div>
```

main_intro.php

```php
<?php
    function getMainIntro($title){
        $container_identifier = strtolower($title)."-main-intro";

        return '
        <div id="'.$container_identifier.'" class="main-intro slider-area ">
        <!-- Mobile Menu -->
            <div class="single-slider slider-height2 d-flex align-items-center">
                <div class="container">
                    <div class="row">
                        <div class="col-xl-12">
                            <div class="hero-cap text-center">
                                <h2 class="text-stroke-black-2">'.$title.'</h2>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>';
    }
?>
```

bullet_points.php

```php
<div class="shop-method-area section-padding30 py-5 bullet-points">
    <div class="container">
        <div class="row d-flex justify-content-between">
            <div class="col-xl-3 col-lg-3 col-md-6">
                <div class="single-method mb-40">
                    <i class="ti-package"></i>
                    <h6>Shipping Worldwide</h6>
                    <p>For purchases over 50$ free shiping to your home address.(Check country eligibility)</p>
                </div>
            </div>
            <div class="col-xl-3 col-lg-3 col-md-6">
                <div class="single-method mb-40">
                    <i class="ti-unlock"></i>
                    <h6>Free books in pdf</h6>
                    <p>Sign up for an account, and gain access to numerous free eBooks in pdf.</p>
                </div>
            </div>
            <div class="col-xl-3 col-lg-3 col-md-6">
                <div class="single-method mb-40">
                    <i class="ti-reload"></i>
                    <h6>Recycle used books</h6>
                    <p>By sending us used books for recycling, you get 25% discount on your next purchase.</p>
                </div>
            </div>
        </div>
    </div>
</div>
```

footer.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/menu/select.php";

    function getFooter($scripts){

        $scriptTags = "";

        if($scripts != null)
            foreach($scripts as $script){
                $scriptTags.= "<script src=\"$script\"></script>";
            }

        $quick_links = "";

        $menu = get_menu_by_name("header");
        foreach($menu as $menu_item){
            $quick_links.= '<li><a href="'.$menu_item->href.'">'.$menu_item->item_name.'</a></li>';
        }


        $legal = "";

        $legal_menu = get_menu_by_name("footer-legal");
        foreach($legal_menu as $menu_item){
            $legal.= '<li><a href="'.$menu_item->href.'">'.$menu_item->item_name.'</a></li>';
        }


        $contact = "";

        $contact_menu = get_menu_by_name("footer-contact");
        foreach($contact_menu as $menu_item){
            $contact.= '<li><a href="'.$menu_item->href.'">'.$menu_item->item_name.'</a></li>';
        }

        return '
        <footer>
        <!-- Footer Start-->
```

```html
<div class="footer-area footer-padding">
    <div class="container">
        <div class="row d-flex justify-content-between">
            <div class="col-xl-3 col-lg-3 col-md-5 col-sm-6">
                <div class="single-footer-caption mb-50">
                    <div class="single-footer-caption mb-30">
                        <!-- logo -->
                        <div class="footer-logo">
                            <a href="index.html"><img src="assets/img/logo2.png" alt=""></a>
                        </div>
                        <div class="footer-tittle">
                            <div class="footer-pera">
                                <p>We are an online bookstore that provides quality reading material. Find books for your taste for a low price.</p>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
            <div class="col-xl-2 col-lg-3 col-md-3 col-sm-5">
                <div class="single-footer-caption mb-50">
                    <div class="footer-tittle">
                        <h4>Quick Links</h4>
                        <ul>
                            '.$quick_links.'
                        </ul>
                    </div>
                </div>
            </div>
            <div class="col-xl-3 col-lg-3 col-md-4 col-sm-7">
                <div class="single-footer-caption mb-50">
                    <div class="footer-tittle">
                        <h4>Legal</h4>
                        <ul>
                            '.$legal.'
                        </ul>
                    </div>
                </div>
            </div>
            <div class="col-xl-3 col-lg-3 col-md-5 col-sm-7">
                <div class="single-footer-caption mb-50">
                    <div class="footer-tittle">
                        <h4>Contact</h4>
                        <ul>
```

```
                                                 '.$contact.'
                                       </ul>
                                   </div>
                              </div>
                          </div>
                      </div>
                      <!-- Footer bottom -->
                      <div class="row">
                       <div class="col-xl-7 col-lg-7 col-md-7">
                           <div class="footer-copy-right">
                               <p><!--
Link back to Colorlib can\'t be removed. Template is licensed under CC BY 3.0. -->
   Copyright &copy;<script>document.write(new Date().getFullYear());</script> All rights
reserved | This template is made with <i class="ti-heart" aria-
hidden="true"></i> by <a href="https://colorlib.com" target="_blank">Colorlib</a>
   <!-- Link back to Colorlib can\'t be removed. Template is licensed under CC BY 3.0. --
></p>                        </div>
                      </div>
                       <div class="col-xl-5 col-lg-5 col-md-5">
                           <div class="footer-copy-right f-right">
                               <!-- social -->
                               <div class="footer-social">
                                   <a href="https://twitter.com" target="_blank"><i class="fab
fa-twitter"></i></a>
                                   <a href="https://facebook.com" target="_blank"><i class="fab
 fa-facebook-f"></i></a>
                                   <a href="https://instagram.com" target="_blank"><i class="fa
b fa-instagram"></i></a>
                                   <a href="https://youtube.com" target="_blank"><i class="fab
fa-youtube"></i></a>
                               </div>
                           </div>
                       </div>
               </div>
             </div>
        </div>
        <!-- Footer End-->

    </footer>

     <!-- JS here -->

        <!-- All JS Custom Plugins Link Here here -->
        <!-- Jquery, Popper, Bootstrap -->
        <script src="/assets/js/vendor/jquery-1.12.4.min.js"></script>
```

```php
        <script src="/assets/js/popper.min.js"></script>
        <script src="/assets/js/bootstrap.min.js"></script>
        <!-- Jquery Mobile Menu -->
        <script src="/assets/js/jquery.slicknav.min.js"></script>

        <!-- Jquery Slick , Owl-Carousel Plugins -->
        <script src="/assets/js/owl.carousel.min.js"></script>
        <script src="/assets/js/slick.min.js"></script>

        <!-- One Page, Animated-HeadLin -->
        <script src="/assets/js/wow.min.js"></script>
        <script src="/assets/js/animated.headline.js"></script>
        <script src="/assets/js/jquery.magnific-popup.js"></script>

        <!-- Scrollup, nice-select, sticky -->
        <script src="/assets/js/jquery.scrollUp.min.js"></script>
        <script src="/assets/js/jquery.nice-select.min.js"></script>
        <script src="/assets/js/jquery.sticky.js"></script>

        <!-- contact js -->
        <script src="/assets/js/contact.js"></script>
        <script src="/assets/js/jquery.form.js"></script>
        <script src="/assets/js/jquery.validate.min.js"></script>
        <script src="/assets/js/mail-script.js"></script>
        <script src="/assets/js/jquery.ajaxchimp.min.js"></script>

        <!-- Jquery Plugins, main Jquery -->
        <script src="/assets/js/plugins.js"></script>
        <script src="/assets/js/main.js"></script>
        '.$scriptTags.'
    </body>
</html>
        ';
    }
?>
```

models

pages.php

```php
<?php
    class Pages{
        const Home = 0;
        const Shop = 1;
        const Contact = 2;
        const About = 3;
        const Login = 4;
        const Register = 5;
        const Admin = 6;
        const Admin_Add_Book = 7;
        const Admin_Update_Book = 8;
        const Admin_Delete_Book = 9;
        const Cart = 10;
    }

    function get_page_name($id){
        switch($id){
            case 0: return "Home"; break;
            case 1: return "Shop"; break;
            case 2: return "Contact"; break;
            case 3: return "About"; break;
            case 4: return "Login"; break;
            case 5: return "Register"; break;
            case 6: return "Admin"; break;
            case 7: return "Admin Add Book"; break;
            case 8: return "Admin Update Book"; break;
            case 9: return "Admin Delete Book"; break;
            case 10: return "Cart"; break;
            default: return null; break;
        }
    }
?>
```

account

logout.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/online_tracker/set_user_online_status.php";

    if(isset($_SESSION["user"])){
        set_user_online_status($_SESSION["user"]->id, false);

        session_unset();
        session_destroy();
    }

    header("Location: /index.php");
?>
```

login

login_processor.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    require_once ROOT."/models/mailer/send_mail.php";
    require_once ROOT."/models/online_tracker/set_user_online_status.php";
    include_once ROOT."/models/log/log.php";


    function login($email, $password, &$err_json){
        global $conn;

        $emailSlashed = addslashes($email);
        $query = "SELECT * FROM users
                    WHERE email=? AND is_confirmed = 1";

        try{
            $stm = $conn->prepare($query);
            $stm->bindParam(1,$emailSlashed);
            $stm->execute();

            if($stm->rowCount() == 0){
                http_response_code(401);
                $err_json = json_encode(["message" => "User not registered."]);

                return false;
            }

            $user = $stm->fetch();

            if(!password_verify($password, $user->password)){

                //Send login fail mail
                $mail_body = "<h4>Failed to login to CyberBook. <br> Reason: Password inc
orrect. </h4>";
                send_mail($user->email, "CyberBook - Login failed", $mail_body);

                http_response_code(401);
```

88

```php
            $err_json = json_encode(["message" => "Password incorrect."]);

            log_error("Failed to send mail. Exception:");
            return false;
        }

        $_SESSION["user"] = $user;
        set_user_online_status($user->id, true);

        return true;
    }
    catch(Exception $e){
        //Send login fail mail
        $mail_body = "<h4>Failed to login to CyberBook. <br> Reason: Internal server
error. </h4>";
        send_mail($user->email, "CyberBook - Login failed", $mail_body);

        http_response_code(500);
        $err_json = json_encode(["message" => "Internal server error."]);

        //Log error
        log_error("Failed to send mail. Exception: {$e->getMessage()}");
        return false;
    }
}
?>
```

register

register_activator.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function activate_account($uid, $activation_key){
        global $conn;

        $query = "UPDATE users
                    SET activation_key = NULL, is_confirmed = 1
                    WHERE id=:id AND activation_key=:key";

        try{
            $stm = $conn->prepare($query);
            $stm->bindParam(":id",$uid);
            $stm->bindParam(":key", $activation_key);
            $stm->execute();

            if($stm->rowCount() > 0){
                return true;
            }
            else{
                return false;
            }
        }
        catch(Exception $e){
            log_error("Error activating account. Exception: {$e->getMessage()}");
            return false;
        }
    }
?>
```

register_processor.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    require_once ROOT."/config/config.php";
    require_once ROOT."/models/pages.php";
    require_once ROOT."/models/mailer/send_mail.php";

    include_once ROOT."/models/log/log.php";

    function register($email, $password, &$err_json = null){
        global $conn;

        if(!preg_match("/^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-
z]{2,})+$/", $email)){
            http_response_code(422); // 422 - Unprocessable entity
            $err_json = json_encode(["message" => "Server message: Email must contain onl
y lowercase letters and numbers and dots(.)"]);
            return false;
        }
        else if(!preg_match("/^(?=.*[A-Z])(?=.*[a-z])(?=.*\d)[A-Za-
z\d]{8,}$/", $password)){
            http_response_code(422); // 422 - Unprocessable entity
            $err_json = json_encode(["message" => "Server message: Password must contain
one lowercase, uppercase letter and a number. And must be at least 8 characters long."]);
            return false;
        }


        try{
            if(checkUserRegistered($email)){
                http_response_code(409); // 409 - Conflict
                $err_json = json_encode(["message" => "User already registered."]);
                return false;
            }

            $emailSlashed = addslashes($email);
            $password = password_hash($password, PASSWORD_DEFAULT);
            $activation_key = bin2hex(random_bytes(16));

            $query = "INSERT INTO users(id,email,password, activation_key, is_confirmed,
role_id)
```

91

```php
                                    VALUES(NULL, :email, :password, :activation_key, :is_conf
irmed, :role_id)";
            $stm = $conn->prepare($query);
            $stm->bindParam(":email", $emailSlashed);
            $stm->bindParam(":password", $password);
            $stm->bindParam(":activation_key", $activation_key);
            $stm->bindValue(":is_confirmed", false, PDO::PARAM_BOOL);
            $stm->bindValue(":role_id", 2, PDO::PARAM_INT); // User role


            if(!$stm->execute()){
                http_response_code(500);
                $err_json = json_encode(["message" => "SERVER ERROR: Error registering us
er."]);

                return false;
            }
            $uid = $conn->lastInsertId();



            // Send activation link
            $regiserPage = Pages::Register;
            $mailBody = '<h2>Please activate your account by clicking on the link below.<
/h2>
                        <p>Click here: <a href="'.BASE_URL.'/index.php?page='.$regiserPag
e.'&uid='.$uid.'&activation_key='.$activation_key.'"> activation link.</a>';
            $send_error = "";
            if(send_mail($email, "CyberBook -
 Account activation",$mailBody, $send_error)){
                return true;
            }
            else{
                $err_json = json_encode(["message" => "Error sending activation link. Try
 resending activation key."]);
                // log $send_error
                return false;
            }



    }
    catch(Exception $e){
        http_response_code(500);
        $err_json = json_encode(["message" => "SERVER ERROR: Error registering user."
]);

        log_error("Error registering user. Exception {$e->getMessage()}");
        return false;
```

```php
        }
    }

    function checkUserRegistered($email){
        global $conn;

        $email = addslashes($email);

        $query = "SELECT * FROM users WHERE email=:email";
        $stm = $conn->prepare($query);
        $stm->bindParam(":email", $email);

        $stm->execute();
        if($stm->rowCount() > 0)
            return true;

        return false;
    }
?>
```

author

add_author.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function add_author($name){
        global $conn;

        try{
            $query = "INSERT INTO authors
            VALUES(NULL, ?)";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $name);

            if(!$stm->execute()){
                return 0;
            }

            $id = $conn->lastInsertId();
            return $id;

        }
        catch(Exception $e){

            log_error("Error adding author. Exception {$e->getMessage()}");
            return 0;
        }

    }
?>
```

get_all.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_all_authors(){
        global $conn;

        try{
            $query = "SELECT * FROM authors";
            $stm = $conn->prepare($query);

            if(!$stm->execute()){
                return 0;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching authors. Exception {$e->getMessage()}");
            return null;
        }

    }
?>
```

back-type

add_back_type.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function add_back_type($name){
        global $conn;

        try{
            $query = "INSERT INTO back_types
            VALUES(NULL, ?)";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $name);

            if(!$stm->execute()){
                return 0;
            }

            $id = $conn->lastInsertId();
            return $id;

        }
        catch(Exception $e){
            log_error("Error adding back type. Exception {$e->getMessage()}");
            return 0;
        }

    }
?>
```

get_all.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_all_back_types(){
        global $conn;

        try{
            $query = "SELECT * FROM back_types";
            $stm = $conn->prepare($query);

            if(!$stm->execute()){
                return 0;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching back types. Exception {$e->getMessage()}");

            return null;
        }

    }
?>
```

book

add_book.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";

    require_once ROOT."/models/category/add_category.php";
    require_once ROOT."/models/language/add_language.php";
    require_once ROOT."/models/author/add_author.php";
    require_once ROOT."/models/publisher/add_publisher.php";
    require_once ROOT."/models/back-type/add_back_type.php";

    require_once ROOT."/models/image/resize_image.php";
    require_once ROOT."/models/image/move_to_books_tmp.php";
    require_once ROOT."/models/image/add_image.php";
    require_once ROOT."/models/image/functions.php";

    include_once ROOT."/models/log/log.php";

    header("Content-Type: application/json");

    if(!isset($_SESSION["user"]) or $_SESSION["user"]-
>role_id != 1 or !isset($_POST["addBookBtn"])){
        http_response_code(403);
        echo json_encode(["message" => "Access forbidden."]);
        exit;
    }

#region POST variables
    $title = $_POST["bookTitle"];

    $description = $_POST["bookDescription"];

    $categoryNew = $_POST["bookCategoryNew"];
    $categoryId = $_POST["bookCategory"];

    $languageNew = $_POST["bookLanguageNew"];
    $languageId = $_POST["bookLanguage"];
```

98

```php
    $authorNew = $_POST["bookAuthorNew"];
    $authorId = $_POST["bookAuthor"];


    $publisherNew = $_POST["bookPublisherNew"];
    $publisherId = $_POST["bookPublisher"];


    $publishDate = $_POST["bookPublishDate"];


    $backTypeNew = $_POST["bookBackTypeNew"];
    $backTypeId = $_POST["bookBackType"];


    $numOfPages = $_POST["bookNumOfPages"];


    $criticsRating = $_POST["bookCriticsRating"];


    $price = $_POST["bookPrice"];


    $discount = $_POST["bookDiscount"];


    $coverImage = $_FILES["bookCoverImage"];
#endregion

#region variable validation
    if($coverImage["size"] > 500000){
        output_json("Image can not be bigger than 500KB.", 413); // 413 -
 Payload too large
        exit;
    }
    else if(!in_array($coverImage["type"], ["image/png", "image/jpeg"])){
        output_json("Image must be jpg or png.", 406); // 406 - Not acceptable
        exit;
    }

    if($languageNew != ""){
        $languageId = add_language($languageNew);

        if($languageId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($categoryNew != ""){
        $categoryId = add_category($categoryNew);
```

```php
        if($categoryId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($authorNew != ""){
        $authorId = add_author($authorNew);

        if($authorId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($publisherNew != ""){
        $publisherId = add_publisher($publisherNew);

        if($publisherId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($backTypeNew != ""){
        $backTypeId = add_back_type($backTypeNew);

        if($backTypeId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }
#endregion


    try{
        $query = "INSERT INTO books(title, description, publish_date, num_of_pages, criti
cs_rating, price, discount, language_id, back_type_id, author_id, publisher_id, category_
id)
        VALUES(?,?,?,?,?,?,?,?,?,?,?,?)";
        $stm = $conn->prepare($query);
        $stm->bindParam(1, $title);
        $stm->bindParam(2, $description);
        $stm->bindParam(3, $publishDate);
```

10

```php
        $stm->bindParam(4, $numOfPages);
        $stm->bindParam(5, $criticsRating);
        $stm->bindParam(6, $price);
        $stm->bindParam(7, $discount);
        $stm->bindParam(8, $languageId);
        $stm->bindParam(9, $backTypeId);
        $stm->bindParam(10, $authorId);
        $stm->bindParam(11, $publisherId);
        $stm->bindParam(12, $categoryId);

        if(!$stm->execute()){
            output_json("Internal server error.", 500);
            exit;
        }

        $bookId = $conn->lastInsertId();

#region Generate thumbnails

        $extension = get_extension_from_mime($coverImage["type"]);

        $image_tmp_path = move_to_books_tmp($coverImage["tmp_name"],$extension);
        $image_tmp = image_by_extension($image_tmp_path, $extension);

        // Thumb paths
        $thumbTime = round(microtime(true) * 1000);
        $href_small = "/assets/images/books/small/$thumbTime.$extension";
        $href_medium = "/assets/images/books/medium/$thumbTime.$extension";
        $href_big = "/assets/images/books/big/$thumbTime.$extension";

        $image_small_path = ROOT.$href_small;
        $image_medium_path = ROOT.$href_medium;
        $image_big_path = ROOT.$href_big;

        //Resize images
        $image_small = resize_image($image_tmp, IMAGE_SIZE_SMALL);
        $image_medium = resize_image($image_tmp, IMAGE_SIZE_MEDIUM);
        $image_big = resize_image($image_tmp, IMAGE_SIZE_BIG);

        // Save
        image_save_by_extension($image_small, $image_small_path, $extension);
        image_save_by_extension($image_medium, $image_medium_path, $extension);
        image_save_by_extension($image_big, $image_big_path, $extension);

        //Insert into database
```

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```php
        add_image($bookId, $href_small, IMAGE_SIZE_SMALL);
        add_image($bookId, $href_medium, IMAGE_SIZE_MEDIUM);
        add_image($bookId, $href_big, IMAGE_SIZE_BIG);


        imagedestroy($image_small);
        imagedestroy($image_medium);
        imagedestroy($image_big);

        unlink($image_tmp_path);

#endregion

        output_json("Book added successfuly.", 200);
        exit;
    }
    catch(Exception $e){
        output_json("Internal server error.", 500);

        log_error("Error adding book. Exception {$e->getMessage()}");
        exit;
    }



    function output_json($message, $status_code){
        http_response_code($status_code);
        echo json_encode(["message" => $message]);
    }
?>
```

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delete_book.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    require_once ROOT."/models/image/get_images_by_book.php";

    include_once ROOT."/models/log/log.php";

    header("Content-Type: application/json");

    if(!isset($_SESSION["user"]) or $_SESSION["user"]-
>role_id != 1 or !isset($_POST["deleteBookBtn"])){
        http_response_code(403);
        echo json_encode(["message" => "Access forbidden."]);
        exit;
    }

#region POST variables
    $id = $_POST["bookId"];
#endregion

    try{
        $query = "DELETE FROM books WHERE id=?";
        $stm = $conn->prepare($query);
        $stm->bindParam(1, $id);

        // Delete images
        $images = get_images_by_book($id);
        foreach($images as $i){
            $path = ROOT.$i->href;
            unlink($path);
        }

        if(!$stm->execute()){
            output_json("Internal server error.", 500);
            exit;
        }
#endregion
```

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```php
        output_json("Book deleted successfuly.", 200);
        exit;
    }
    catch(Exception $e){
        output_json("Internal server error.", 500);

        log_error("Error deleting book. Exception {$e->getMessage()}");
        exit;
    }



    function output_json($message, $status_code){
        http_response_code($status_code);
        echo json_encode(["message" => $message]);
    }
?>
```

get_all.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";

    include_once ROOT."/models/log/log.php";

    define("BOOK_FULL_INFO", 0);
    define("BOOK_TITLE_ONLY", 1);

    function get_all_books($fetch_type = BOOK_FULL_INFO){
        global $conn;

        switch($fetch_type){
            case BOOK_TITLE_ONLY:
                $query = "SELECT id, title FROM books";
                break;
            default: // BOOK_FULL_INFO
                $query = "SELECT * FROM books";
                break;
        }


        try{
            $stm = $conn->prepare($query);

            if(!$stm->execute()){
                return null;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){

            log_error("Error fetching all books. Exception {$e->getMessage()}");
            return null;
        }

    }
?>
```

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get_book.php

```php
<?php
    header("Content-Type: application/json");

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/image/resize_image.php";
    require_once ROOT."/config/connection.php";
    require_once ROOT."/models/utilities/json_utilities.php";

    include_once ROOT."/models/log/log.php";

    if(!isset($_GET["id"])){
        echo json_encode(["message" => "Book id not set."]);
        exit;
    }

    $id = $_GET["id"];

    $lod_level = IMAGE_SIZE_MEDIUM;
    if(isset($_GET["lod_level"]))
        $lod_level = $_GET["lod_level"];

    try{
        $query = "SELECT books.id AS bookId, title, description, publish_date, num_of_pag
es, critics_rating, price, discount, language_id, back_type_id, author_id, publisher_id,
category_id, book_images.href AS cover_url FROM books
                    INNER JOIN book_images ON book_images.book_id = books.id
                -- INNER JOIN authors ON books.author_id = authors.id
                -- INNER JOIN publishers ON books.publisher_id = publisher.id
                -- INNER JOIN languages ON books.language_id = languages.id
                -- INNER JOIN back_types ON books.back_type_id = back_types.id
                WHERE books.id=? AND book_images.lod_level = ?";
        $stm = $conn->prepare($query);
        $stm->bindParam(1, $id);
        $stm->bindParam(2, $lod_level);

        if(!$stm->execute()){
            output_json_message("Internal server error", 500);
            exit;
        }

        echo json_encode($stm->fetch());
```

```php
    }
    catch(Exception $e){
        output_json_message("Internal server error", 500);

        log_error("Error getting book by id. Exception {$e->getMessage()}");
        exit;
    }
?>
```

get_book_rand_discount.php

```php
<?php

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/image/resize_image.php";
    require_once ROOT."/config/connection.php";

    include_once ROOT."/models/log/log.php";

    function get_book_rand_discount(){
        try{
            global $conn;

            $query = "SELECT *
                        FROM (
                            SELECT books.id AS bookId, title, description, publish_date, num
_of_pages, critics_rating, price, discount, language_id, back_type_id, author_id, publish
er_id, book_images.href AS cover_url FROM books
                            INNER JOIN book_images ON books.id = book_images.book_id
                            WHERE lod_level = ?
                            ORDER BY discount DESC
                            LIMIT 10) AS x
                        ORDER BY rand()
                        LIMIT 1";
            $stm = $conn->prepare($query);
            $stm->bindValue(1, IMAGE_SIZE_BIG);

            if(!$stm->execute()){
                return null;
            }

            return $stm->fetch();
        }
        catch(Exception $e){

            log_error("Error updating book. Exception {$e->getMessage()}");
            return null;
            exit;
        }
    }

?>
```

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get_books_by_criteria.php

```php
<?php
    header("Content-Type: application/json");

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/image/resize_image.php";
    require_once ROOT."/config/connection.php";
    require_once ROOT."/models/utilities/json_utilities.php";

    require_once ROOT."/models/sort/get_criterias_by_area.php";

    include_once ROOT."/models/log/log.php";


    try{
        $query_count = executeBooksQuery(true);

        $query_result = executeBooksQuery();

        echo json_encode(["query_count" => $query_count, "query_result" => $query_result]
);
        exit;
    }
    catch(Exception $e){
        var_dump($e->getMessage());
        output_json_message("Internal server error", 500);

        log_error("Error getting books by criteria. Exception {$e->getMessage()}");
        exit;
    }


    function executeBooksQuery($get_query_count = false){
        if(!isset($_GET["getBooksByCriteria"])){
            output_json_message("Incomplete input data.", 400);
            exit;
        }


#region Query Building
        $sort_area = $_GET["sortArea"];

        $shop_criterias = get_criterias_by_area($sort_area);
```

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```php
$sortCrit = "";
if(isset($_GET["sortCrit"])){
    foreach($shop_criterias as $crit){
        if($crit->sort_id == $_GET["sortCrit"])
            $sortCrit = $crit->query;
    }
}

$limit = $_GET["limit"];
$offset = $_GET["offset"];

$searchQuery = "";
if(isset($_GET["search"]) and $_GET["search"] != ""){
    $searchQuery = "AND INSTR(title,:search) > 0 ";
}

$categoriesFilter = "";
if(isset($_GET["categories"]) and $_GET["categories"] != null){
    $categories = $_GET["categories"];

    $categoriesFilter = "AND category_id IN(:category0";
    for($i = 1; $i < count($categories); $i++){
        $categoriesFilter.= ",:category$i";
    }
    $categoriesFilter.= ") ";
}

$languagesFilter = "";
if(isset($_GET["languages"]) and $_GET["languages"] != null){
    $languages = $_GET["languages"];

    $languagesFilter = "AND language_id IN(:language0";
    for($i = 1; $i < count($languages); $i++){
        $languagesFilter.= ",:language$i";
    }
    $languagesFilter.= ") ";
}

$authorsFilter = "";
if(isset($_GET["authors"]) and $_GET["authors"] != null){
    $authors = $_GET["authors"];

    $authorsFilter = "AND author_id IN(:author0";
    for($i = 1; $i < count($authors); $i++){
```

```php
            $authorsFilter.= ",:author$i";
        }
        $authorsFilter.= ") ";
    }


    $publishersFilter = "";
    if(isset($_GET["publishers"]) and $_GET["publishers"] != null){
        $publishers = $_GET["publishers"];

        $publishersFilter = "AND publisher_id IN(:publisher0";
        for($i = 1; $i < count($publishers); $i++){
            $publishersFilter.= ",:publisher$i";
        }
        $publishersFilter.= ") ";
    }


    $backTypesFilter = "";
    if(isset($_GET["backTypes"]) and $_GET["backTypes"] != null){
        $backTypes = $_GET["backTypes"];

        $backTypesFilter = "AND back_type_id IN(:backType0";
        for($i = 1; $i < count($backTypes); $i++){
            $backTypesFilter.= ",:backType$i";
        }
        $backTypesFilter.= ") ";
    }
#endregion
    if($get_query_count){
        $limitFilter = "";
        $columnsFilter = "COUNT(*) AS query_count";
    }
    else{
        $limitFilter = "LIMIT :limit OFFSET :offset ";
        $columnsFilter = "books.id AS bookId, title, description, publish_date, num_o
f_pages, critics_rating, price, discount, language_id, back_type_id, author_id, publisher
_id, category_id, book_images.href AS cover_url ";
    }
    $query = "SELECT $columnsFilter FROM books
                INNER JOIN book_images ON book_images.book_id = books.id

            WHERE book_images.lod_level = ".IMAGE_SIZE_MEDIUM." $searchQuery $authors
Filter $languagesFilter $publishersFilter $backTypesFilter $categoriesFilter
            $sortCrit
            $limitFilter";
```

11

```php
        global $conn;
        $stm = $conn->prepare($query);

#region Bind params
        if(!$get_query_count){
            $stm->bindParam(":limit", $limit, PDO::PARAM_INT);
            $stm->bindParam(":offset", $offset, PDO::PARAM_INT);
        }

        if($searchQuery != ""){
            $stm->bindParam(":search", $searchQuery);
        }

        if(isset($_GET["categories"]) and $_GET["categories"] != null){
            $categories = $_GET["categories"];

            $stm->bindParam(":category0", $categories[0]);
            for($i = 1; $i < count($categories); $i++){
                $stm->bindParam(":category$i", $categories[$i]);
            }
        }

        if(isset($_GET["languages"]) and $_GET["languages"] != null){
            $languages = $_GET["languages"];

            $stm->bindParam(":language0", $languages[0]);
            for($i = 1; $i < count($languages); $i++){
                $stm->bindParam(":language$i", $languages[$i]);
            }
        }

        if(isset($_GET["authors"]) and $_GET["authors"] != null){
            $authors = $_GET["authors"];

            $stm->bindParam(":author0", $authors[0]);
            for($i = 1; $i < count($authors); $i++){
                $stm->bindParam(":author$i", $authors[$i]);
            }
        }

        if(isset($_GET["publishers"]) and $_GET["publishers"] != null){
            $publishers = $_GET["publishers"];
```

11

```php
            $stm->bindParam(":publisher0", $publishers[0]);
            for($i = 1; $i < count($publishers); $i++){
                $stm->bindParam(":publisher$i", $publishers[$i]);
            }
        }

        if(isset($_GET["backTypes"]) and $_GET["backTypes"] != null){
            $backTypes = $_GET["backTypes"];

            $stm->bindParam(":backType0", $backTypes[0]);
            for($i = 1; $i < count($backTypes); $i++){
                $stm->bindParam(":backType$i", $backTypes[$i]);
            }
        }
#endregion

        if(!$stm->execute()){
            output_json_message("Internal server error", 500);
            exit;
        }

        if($get_query_count){
            return $stm->fetch()->query_count;
        }
        else{
            return $stm->fetchAll();
        }
    }
?>
```

11

get_cheapest_book.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_cheapest_books($limit){
        global $conn;

        try{
            $query = "SELECT title, num_of_pages, price, discount, (books.price -
(books.price * books.discount/100)) AS total_price FROM books
                        ORDER BY (books.price - (books.price * books.discount/100)) ASC
                        LIMIT ?";
            $conn->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE, PDO::FETCH_ASSOC);
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $limit, PDO::PARAM_INT);

            if(!$stm->execute()){
                return null;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error getting cheapest books. Exception {$e->getMessage()}");
            return null;
        }
    }
?>
```

update_book.php

```php
<?php
    if(session_status() == PHP_SESSION_NONE)
        session_start();

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";

    require_once ROOT."/models/language/add_language.php";
    require_once ROOT."/models/author/add_author.php";
    require_once ROOT."/models/publisher/add_publisher.php";
    require_once ROOT."/models/back-type/add_back_type.php";

    include_once ROOT."/models/log/log.php";

    header("Content-Type: application/json");

    if(!isset($_SESSION["user"]) or $_SESSION["user"]-
>role_id != 1 or !isset($_POST["updateBookBtn"])){
        http_response_code(403);
        echo json_encode(["message" => "Access forbidden."]);
        exit;
    }

#region POST variables
    $id = $_POST["bookId"];

    $title = $_POST["bookTitle"];

    $description = $_POST["bookDescription"];

    $categoryNew = $_POST["bookCategoryNew"];
    $categoryId = $_POST["bookCategory"];

    $languageNew = $_POST["bookLanguageNew"];
    $languageId = $_POST["bookLanguage"];

    $authorNew = $_POST["bookAuthorNew"];
    $authorId = $_POST["bookAuthor"];

    $publisherNew = $_POST["bookPublisherNew"];
    $publisherId = $_POST["bookPublisher"];
```

11

```php
    $publishDate = $_POST["bookPublishDate"];

    $backTypeNew = $_POST["bookBackTypeNew"];
    $backTypeId = $_POST["bookBackType"];

    $numOfPages = $_POST["bookNumOfPages"];

    $criticsRating = $_POST["bookCriticsRating"];

    $price = $_POST["bookPrice"];

    $discount = $_POST["bookDiscount"];
#endregion

#region variable validation
    if($categoryNew != ""){
        $categoryId = add_category($categoryNew);

        if($categoryId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($languageNew != ""){
        $languageId = add_language($languageNew);

        if($languageId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($authorNew != ""){
        $authorId = add_author($authorNew);

        if($authorId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($publisherNew != ""){
        $publisherId = add_publisher($publisherNew);
```

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```php
        if($publisherId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }

    if($backTypeNew != ""){
        $backTypeId = add_back_type($backTypeNew);

        if($backTypeId == 0){
            output_json("Internal server error.", 500);
            exit;
        }
    }
#endregion


    try{
        $query = "UPDATE books
                SET
                    title = ?,
                    description = ?,
                    publish_date = ?,
                    num_of_pages = ?,
                    critics_rating = ?,
                    price = ?,
                    discount = ?,
                    language_id = ?,
                    back_type_id = ?,
                    author_id = ?,
                    publisher_id = ?,
                    category_id = ?
                WHERE id=?";
        $stm = $conn->prepare($query);
        $stm->bindParam(1, $title);
        $stm->bindParam(2, $description);
        $stm->bindParam(3, $publishDate);
        $stm->bindParam(4, $numOfPages);
        $stm->bindParam(5, $criticsRating);
        $stm->bindParam(6, $price);
        $stm->bindParam(7, $discount);
        $stm->bindParam(8, $languageId);
        $stm->bindParam(9, $backTypeId);
        $stm->bindParam(10, $authorId);
```

11

```php
        $stm->bindParam(11, $publisherId);
        $stm->bindParam(12, $categoryId);
        $stm->bindParam(13, $id);

        if(!$stm->execute()){
            output_json("Internal server error.", 500);
            exit;
        }
#endregion

        output_json("Book updated successfuly.", 200);
        exit;
    }
    catch(Exception $e){
        output_json("Internal server error.", 500);

        log_error("Error updating book. Exception {$e->getMessage()}");
        exit;
    }



    function output_json($message, $status_code){
        http_response_code($status_code);
        echo json_encode(["message" => $message]);
    }
?>
```

category

add_category.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function add_category($name){
        global $conn;

        try{
            $query = "INSERT INTO categories
            VALUES(NULL, ?)";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $name);

            if(!$stm->execute()){
                return 0;
            }

            $id = $conn->lastInsertId();
            return $id;
        }
        catch(Exception $e){
            log_error("Error adding category. Exception {$e->getMessage()}");
            return 0;
        }

    }
?>
```

get_all.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_all_categories(){
        global $conn;

        try{
            $query = "SELECT * FROM categories";
            $stm = $conn->prepare($query);

            if(!$stm->execute()){
                return 0;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching categories. Exception: {$e->getMessage()}");
            return null;
        }

    }
?>
```

get_rand_categories.php

```php
<?php

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_rand_categories($limit){
        try{
            global $conn;

            $query = "SELECT * FROM categories ORDER BY rand() LIMIT :limit";
            $stm = $conn->prepare($query);
            $stm->bindParam(":limit", $limit, PDO::PARAM_INT);

            if(!$stm->execute()){
                return null;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            echo $e->getMessage();

            log_error("Error getting random categories. Exception: {$e->getMessage()}");
            return null;
        }
    }

?>
```

image

add_image.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function add_image($book_id, $href, $lod_level){
        global $conn;

        try{
            $query = "INSERT INTO book_images(book_id, href, lod_level)
            VALUES(?, ?, ?)";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $book_id);
            $stm->bindParam(2, $href);
            $stm->bindParam(3, $lod_level);

            if(!$stm->execute()){
                return 0;
            }

            $id = $conn->lastInsertId();
            return $id;

        }
        catch(Exception $e){
            log_error("Error adding image. Exception {$e->getMessage()}");
            return 0;
        }
    }
?>
```

functions.php

```php
<?php

    function get_extension_from_mime($mime_type){
        if($mime_type == "image/jpeg")
            return "jpg";

        return explode("/", $mime_type)[1];
    }

    function image_by_extension($path, $extension){
        switch($extension){
            case "jpg":
                return imagecreatefromjpeg($path);
                break;
            case "png":
                return imagecreatefrompng($path);
                break;
            default:
                return null;
                break;
        }
    }

    function image_save_by_extension($image, $path, $extension){
        switch($extension){
            case "jpg":
                imagejpeg($image, $path);
                break;
            case "png":
                imagepng($image, $path);
                break;
            default:
                return false;
                break;
        }
        return true;
    }
?>
```

12

get_images_by_book.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_images_by_book($book_id){
        global $conn;

        try{
            $query = "SELECT * FROM book_images WHERE book_id=?";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $book_id);

            if(!$stm->execute()){
                return null;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching book images. Exception {$e->getMessage()}");
            return null;
        }
    }
?>
```

move_books_to_tmp.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    function move_to_books_tmp($tmp_file_name, $extension){
        $time = round(microtime(true) * 1000);
        $tmp_path = ROOT."/assets/images/books/tmp/".$time.".".$extension";

        move_uploaded_file($tmp_file_name, $tmp_path);

        return $tmp_path;
    }
?>
```

12

resize_image.php

```php
<?php
    define("IMAGE_SIZE_BIG", 1);
    define("IMAGE_SIZE_MEDIUM", 2);
    define("IMAGE_SIZE_SMALL", 3);

    define("IMAGE_BIG_WIDTH", 450);
    define("IMAGE_MEDIUM_WIDTH", 250);
    define("IMAGE_SMALL_WIDTH", 80);

    function resize_image($image, $new_size){
        $width = imagesx($image);
        $height = imagesy($image);

        $newWidth = 0;
        $newHeight = 0;

        switch($new_size){
            case IMAGE_SIZE_BIG:
                $newWidth = IMAGE_BIG_WIDTH;
                $newHeight =  intval(($newWidth * $height) / $width);
                break;
            case IMAGE_SIZE_MEDIUM:
                $newWidth = IMAGE_MEDIUM_WIDTH;
                $newHeight =  intval(($newWidth * $height) / $width);
                break;
            case IMAGE_SIZE_SMALL:
                $newWidth = IMAGE_SMALL_WIDTH;
                $newHeight =  intval(($newWidth * $height) / $width);
                break;
            default:
                return $image;
                break;
        }

        $newImage = imagecreatetruecolor($newWidth, $newHeight);

        imagecopyresampled($newImage, $image, 0, 0, 0, 0, $newWidth, $newHeight, $width,
$height);

        return $newImage;
    }
?>
```

12

language

add_language.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";

    include_once ROOT."/models/log/log.php";

    function add_language($name){
        global $conn;

        try{
            $query = "INSERT INTO languages
            VALUES(NULL, ?)";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $name);

            if(!$stm->execute()){
                return 0;
            }

            $id = $conn->lastInsertId();
            return $id;
        }
        catch(Exception $e){
            log_error("Error adding language. Exception: {$e->getMessage()}");
            return 0;
        }

    }
?>
```

get_all.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";

    include_once ROOT."/models/log/log.php";

    function get_all_languages(){
        global $conn;

        try{
            $query = "SELECT * FROM languages";
            $stm = $conn->prepare($query);

            if(!$stm->execute()){
                return 0;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching languages. Exception: {$e->getMessage()}");
            return null;
        }

    }
?>
```

log

get_log_all.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/config.php";

    function get_log_all(){
        $log = file(LOG_FILE);

        return $log;
    }
?>
```

get_page_access_last_24h.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/config.php";
    require_once ROOT."/models/pages.php";

    function get_page_access_last_24h(){
        $log = file(LOG_FILE);

        $pages_access_count = [];
        for($i = 0; $i < TOTAL_PAGES_NUMBER; $i++)
            $pages_access_count[get_page_name($i)] = 0;

        $current_time = time();
        foreach($log as $line){
            $splitted_line = explode("\t", trim($line));
            $page_name = str_replace("_"," ", $splitted_line[1]);

            if($page_name == "") continue;

            $date_accessed = strtotime($splitted_line[3]);
            if($current_time - $date_accessed < 86400) // sekundi u danu
                $pages_access_count[$page_name]++;
        }

        return $pages_access_count;
    }
?>
```

13

get_page_access_percentages.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/config.php";
    require_once ROOT."/models/pages.php";
    require_once ROOT."/models/log/log.php";

    function get_page_access_percentages(){
        $log = file(LOG_FILE);
        $total_access_count = count($log);

        $pages_access_count = [];
        for($i = 0; $i < TOTAL_PAGES_NUMBER; $i++)
            $pages_access_count[get_page_name($i)] = 0;


        foreach($log as $line){
            $splitted_line = explode("\t", trim($line));
            $page_name = str_replace("_"," ", $splitted_line[1]);

            if($page_name == "") continue;
            $pages_access_count[$page_name]++;
        }

        foreach($pages_access_count as $key => $value){
            if($value != 0)
                $percentage = round(($value / $total_access_count), 2) * 100;
            else
                $percentage = 0;

            $pages_access_count[$key] = $percentage;
        }

        return $pages_access_count;
    }
?>
```

13

log.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/config.php";

    function log_cyber_book($message, $file_path = LOG_FILE){
        $file = fopen($file_path, 'a');
        if($file){
            fwrite($file, $message);
            fclose($file);
            return true;
        }
        return false;
    }

    function log_error($err_message){
        $date = date("Y-m-d H:i:s");
        log_cyber_book("$date\t$err_message\n", LOG_FILE_ERROR);
    }
?>
```

13

mailer

send_mail.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/config.php";

    require_once ROOT."/dependencies/composer/vendor/autoload.php";

    include_once ROOT."/models/log/log.php";

    use PHPMailer\PHPMailer\PHPMailer;

    function send_mail($to, $subject, $body, &$send_error = ""){
        $mailer = new PHPMailer();

        $mailer->isSMTP();
        $mailer->Host = 'smtp.gmail.com';
        $mailer->SMTPAuth = true;
        $mailer->Username = MAIL_USERNAME;
        $mailer->Password = MAIL_PASSWORD; //Google generated app password
        $mailer->SMTPSecure = 'ssl';
        $mailer->Port = 465;

        $mailer->setFrom('cyber.book123@gmail.com', 'CyberBook');
        $mailer->addReplyTo('cyber.book123@gmail.com', 'CyberBook');
        $mailer->addAddress($to);

        $mailer->Subject = $subject;

        $mailer->isHTML(true);
        $mailer->Body = $body;

        try{
            if($mailer->send())
                return true;
            else{
                $send_error = $mailer->ErrorInfo;
                return false;
            }
        }
        catch(Exception $e){
```

```php
        $send_error = $e->getMessage();

        log_error("Error sending mail. Exception: {$e->getMessage()}");

        return false;
    }
}
?>
```

13

menu

select.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_menu_by_name($name){
        global $conn;

        try{
            $query = "SELECT menu_items.name AS item_name, href FROM menus
            INNER JOIN menu_items ON menus.id = menu_items.menu_id
            WHERE menus.name = ?
            ORDER BY order_index";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $name);
            $stm->execute();

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching menu. Exception: {$e->getMessage()}");
            return null;
        }
    }
?>
```

13

newsletter

register_subscriber.php

```php
<?php
    header("Content-Type: application/json");

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    require_once ROOT."/models/mailer/send_mail.php";
    require_once ROOT."/models/utilities/json_utilities.php";

    include_once ROOT."/models/log/log.php";

    if(!isset($_POST["registerSubscriberBtn"])){
        output_json_message("Access forbidden.", 403);
        exit;
    }

    $email = $_POST["email"];

    if(!preg_match("/^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-z]{2,})+$/", $email)){
        output_json_message("Server message: Email must contain only lowercase letters and numbers and dots(.)", 406); // 406 - Not acceptable
        exit;
    }

    if(checkIfSubscriberExists($email)){
        output_json_message("You have already subscribed for newsletter.", 409); // 409 - Conflict
        exit;
    }

    try{
        $query = "INSERT INTO newsletter_subscribers
                    VALUES(NULL, ?)";
        $stm = $conn->prepare($query);
        $stm->bindParam(1, $email);

        if(!$stm->execute()){
            output_json_message("Internal server error", 500);
            exit;
```

13

```php
        }

        $mail_body = "<h4>Thank you for subscribing to our newsletter.</h4>";
        send_mail($email, "CyberBook - Newsletter subscription", $mail_body);

        output_json_message("You have subscribed successfuly", 200);
        exit;
    }
    catch(Exception $e){
        output_json_message("Internal server error", 500);

        log_error("Error registering subscriber. Exception: {$e->getMessage()}");
        exit;
    }

    function checkIfSubscriberExists($email){
        global $conn;

        try{
            $query = "SELECT * FROM newsletter_subscribers
                        WHERE email=?";
            $stm = $conn->prepare($query);
            $stm->bindParam(1,$email);

            if(!$stm->execute()){
                return false;
            }

            return $stm->rowCount() > 0;

        }
        catch(Exception $e){
            return false;
        }
    }
?>
```

online_tracker

get_online_users.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_online_users(){
        global $conn;

        try{
            $query = "SELECT COUNT(*) as online_users FROM users WHERE TIMESTAMPDIFF(MINU
TE, last_activity, CURRENT_TIMESTAMP) < 5 AND is_online=1";
            $stm = $conn->prepare($query);

            if(!$stm->execute()){
                return -1;
            }

            return $stm->fetch()->online_users;
        }
        catch(Exception $e){
            log_error("Error fetching online user count. Exception: {$e->getMessage()}");
            return -1;
        }
    }
?>
```

13

set_user_online_status.php

```php
<?php

    if(!defined("ROOT"))
        define("ROOT",$_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function set_user_online_status($id, $is_online){
        global $conn;

        try{
            $query = "UPDATE users
                    SET is_online=?
                    WHERE id=?";
            $stm = $conn->prepare($query);
            $stm->bindParam(1,$is_online, PDO::PARAM_INT);
            $stm->bindParam(2,$id, PDO::PARAM_INT);

            if(!$stm->execute()){
                return false;
            }

            return true;
        }
        catch(Exception $e){
            log_error("Error updating user online status. Exception: {$e-
>getMessage()}");
            return false;
        }
    }
?>
```

13

update_user_online_activity.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function update_user_activity($id){
        global $conn;

        try{
            $current_time = date("Y-m-d H:i:s");

            $query = "UPDATE users
                    SET last_activity=?
                    WHERE id=?";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $current_time);
            $stm->bindParam(2, $id);

            if(!$stm->execute()){
                return false;
            }

            return true;
        }
        catch(Exception $e){
            log_error("Error updating user activity. Exception {$e->getMessage()}");
            return false;
        }
    }
?>
```

14

public

author_info_word.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    header("Content-type: application/vnd.ms-word");
    header("Content-Disposition: attachment;Filename=Andrej-Zarkovski-info.doc");

    $word = new COM("word.application") or die("Error starting word.");

    $word->Visible=0;
    $word->Documents->Add();

    $body = "My name is Andrej Zarkovski. I'm studying web programming at 'Visoka ICT Ško
la' in Belgrade. In my early childhood I was very interested in how computers work and I
continued to learn more about them. Now I am pursuing career in computer programming. I l
ove japanese culture and I love playing video games.

    Portfolio: zarke998.github.io/web-portfolio

    GitHub: github.com/zarke998

    LinkedIn: linkedin.com/in/andrej-zarkovski-01b8a4188";
    $word->Selection->TypeText($body);

    $word_path = ROOT."/data/author-info.doc";
    $word->Documents[1]->SaveAs($word_path);

    $word->Quit();
    $word = null;

    readfile($word_path);
    unlink($word_path);
?>
```

14

books_cheapest_excel_export.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/book/get_cheapest_books.php";

    header("Content-type: application/vnd.ms-excel");
    header("Content-Disposition: attachment;filename=cheapest-books.xls");

    $excel_app = new COM("excel.application") or die("Error starting excel.");

    $excel_app->Visible = 0;

    $workbook = $excel_app->Workbooks->Add();
    $sheet = $workbook->Worksheets("Sheet1");

    $title_field = $sheet->Range("A1");
    $title_field->activate;
    $title_field->Value = "Title";

    $pages_field = $sheet->Range("B1");
    $pages_field->activate;
    $pages_field->Value = "Pages num.";

    $price_field = $sheet->Range("C1");
    $price_field->activate;
    $price_field->Value = "Price";

    $discount_field = $sheet->Range("D1");
    $discount_field->activate;
    $discount_field->Value = "Discount";

    $total_price_field = $sheet->Range("E1");
    $total_price_field->activate;
    $total_price_field->Value = "Total price";

    $cheapest_books = get_cheapest_books(15);


    for($i = 2; $i < count($cheapest_books) + 2; $i++){
        $c = 'A';
        for($j = 0; $j < 5; $j++){
            $indexed_array = array_values($cheapest_books[$i - 2]);
```

14

```php
                $column = $j + 1;
                $cell = $c.$column;

                $field = $sheet->Range($cell);
                $field->activate;
                $field->Value = $indexed_array[$j];

                $c++;
            }
        }

    $excel_doc_path = ROOT."/data/cheapest_books.xls";
    $workbook->SaveAs($excel_doc_path, -4143);

    //Cleanup
    $workbook->Save();
    $workbook->Saved = true;
    $workbook->Close();

    unserialize($sheet);
    unset($workbook);

    $excel_app->Workbooks->Close();
    $excel_app->Quit();

    unset($excel_app);

    readfile($excel_doc_path);
    unlink($excel_doc_path);

?>
```

14

resend_activation_link.php

```php
<?php
    header("Content-Type: application/json");

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/config.php";
    require_once ROOT."/models/pages.php";
    require_once ROOT."/config/connection.php";
    require_once ROOT."/models/mailer/send_mail.php";
    require_once ROOT."/models/user/select.php";

    include_once ROOT."/models/log/log.php";


    if(!isset($_POST["email"])){
        http_response_code(400);
        echo json_encode(["message" => "Incomplete input data."]);
        exit;
    }

    $email = $_POST["email"];
    if(!preg_match("/^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-
z]{2,})+$/", $email)){
        http_response_code(422); // 422 - Unprocessable entity

        header("Content-Type: application/json");
        echo json_encode(["message" => "Server message: Email must contain only lowercase
 letters and numbers and dots(.)"]);
        exit;
    }

    try{
        $user = get_user_by_email($email);
        if($user == null){
            http_response_code(400);
            echo json_encode(["message" => "You have not registered yet."]);
            exit;
        }

        $emailSlashed = addslashes($email);
        $activation_key = bin2hex(random_bytes(16));
```

14

```php
        $query = "UPDATE users
                    SET activation_key = :activation_key
                    WHERE id=:id AND is_confirmed = 0";
        $stm = $conn->prepare($query);
        $stm->bindParam(":id",$user->id);
        $stm->bindParam(":activation_key",$activation_key);
        $stm->execute();

        if($stm->rowCount() > 0){
            $regiserPage = Pages::Register;
            $mailBody = '<h2>Please activate your account by clicking on the link below.<
/h2>
                        <p>Click here: <a href="'.BASE_URL.'/index.php?page='.$regiserPag
e.'&uid='.$user->id.'&activation_key='.$activation_key.'"> activation link.</a>';
            $send_error = "";
            if(send_mail($email, "CyberBook -
 Activation key (resend)", $mailBody, $send_error)){
                http_response_code(200);
                echo json_encode(["message" => "Activation link sent."]);
                exit;
            }
            else{
                http_response_code(500);
                echo json_encode(["message" => "SERVER ERROR: Error sending mail."]);
                exit;
            }
        }
        else{
            http_response_code(200);
            echo json_encode(["message" => "You have already registered."]);
            exit;
        }
    }
    catch(Exception $e){
        http_response_code(500);
        echo json_encode(["message" => "Internal server error."]);

        log_error("Error resending activation link. Exception: {$e->getMessage()}");
        exit;
    }


?>
```

14

send_contact_form.php

```php
<?php
    header("Content-Type: application/json");

    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/models/mailer/send_mail.php";
    require_once ROOT."/models/utilities/json_utilities.php";
    include_once ROOT."/models/log/log.php";


    if(!isset($_POST["contactBtn"])){
        http_response_code(403);
        echo json_encode(["message" => "Access forbidden."]);
        exit;
    }

    $message = $_POST["message"];
    $name = $_POST["name"];
    $email = $_POST["email"];
    $subject = $_POST["subject"];

    if(strlen($message) < 20 || strlen($message) >  100){
        output_json_message("Server message: Message must be at least 20 chars long, and
shorter than 100 characters.", 406); // 406 - Not acceptable
        exit;
    }

    if(!preg_match("/^[A-Z][a-z]{2,}$/", $name)){
        output_json_message("Name must start with an uppercase letter and follow with low
ercase letters.", 406); // 406 - Not acceptable
        exit;
    }

    if(!preg_match("/^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-
z]{2,})+$/", $email)){
        output_json_message("Server message: Email must contain only lowercase letters an
d numbers and dots(.)", 406); // 406 - Not acceptable
        exit;
    }

    if(!preg_match("/^[A-Z]/", $subject)){
```

14

```php
        output_json_message("Subject must start with an uppercase letter.", 406); // 406
- Not acceptable
        exit;
    }

    try{
        if(send_mail("cyber.book123@gmail.com","$name -
$subject", $message . " Sender mail: $email")){
            output_json_message("Message sent successfuly.", 200);
            exit;
        }
        else{
            output_json_message("Error sending message.", 500);
            exit;
        }
    }
    catch(Exception $e){
        output_json_message("Internal server error.", 500);

        log_error("Error sending contact form data. Exception: {$e->getMessage()}");
        exit;
    }


?>
```

14

publisher

add_publisher.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function add_publisher($name){
        global $conn;

        try{
            $query = "INSERT INTO publishers
            VALUES(NULL, ?)";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $name);

            if(!$stm->execute()){
                return 0;
            }

            $id = $conn->lastInsertId();
            return $id;

        }
        catch(Exception $e){
            log_error("Error adding publisher. Exception {$e->getMessage()}");
            return 0;
        }

    }
?>
```

14

get_all.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_all_publishers(){
        global $conn;

        try{
            $query = "SELECT * FROM publishers";
            $stm = $conn->prepare($query);

            if(!$stm->execute()){
                return 0;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching publishers. Exception {$e->getMessage()}");
            return null;
        }

    }
?>
```

14

sort

get_criterias_by_area.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";
    include_once ROOT."/models/log/log.php";

    function get_criterias_by_area($area_name){
        global $conn;

        try{
            $query = "SELECT sort_criterias.id AS sort_id, sort_criterias.name AS sort_na
me, query FROM sort_criterias
                        INNER JOIN sort_area_items ON sort_area_items.item_id = sort_crit
erias.id
                        INNER JOIN sort_area ON sort_area.id = sort_area_items.area_id
                        WHERE sort_area.name = ?";
            $stm = $conn->prepare($query);
            $stm->bindParam(1, $area_name);

            if(!$stm->execute()){
                return null;
            }

            return $stm->fetchAll();
        }
        catch(Exception $e){
            log_error("Error fetching criterias by area. Exception: {$e->getMessage()}");
            return null;
        }

    }
?>
```

15

user

select.php

```php
<?php
    if(!defined("ROOT"))
        define("ROOT", $_SERVER["DOCUMENT_ROOT"]);

    require_once ROOT."/config/connection.php";

    function get_user_by_email($email){
        global $conn;

        $emailSlashed = addslashes($email);

        $query = "SELECT * FROM users WHERE email=?";
        $stm = $conn->prepare($query);
        $stm->bindParam(1, $emailSlashed);
        $stm->execute();

        $user = $stm->fetch();
        if(!$user){
            return null;
        }
        return $user;
    }
?>
```

15

utilities

json_utilities.php

```php
<?php
    function output_json_message($message, $status_code){
        http_response_code($status_code);
        echo json_encode(["message" => $message]);
    }
?>
```

15

shuffled_number_array.php

```php
<?php

    function generate_shuffled_number_array($size){
        $array = [];

        $shuffled_array = [];

        for($i = 0; $i < $size; $i++)
            $array[] = $i;

        for($i = 0; $i < $size; $i++){
            $rand_num = rand(0, $size-1);

            while(in_array($rand_num, $shuffled_array)){
                $rand_num = rand(0, $size-1);
            }

            $shuffled_array[] = $rand_num;
        }

        return $shuffled_array;
    }
?>
```

JavaScript

main.js

```javascript
$(document).ready(function(){
    disableEmptyLinks();
    updateCartIndicator();
});

function updateCartIndicator(){
    let cart = JSON.parse(localStorage.getItem("cart"));
    if(!cart){
        cart = [];
    }

    $("#shopping-cart span").text(cart.length);
}
function disableEmptyLinks(){
    $("a[href='#']").click(function(e){
        e.preventDefault();
    });
}
```

home.js

```javascript
$(document).ready(function(){

    loadMostRecentTitles();

    $("#newsletterBtn").click(registerSubscriber);

    loadBestByCriticsTitles();

});

//Most recent titles
function loadMostRecentTitles(){
    $.ajax({
        url: "models/book/get_books_by_criteria.php",
        method: "GET",
        dataType: "json",
        data: {
            sortCrit: 3,
            sortArea: "home_most_recent_titles",
            limit: 8,
            offset: 0,
            getBooksByCriteria: true
        },
        success: function(data){
            populateMostRecentTitles(data.query_result);
            $(".product-img i").click(addBookToCart);

            disableEmptyLinks();
        },
        error: function(xhr, errType, errMsg){
            var data = JSON.parse(xhr.responseText);

            alert(data.message);
        }
    });
}
function populateMostRecentTitles(books){
    let $container = $("#most-recent-titles");

    let content = ``;

    books.forEach(b => {
        content += `
```

15

```
            <div class="col-xl-3 col-lg-4 col-md-6 most-recent-titles-item">
                <div class="single-product mb-60">
                    <div class="product-img">
                        <a href="#"><img src="${b.cover_url}" alt="Book cover"></a>
                        <i class="fas fa-plus-circle" data-id="${b.bookId}"></i>
                    </div>
                    <div class="product-caption">
                        <h4><span>${b.title}</span></h4>
                        <div class="price">
                            <ul>
                                ${getBookPricesTags(b)}
                            </ul>
                        </div>
                    </div>
                </div>
            </div>`;
    });

    $container.html(content);
}
function getBookPricesTags(book){
    let tags = ``;
    if(book.discount == 0){
        tags+= `<li>$${book.price}</li>`;
    }
    else{
        var discounted = book.price - book.price * (book.discount / 100);
        discounted = floatTo2Decimals(discounted);

        tags+= `<li>$${discounted}</li>
                <li class="discount">$${book.price}</li>`;
    }

    return tags;
}

// Newsletter
function registerSubscriber(e){
    e.preventDefault();

    let $email = $("#newsletterEmail");
    let emailReg = /^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-z]{2,})+$/;

    if(!emailReg.test($email.val())){
```

15

```javascript
            alert("Invalid email format. Email must start with a letter and contain only lett
ers and numbers.");
            return;
        }

        $.ajax({
            url: "models/newsletter/register_subscriber.php",
            method: "POST",
            dataType: "json",
            data: {
                email: $email.val(),
                registerSubscriberBtn: true
            },
            success: function(data){
                alert(data.message);
                $("#newsletterEmail").val("");
            },
            error: function(xhr, errType, errMsg){
                var data = JSON.parse(xhr.responseText);
                alert(data.message);

                $("#newsletterEmail").val("");
            }
        });
    }

    //Best by critics
    function loadBestByCriticsTitles(){
        $.ajax({
            url: "models/book/get_books_by_criteria.php",
            method: "GET",
            dataType: "json",
            data: {
                sortCrit: 7,
                sortArea: "shop_sort",
                limit: 6,
                offset: 0,
                getBooksByCriteria: true
            },
            success: function(data){
                populateBestByCriticsTitles(data.query_result);
                $(".best-by-critics-image i").click(addBookToCart);

                disableEmptyLinks();
            },
```

15

```javascript
            error: function(xhr, errType, errMsg){
                var data = JSON.parse(xhr.responseText);

                alert(data.message);
            }
        });
    }
    function populateBestByCriticsTitles(books){
        let $container = $("#bestByCriticsContainer");

        let content = ``;

        books.forEach(b => {
            content+= `
            <div class="col-lg-2 col-md-4 col-sm-6 px-sm-5 px-lg-3 px-xl-4 px-5 mb-4 best-by-
    critics-item single-product text-center">
                <div class="best-by-critics-image">
                    <a href="#"><img src="${b.cover_url}" alt="Book cover"></a>
                    <i class="fas fa-plus-circle" data-id="${b.bookId}"></i>
                </div>
                <div class="product-caption">
                    <h4><span>${b.title}</span></h4>
                    <div class="price">
                        <ul class="d-flex justify-content-center">
                            ${getBookPricesTags(b)}
                        </ul>
                    </div>
                </div>
            </div>`;
        });

        $container.html(content);
    }

    // Cart
    function addBookToCart(){
        let id = $(this).data("id");

        if(!localStorage){
            alert("Your browser doesnt't support local storage. Cannot add product to cart.")
    ;
            return;
        }

        let cart = [];
```

15

```javascript
    if(localStorage.getItem("cart") != null)
        cart = JSON.parse(localStorage.getItem("cart"));

    cart.push(id);

    localStorage.setItem("cart", JSON.stringify(cart));

    cartCount = cart.length;
    alert("Book added to cart.");

    updateCartIndicator();
}

function floatTo2Decimals(real){
    return Math.trunc(real*100)/100;
}
```

shop.js

```javascript
var shopListLimit = 8;

var searchFilter = "";

var categoryIds = null;
var languageIds = null;
var authorIds = null;
var publisherIds = null;
var backTypeIds = null;
var sortCriteriaId = 0;

var offsetValue = 0;

var pagesNumber;
var currentPage = 1;

$(document).ready(function(){
    loadBooks(searchFilter, categoryIds, languageIds, authorIds, publisherIds, backTypeId
s, sortCriteriaId, shopListLimit, offsetValue);

    $(".shop-filters input[type=checkbox]").change(filterBooks);

    $("#sort-select").change(sortBooks);
});

function loadBooks(searchFilter, categoryIds, languageIds, authorIds, publisherIds, backT
ypeIds, sortCriteriaId,  limitValue, offsetValue){

    $.ajax({
        url: "models/book/get_books_by_criteria.php",
        method: "GET",
        dataType: "json",
        data: {
            search: searchFilter,
            categories: categoryIds,
            languages: languageIds,
            authors: authorIds,
            publishers: publisherIds,
            backTypes: backTypeIds,
            sortCrit: sortCriteriaId,
            sortArea: "shop_sort",
            limit: limitValue,
            offset: offsetValue,
```

16

```javascript
                getBooksByCriteria: true
            },
            success: function(data){
                populateShopList(data.query_result);
                $(".best-by-critics-image i").click(addBookToCart);
                disableEmptyLinks();

                initializePagination(data.query_count);
                $(".page-link").off("click", loadPageIndex);
                $(".page-link").on("click", loadPageIndex);

                updatePaginationHighlight(currentPage);
            },
            error: function(xhr,errType,errMsg){
                var errJson = JSON.parse(xhr.responseText);
                alert(errJson.message);
            }
        });
}

function initializePagination(totalBooksFiltered){
    let $container = $(".pagination-pages");

    let content = "";

    pagesNumber = Math.ceil(totalBooksFiltered / shopListLimit);

    content += `<li class="page-item active"><a class="page-link" href="#">1</a></li>`
    for(let i = 1; i < pagesNumber; i++){
        content += `<li class="page-item"><a class="page-
link" href="#">${i + 1}</a></li>`;
    }

    $container.html(content);

}
function populateShopList(books){
    let $container = $("#shop-container");

    let content = "";

    books.forEach(b => {
        content += `
        <div class="single-product-wrapper col-xl-3 col-lg-4 col-sm-6 col-12 px-4 px-sm-
5">
```

16

```
            <div class="single-product mb-60">
                <div class="product-img best-by-critics-image">
                    <a href="#"><img src="${b.cover_url}" alt="Book cover"></a>
                    <i class="fas fa-plus-circle" data-id="${b.bookId}"></i>
                </div>
                <div class="product-caption">
                    <div class="product-ratting">
                        <!-- <i class="far fa-star"></i>
                        <i class="far fa-star"></i>
                        <i class="far fa-star"></i>
                        <i class="far fa-star low-star"></i>
                        <i class="far fa-star low-star"></i> -->
                    </div>
                    <h4><span>${b.title}<span></h4>
                    <div class="price">
                        <ul>
                            ${getPricesTags(b)}
                        </ul>
                    </div>
                </div>
            </div>
        </div>`;
    });


    $container.html(content);


    function getPricesTags(book){
        let tags = ``;


        if(book.discount == 0){
            tags+= `<li>$${book.price}</li>`;
        }
        else{
            var discounted = book.price - book.price * (book.discount / 100);
            discounted = floatTo2Decimals(discounted);


            tags+= `<li>$${discounted}</li>
                    <li class="discount">$${book.price}</li>`;
        }


        return tags;
    }
}


// Pagination click
```

16

```javascript
function loadPageIndex(e){
    e.preventDefault();

    let nextPageIndex;

    if($(this).hasClass("page-link-arrow")){
        let increment = parseInt($(this).data("increment"));

        nextPageIndex = currentPage + increment;

        if(nextPageIndex < 1 || nextPageIndex > pagesNumber){
            return;
        }
    }
    else{
        nextPageIndex = parseInt($(this).text());
    }

    offsetValue = (nextPageIndex - 1) * shopListLimit;

    loadBooks(searchFilter, categoryIds, languageIds, authorIds, publisherIds, backTypeId
s, sortCriteriaId, shopListLimit, offsetValue);

    currentPage = nextPageIndex;
}
function updatePaginationHighlight(page){
    $(".page-item").removeClass("active");

    $(`.page-link:contains(${page})`).parent().addClass("active");
}

function filterBooks(){
    let categories = $("input[name='shop-categories[]']:checked").map(function() {
        return $(this).val();
    }).get();

    let languages = $("input[name='shop-languages[]']:checked").map(function() {
        return $(this).val();
    }).get();

    let authors = $("input[name='shop-authors[]']:checked").map(function() {
        return $(this).val();
    }).get();

    let publishers = $("input[name='shop-publishers[]']:checked").map(function() {
```

16

```javascript
        return $(this).val();
    }).get();

    let backTypes = $("input[name='shop-back-types[]']:checked").map(function() {
        return $(this).val();
    }).get();

    if(categories.length == 0)
        categories = null;

    if(languages.length == 0)
        languages = null;

    if(authors.length == 0)
        authors = null;

    if(publishers.length == 0)
        publishers = null;

    if(backTypes.length == 0)
        backTypes = null;

    offsetValue = 0;
    currentPage = 1;
    loadBooks(searchFilter, categories, languages, authors, publishers, backTypes, sortCr
iteriaId, shopListLimit, offsetValue);


    categoryIds = categories;
    languageIds = languages;
    authorIds = authors;
    publisherIds = publishers;
    backTypeIds = backTypes;
}
function sortBooks(){
    sortCriteriaId = $(this).val();

    currentPage = 1;
    offsetValue = 0;
    loadBooks(searchFilter, categoryIds, languageIds, authorIds, publisherIds, backTypeId
s, sortCriteriaId, shopListLimit, offsetValue);
}

function addBookToCart(){
    let id = $(this).data("id");
```

16

```javascript
    if(!localStorage){
        alert("Your browser doesnt't support local storage. Cannot add product to cart.")
;

        return;
    }

    let cart = [];
    if(localStorage.getItem("cart") != null)
        cart = JSON.parse(localStorage.getItem("cart"));

    cart.push(id);

    localStorage.setItem("cart", JSON.stringify(cart));

    cartCount = cart.length;
    alert("Book added to cart.");

    updateCartIndicator();
}

function floatTo2Decimals(real){
    return Math.trunc(real*100)/100;
}
```

contact.js

```javascript
$(document).ready(function (){
    $("#contactBtn").click(sendContactForm);
});

function sendContactForm(){

    let $message = $("textarea[name='contactMessage']");
    let $email = $("input[name='contactEmail']");
    let $name = $("input[name='contactName']");
    let $subject = $("input[name='contactSubject']");


    let nameReg = /^[A-Z][a-z]{2,}$/;
    let subjectReg = /^[A-Z]/;
    let emailReg = /^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-z]{2,})+$/;

    if($message.val().length < 20 || $message.val().length > 100){
        alert("Message must be at least 20 chars long, and shorter than 100 characters.")
;
        return;
    }

    if(!nameReg.test($name.val())){
        alert("Name must start with an uppercase letter and follow with lowercase letters
.")
        return;
    }

    if(!emailReg.test($email.val())){
        alert("Invalid email format. Email must start with a letter and contain only lett
ers and numbers.");
        return;
    }

    if(!subjectReg.test($subject.val())){
        alert("Subject must start with an uppercase letter.");
        return;
    }

    $.ajax({
        url: "models/public/send_contact_form.php",
        method: "POST",
        dataType: "json",
```

16

```
        data: {
            message: $message.val(),
            name: $name.val(),
            email: $email.val(),
            subject: $subject.val(),
            contactBtn: true
        },
        success: function(data){
            alert("Message sent successfuly.");
            location.reload();
        },
        error: function(xhr,errType,errMsg){
            var errJson = JSON.parse(xhr.responseText);
            alert(errJson.message);
        }
    });
}
```

cart.js

```javascript
var subtotal = 0;

$(document).ready(function(){
    $("#cart-info").hide();
    $("#clear-cart-btn").click(clearCart);
    updateCartIndicator();

    loadCartTable();
});

function loadCartTable(){

    if(!localStorage){
        alert("Your browser doesnt't support local storage.");
        return;
    }

    if(localStorage.getItem("cart") == null){
        $("#cart-info").show();
    }
    let cart = JSON.parse(localStorage.getItem("cart"));

    cart.forEach(bookId => {
        $.ajax({
            url: "models/book/get_book.php",
            method: "GET",
            dataType: "json",
            data: {
                id: bookId,
                lod_level: 2
            },
            success: function(book){
                addBookToTable(book);
                subtotal+= parseFloat((book.price -
 book.price * book.discount/100).toFixed(2));
                updateSubtotalTag(subtotal);
            },
            error: function(xhr, errType, errMsg){

            }
        })
    });
}
```

16

```javascript
function addBookToTable(book){
    let $container = $("#cart-subtotal");

    let bookLayout = `
    <tr class="cart-item">
        <td>
            <div class="media">
                <div class="d-flex cart-book-image">
                    <img src="${book.cover_url}" alt="Book cover" />
                </div>
                <div class="media-body">
                    <p>${book.title}</p>
                </div>
            </div>
        </td>
        <td>
            <h5>$${book.price}</h5>
        </td>
        <td>
            <div class="product_count">
                <h5 class="text-center">${book.discount}%</h5>
            </div>
        </td>
        <td>
            <h5>$${book.price - book.price * book.discount/100}</h5>
        </td>
    </tr>`;

    $container.before(bookLayout);
}

function updateSubtotalTag(subtotal){
    $("#cart-subtotal-price").text(`$${subtotal}`);
}

function clearCart(){
    if(!localStorage || localStorage.getItem("cart") == null) return;

    localStorage.removeItem("cart");
    location.reload();
}
```

16

admin-content.js

```javascript
$(document).ready(function(){
    //Book add
    $(".book-prop-add i").click(togglePropertyInputType);
    $("#admin-add-book-btn").click(addBook);

    //Book update
    $("select[name='bookId']").change(getBook);
    $("#admin-update-book-btn").click(updateBook);

    //Delete book
    $("#admin-delete-book-btn").click(deleteBook);
});

function togglePropertyInputType(){
    var $parent = $(this).parent();

    $parent.find("input").toggle();
    $parent.find("input").val("");

    $parent.find("select").toggle();
}
function addBook(e){
    e.preventDefault();

    var $title = $("input[name='bookTitle']");

    var $description = $("textarea[name='bookDescription']");

    var $categoryNew = $("input[name='bookCategoryNew']");
    var $categoryId = $("select[name='bookCategory']");

    var $languageNew = $("input[name='bookLanguageNew']");
    var $languageId = $("select[name='bookLanguage']");

    var $authorNew = $("input[name='bookAuthorNew']");
    var $authorId = $("select[name='bookAuthor']");

    var $publisherNew = $("input[name='bookPublisherNew']");
    var $publisherId = $("select[name='bookPublisher']");

    var $publishDate = $("input[name='bookPublishDate']");

    var $backTypeNew = $("input[name='bookBackTypeNew']");
```

17

```javascript
    var $backTypeId = $("select[name='bookBackType']");

    var $numOfPages = $("input[name='bookNumOfPages']");

    var $criticsRating = $("input[name='bookCriticsRating']");

    var $price = $("input[name='bookPrice']");

    var $discount = $("input[name='bookDiscount']");

    var $coverImage = $("input[name='bookCoverImage']");

    if($title.val() == "" || $description.val() == "" || $numOfPages.val() == "" || $crit
icsRating.val() == "" || $price.val() == "" || $discount.val() == "" || $publishDate.val(
) == ""){
        alert("Please fill in the empty fields.");
        return;
    }

    if($categoryId.is(":visible") && $categoryId.val() == "0"){
        alert("Please select a category.");
        return;
    }
    else if($categoryNew.is(":visible") && $categoryNew.val() == ""){
        alert("Please fill in a new category.");
        return;
    }

    if($languageId.is(":visible") && $languageId.val() == "0"){
        alert("Please select a language.");
        return;
    }
    else if($languageNew.is(":visible") && $languageNew.val() == ""){
        alert("Please fill in a new language.");
        return;
    }

    if($authorId.is(":visible") && $authorId.val() == "0"){
        alert("Please select an author.");
        return;
    }
    else if($authorNew.is(":visible") && $authorNew.val() == ""){
        alert("Please fill in new author.");
        return;
    }
```

17

```javascript
    if($publisherId.is(":visible") && $publisherId.val() == "0"){
        alert("Please select a publisher.");
        return;
    }
    else if($publisherNew.is(":visible") && $publisherNew.val() == ""){
        alert("Please fill a new publisher.");
        return;
    }

    if($backTypeId.is(":visible") && $backTypeId.val() == "0"){
        alert("Please select a back type.");
        return;
    }
    else if($backTypeNew.is(":visible") && $backTypeNew.val() == ""){
        alert("Please fill in a new back type.");
        return;
    }

    var pagesNum = Number($numOfPages.val());
    if(isNaN(pagesNum) || pagesNum < 1 || countDecimals(pagesNum) > 0){
        alert("Pages number must be a whole positive number.");
        return;
    }

    var criticsRating = Number($criticsRating.val());
    if(isNaN(criticsRating) || criticsRating < 0 || criticsRating > 10 || countDecimals(c
riticsRating) != 1){
        alert("Critics rating must be between 0.0 and 10.0, and must contain 1 decimal.")
;
        return;
    }

    var bookPrice = Number($price.val());
    if(isNaN(bookPrice) || bookPrice <= 0 || countDecimals(bookPrice) > 2){
        alert("Book price can only contain 2 decimals max, and must be greater than 0.");
        return;
    }

    var bookDiscount = Number($discount.val());
    if(isNaN(bookDiscount) || bookDiscount < 0 || bookDiscount > 100 || countDecimals(boo
kDiscount) > 2){
        alert("Book discount can only contain 2 decimals max.");
        return;
    }
```

17

```javascript
    if($coverImage.val() == ""){
        alert("Please select a cover image.");
        return;
    }

    var imageExtensions = ["image/jpeg", "image/png"];
    if(!imageExtensions.includes($coverImage.get(0).files[0].type) || $coverImage.get(0).
files[0].size > 500000){
        alert("Cover image must be png or jpg, and less than 500KB.");
        return;
    }


    var formData = new FormData();

    formData.append("bookTitle", $title.val());

    formData.append("bookDescription", $description.val());

    formData.append("bookCategory", $categoryId.val());
    formData.append("bookCategoryNew", $categoryNew.val());

    formData.append("bookLanguage", $languageId.val());
    formData.append("bookLanguageNew", $languageNew.val());

    formData.append("bookAuthor", $authorId.val());
    formData.append("bookAuthorNew", $authorNew.val());

    formData.append("bookPublisher", $publisherId.val());
    formData.append("bookPublisherNew", $publisherNew.val());

    formData.append("bookPublishDate", $publishDate.val());

    formData.append("bookBackType", $backTypeId.val());
    formData.append("bookBackTypeNew", $backTypeNew.val());

    formData.append("bookNumOfPages", $numOfPages.val());

    formData.append("bookCriticsRating", $criticsRating.val());

    formData.append("bookPrice", $price.val());

    formData.append("bookDiscount", $discount.val());
```

```javascript
        formData.append("bookCoverImage", $coverImage.get(0).files[0]);

        formData.append("addBookBtn", true);

        $.ajax({
            url: "models/book/add_book.php",
            method: "POST",
            dataType: "json",
            contentType: false,
            processData: false,
            data: formData,
            success: function(data){
                alert(data.message);
                location.reload();
            },
            error: function(xhr, errType, errMsg){
                var data = JSON.parse(xhr.responseText);

                alert(data.message);
            }
        });
}
function getBook(){
    var bookId = $("select[name='bookId']").val();

    if(bookId == 0)
        return;

    $.ajax({
        url: "models/book/get_book.php",
        method: "GET",
        dataType: "json",
        data: {
            id: bookId
        },
        success: function(data){
            populateUpdateFields(data);
        },
        error: function(xhr, errType, errMsg){
            var data = JSON.parse(xhr.responseText);

            alert(data.message);
        }
    });
}
```

17

```javascript
function populateUpdateFields(book){
    $("input[name='bookTitle']").val(book.title);

    $("textarea[name='bookDescription']").val(book.description);

    $("select[name='bookCategory']").val(book.category_id);

    $("select[name='bookLanguage']").val(book.language_id);

    $("select[name='bookAuthor']").val(book.author_id);

    $("select[name='bookPublisher']").val(book.publisher_id);

    $("input[name='bookPublishDate']").val(book.publish_date);

    $("select[name='bookBackType']").val(book.back_type_id);

    $("input[name='bookNumOfPages']").val(book.num_of_pages);

    $("input[name='bookCriticsRating']").val(book.critics_rating);

    $("input[name='bookPrice']").val(book.price);

    $("input[name='bookDiscount']").val(book.discount);
}
function updateBook(e){
    e.preventDefault();

    var $id = $("select[name='bookId']");

    var $title = $("input[name='bookTitle']");

    var $description = $("textarea[name='bookDescription']");

    var $categoryNew = $("input[name='bookCategoryNew']");
    var $categoryId = $("select[name='bookCategory']");

    var $languageNew = $("input[name='bookLanguageNew']");
    var $languageId = $("select[name='bookLanguage']");

    var $authorNew = $("input[name='bookAuthorNew']");
    var $authorId = $("select[name='bookAuthor']");

    var $publisherNew = $("input[name='bookPublisherNew']");
```

17

```javascript
    var $publisherId = $("select[name='bookPublisher']");

    var $publishDate = $("input[name='bookPublishDate']");

    var $backTypeNew = $("input[name='bookBackTypeNew']");
    var $backTypeId = $("select[name='bookBackType']");

    var $numOfPages = $("input[name='bookNumOfPages']");

    var $criticsRating = $("input[name='bookCriticsRating']");

    var $price = $("input[name='bookPrice']");

    var $discount = $("input[name='bookDiscount']");

    if($id.val() == 0){
        alert("Please select a book to update.");
        return;
    }

    if($title.val() == "" || $description.val() == "" || $numOfPages.val() == "" || $crit
icsRating.val() == "" || $price.val() == "" || $discount.val() == "" || $publishDate.val(
) == ""){
        alert("Please fill in the empty fields.");
        return;
    }

    if($categoryId.is(":visible") && $categoryId.val() == "0"){
        alert("Please select a category.");
        return;
    }
    else if($categoryNew.is(":visible") && $categoryNew.val() == ""){
        alert("Please fill in a new category.");
        return;
    }

    if($languageId.is(":visible") && $languageId.val() == "0"){
        alert("Please select a language.");
        return;
    }
    else if($languageNew.is(":visible") && $languageNew.val() == ""){
        alert("Please fill in a new language.");
        return;
    }
```

17

```javascript
    if($authorId.is(":visible") && $authorId.val() == "0"){
        alert("Please select an author.");
        return;
    }
    else if($authorNew.is(":visible") && $authorNew.val() == ""){
        alert("Please fill in new author.");
        return;
    }

    if($publisherId.is(":visible") && $publisherId.val() == "0"){
        alert("Please select a publisher.");
        return;
    }
    else if($publisherNew.is(":visible") && $publisherNew.val() == ""){
        alert("Please fill a new publisher.");
        return;
    }

    if($backTypeId.is(":visible") && $backTypeId.val() == "0"){
        alert("Please select a back type.");
        return;
    }
    else if($backTypeNew.is(":visible") && $backTypeNew.val() == ""){
        alert("Please fill in a new back type.");
        return;
    }

    var pagesNum = Number($numOfPages.val());
    if(isNaN(pagesNum) || pagesNum < 1 || countDecimals(pagesNum) > 0){
        alert("Pages number must be a whole positive number.");
        return;
    }

    var criticsRating = Number($criticsRating.val());
    if(isNaN(criticsRating) || criticsRating < 0 || criticsRating > 10 || countDecimals(c
riticsRating) != 1){
        alert("Critics rating must be between 0.0 and 10.0, and must contain 1 decimal.")
;
        return;
    }

    var bookPrice = Number($price.val());
    if(isNaN(bookPrice) || bookPrice <= 0 || countDecimals(bookPrice) > 2){
        alert("Book price can only contain 2 decimals max, and must be greater than 0.");
        return;
```

17

```javascript
    }

    var bookDiscount = Number($discount.val());
    if(isNaN(bookDiscount) || bookDiscount < 0 || bookDiscount > 100 || countDecimals(boo
kDiscount) > 2){
        alert("Book discount can only contain 2 decimals max.");
        return;
    }


    var formData = new FormData();

    formData.append("bookId", $id.val());

    formData.append("bookTitle", $title.val());

    formData.append("bookDescription", $description.val());

    formData.append("bookCategory", $categoryId.val());
    formData.append("bookCategoryNew", $categoryNew.val());

    formData.append("bookLanguage", $languageId.val());
    formData.append("bookLanguageNew", $languageNew.val());

    formData.append("bookAuthor", $authorId.val());
    formData.append("bookAuthorNew", $authorNew.val());

    formData.append("bookPublisher", $publisherId.val());
    formData.append("bookPublisherNew", $publisherNew.val());

    formData.append("bookPublishDate", $publishDate.val());

    formData.append("bookBackType", $backTypeId.val());
    formData.append("bookBackTypeNew", $backTypeNew.val());

    formData.append("bookNumOfPages", $numOfPages.val());

    formData.append("bookCriticsRating", $criticsRating.val());

    formData.append("bookPrice", $price.val());

    formData.append("bookDiscount", $discount.val());

    formData.append("updateBookBtn", true);
```

17

```javascript
        $.ajax({
            url: "models/book/update_book.php",
            method: "POST",
            dataType: "json",
            contentType: false,
            processData: false,
            data: formData,
            success: function(data){
                alert(data.message);
                location.reload();
            },
            error: function(xhr, errType, errMsg){
                var data = JSON.parse(xhr.responseText);

                alert(data.message);
            }
        });

}
function deleteBook(e){

    e.preventDefault();

    var $id = $("select[name='bookId']");

    if($id.val() == 0){
        alert("Please select a book to delete.");
        return;
    }

    var formData = new FormData();

    formData.append("bookId", $id.val());

    formData.append("deleteBookBtn", true);

    $.ajax({
        url: "models/book/delete_book.php",
        method: "POST",
        dataType: "json",
        data: formData,
        processData: false,
        contentType: false,
        success: function(data){
            alert(data.message);
```

17

```
            location.reload();
        },
        error: function(xhr, errType, errMsg){
            var data = JSON.parse(xhr.responseText);

            alert(data.message);
        }
    });


}
function countDecimals(number){
    var stringNum = number.toString();

    var splitted = stringNum.split(".");

    if(splitted.length == 2)
        return splitted[1].length;
    else
        return 0;
}
```

login.js

```javascript
$(document).ready(function(){
    $("#loginBtn").click(validateLogin);
});

function validateLogin(){
    hideFormFeedbacks();

    let $email = $("#loginEmail");
    let $password = $("#loginPassword");

    let emailReg = /^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-z]{2,})+$/;
    let passwordReg = /^(?=.*[A-Z])(?=.*[a-z])(?=.*\d)[A-Za-z\d]{8,}$/;

    if(!emailReg.test($email.val())){
        $email.next().show();
        $email.next().text("Invalid email format. Email must start with a letter and cont
ain only letters and numbers.");
        return;
    }
    if(!passwordReg.test($password.val())){
        $password.next().show();
        $password.next().text("Invalid password format. Password must contain at least on
e lowercase and uppercase letter, and a number. And it must be at least 8 characters long
.");
        return;
    }

    $.ajax({
        url: "index.php?page=4",
        method: "POST",
        dataType: "json",
        data: {
            email: $email.val(),
            password: $password.val(),
            login: true
        },
        success: function(data){
            alert("Login successful.");
            window.location.href = data.message;
        },
        error: function(xhr,errType,errMsg){
            var errJson = JSON.parse(xhr.responseText);
            alert(errJson.message);
```

18

```
        }
    });
}

function hideFormFeedbacks(){
    $("#loginEmail").next().hide();
    $("#loginPassword").next().hide();
}
```

register.js

```javascript
$(document).ready(function(){
    $("#registerBtn").click(validateRegister);
    $("#resendActivationLink a").click(resendActivationLink);
});

function validateRegister(){
    hideFormFeedbacks();

    let $email = $("#registerEmail");
    let $password = $("#registerPassword");
    let $passwordConfirm = $("#registerConfirmPassword");

    let emailReg = /^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-z]{2,})+$/;
    let passwordReg = /^(?=.*[A-Z])(?=.*[a-z])(?=.*\d)[A-Za-z\d]{8,}$/;

    if(!emailReg.test($email.val())){
        $email.next().show();
        $email.next().text("Invalid email format. Email must start with a letter and cont
ain only letters and numbers.");
        return;
    }
    if(!passwordReg.test($password.val())){
        $password.next().show();
        $password.next().text("Invalid password format. Password must contain at least on
e lowercase and uppercase letter, and a number. And it must be at least 8 characters long
.");
        return;
    }
    if($password.val() != $passwordConfirm.val()){
        $passwordConfirm.next().show();
        $passwordConfirm.next().show().text("Passwords do not match.");
        return;
    }

    $.ajax({
        url: "index.php?page=5",
        method: "POST",
        dataType: "json",
        data: {
            email: $email.val(),
            password: $password.val(),
            "register": "true"
        },
```

18

```javascript
        success: function(data){
            alert(data.message);
        },
        error: function(xhr,errType,errMsg){
            var errJson = JSON.parse(xhr.responseText);
            alert(errJson.message);
        }
    });
}
function resendActivationLink(e){
    e.preventDefault();

    hideFormFeedbacks();

    var $email = $("#registerEmail");

    let emailReg = /^[a-z]+[a-z\d]{2,}(\.[a-z\d]+)*@[a-z]{2,}(\.[a-z]{2,})+$/;

    if(!emailReg.test($email.val())){
        $email.next().show();
        $email.next().text("Invalid email format. Email must start with a letter and cont
ain only letters and numbers.");
        return;
    }

    $.ajax({
        url: "models/public/resend_activation_link.php",
        method: "POST",
        dataType: "json",
        data: {
            email: $email.val()
        },
        success: function(data){
            alert(data.message);
        },
        error: function(xhr,errType,errMsg){
            var errJson = JSON.parse(xhr.responseText);
            alert(errJson.message);
        }
    });
}

function hideFormFeedbacks(){
    $("#registerEmail").next().hide();
    $("#registerPassword").next().hide();
```

18

```
    $("#registerPasswordConfirm").next().hide();
}
```

SCSS

main.scss

```scss
$color-primary-light: #2577fd;

$logo-width: 150px;
$default-text-color: rgb(255,255,255);
$default-text-color-dark: rgb(0,0,0);
$default-text-color-grey: #506172;

$main-slider-bg-darkness: 0.3;
$main-slider-img-height: 500px;

$main-shop-category-hover-darkness: 0.4;
$main-shop-category-transition-speed: 0.1s;

$main-most-popular-titles-img-height: 400px;
$main-most-popular-titles-product-mb: 100px;

$shop-filters-border: #e8e8e8;

$about-info-padding-top: 10px;
$about-social-icons-size: 36px;
$about-social-icons-horiz-margins: 5px;
//socials
$twitter-color: #00acee;
$instagram-color: #eb1dbe;
$youtube-color: #e01e18;

$online-users-indicator-color: rgb(0, 228, 0);
html{
    overflow-x: hidden;
    font-size: 20px;
}

.logo a img{
    width: $logo-width;
}

select{
    display: block;
    padding: 5px;
    border: 1px solid darken($shop-filters-border, 5%);
    border-radius: 4px;
```

```scss
}
a{
    color: black;
}
/* #region HEADER */
#online-users-status{
    color: $default-text-color;
    font-size: 0.8rem;
    i{
        color: $online-users-indicator-color;
    }
}
.hide-header-top{
    display: none !important;
}
#shopping-cart{
    position: relative;
    span{
        position: absolute;
        display: block;
        right: -10px;
        top: -7px;

        padding-top: 3px;

        width: 30px;
        height: 30px;

        text-align: center;
        background-color: $color-primary-light;
        color: $default-text-color;

        border: 1px solid $shop-filters-border;
        border-radius: 500px;

        font-size: 0.8rem;

    }
    &::before{
        display: none;
    }
}
#cart-account-btns{
    position: relative;
    top: 0px;
```

```scss
        right: 0px;
}
/* #endregion */
/* #region HOME */
#main-intro-slider{
    background: linear-gradient(rgba(0,0,0,$main-slider-bg-darkness), rgba(0,0,0,$main-
slider-bg-darkness)), url("/assets/images/main-intro-slider-wallpaper.jpg") !important;
    background-size: cover !important;

    &-image {
        position: static;
        img{
            margin: 0px auto;
            height: $main-slider-img-height;
        }
    }
    &-info{
        h1, p{
            color: $default-text-color;
        }
        h1{
            font-size: 2.1rem;
        }
    }
}

#main-shop-categories{
    .single-category{
        .category-caption{
            position: absolute;
            top: 0%;
            left: 0%;
            width: 100%;
            height: 100%;
            display: flex;
            justify-content: center;
            align-items: center;

            transform: translateY(0%);

            transition: background-color $main-shop-category-transition-speed;
            &:hover{
                background-color: rgba(0,0,0, $main-shop-category-hover-darkness);
                cursor: pointer;
            }
```

```scss
        h2{
            color: $default-text-color;
            margin-bottom: 0px;
            margin-right: 0px !important;
            user-select: none;
        }
    }
  }
}

.most-popular-titles{
    .single-product{
        margin-bottom: $main-most-popular-titles-product-mb !important;
        .product-img{

            position: relative;
            i{
                display: none;

                top: 50%;
                left: 50%;

                margin-left: -25px;
                margin-top: -25px;

                position: absolute;

                font-size: 2.5rem;

                color: darken($default-text-color,10%);

                cursor: pointer;

                &:hover{
                    color: $color-primary-light;
                    text-shadow: 1px 1px 2px black;
                }

            }
            &:hover i{
                display: block;
            }

            img{
                width: auto;
```

```scss
                height: $main-most-popular-titles-img-height;
            }
        }
        .product-caption{
            h4{
                a{
                    font-size: 1rem;
                }
            }
        }
    }
}

.category-random{
    img{
        object-fit: cover;
        height: 275px;
    }
}
#newsletter-area{
    background-image: url("/assets/images/shipping-wallpaper.jpg");
    background-size: cover;

    #newsletterControls{
        display: flex;
        flex-direction: column;
        align-items: center;

        input{
            margin-bottom: 5px;
        }

        button{
            position: relative;
            width: 200px;
        }
    }
}

.best-by-critics{
    &-item{
        img{
            width: 100%;
        }
        span{
```

```scss
            display: block;
            margin-top: 10px;
            padding: 0px 5px;

            font-size: 1.5rem;
            font-family: "Playful Display", serif;

            color: $default-text-color-dark;
        }
    }
}
.best-by-critics-image{
    position: relative;
    i{
        display: none;

        top: 50%;
        left: 50%;

        margin-left: -25px;
        margin-top: -25px;

        position: absolute;

        font-size: 2.5rem;

        color: darken($default-text-color,10%);

        cursor: pointer;

        &:hover{
            color: $color-primary-light;
            text-shadow: 1px 1px 2px black;
        }

    }
    &:hover i{
        display: block;
    }
}

.footer-logo{
    img{
        width: 175px;
    }
```

```scss
}
/* #endregion */

/* #region SHOP */
.main-intro{
    background-size: cover;
    .hero-cap h2{
        color: $default-text-color;
    }
}
#shop-main-intro{
    background-image: url("/assets/images/intro-wallpapers/shop-wallpaper.jpg");
}
#shop-upper-controls{
    padding-bottom: 5px;
}

.pagination{
    .page-link{
        border-radius: 0px !important;
        &:focus{
            box-shadow: none;
        }
    }
}

.shop-filters{
    border-left: 1px solid $shop-filters-border;
    .shop-filter{
        margin-bottom: 20px;
        ul{
            li{
                a{
                    color: $default-text-color-dark;
                }
            }
        }

        input[type=checkbox]{
            width: 20px;
            height: 20px;
            &:hover{
                cursor: pointer;
            }
        }
```

```scss
        span{
            user-select: none;
        }
    }
}
#shop-main{
    .bullet-points{
        padding-top: 0px !important;
        padding-bottom: 0px !important;
    }
    .best-by-critics-image{
        i{
            top: 50%;
            left: 50%;

            margin-left: -25px;
            margin-top: -25px;
        }
    }
}
/* #endregion */

/* #region CONTACT */
#contact-main-intro{
    background-image: url("/assets/images/intro-wallpapers/contact-wallpaper.jpg");
}
#google-maps-contact{
    iframe{
        width: 100%;
    }
}
.boxed-btn:hover{
    background: #0052d8;
    border: 1px solid #0052d8;
    color: $default-text-color !important;
}
/* #endregion */

/* #region ABOUT */
#about-main-intro{
    background-image: url("/assets/images/intro-wallpapers/about-wallpaper.jpg");
}
#about-info{
    padding-top: $about-info-padding-top;
    p{
```

```scss
            font-size: 1rem;
        }
        &-links{
            p{
                a{
                    color: $default-text-color-grey;
                    &:hover{
                        text-decoration: underline;
                        color: $color-primary-light;
                    }
                }
            }
        }
    }
}
#about-socials{
    &-links{
        i{
            margin: 0px $about-social-icons-horiz-margins;
            font-size: $about-social-icons-size;
            &.fa-facebook-square{
                color: darken($color-primary-light, 5%);
                &:hover{
                    color: darken($color-primary-light, 10%);
                }
            }
            &.fa-twitter-square{
                color: $twitter-color;
                &:hover{
                    color: darken($twitter-color, 5%);
                }
            }
            &.fa-instagram{
                color: $instagram-color;
                &:hover{
                    color: darken($instagram-color, 5%);
                }
            }
            &.fa-youtube{
                color: $youtube-color;
                &:hover{
                    color: darken($youtube-color, 5%);
                }
            }
        }
    }
}
```

```scss
}
/* #endregion */

/* #region LOGIN */
#login-main-intro{
    background-image: url("/assets/images/intro-wallpapers/login-wallpaper.jpg");
}
#login-side-section{
    background-image: url("/assets/images/login-side.jpg");
    background-size: cover;
}
/* #endregion */

/* #region REGISTER */
#register-main-intro{
    background-image: url("/assets/images/intro-wallpapers/login-wallpaper.jpg");
}
#register-side-section{
    background-image: url("/assets/images/login-side.jpg");
    background-size: cover;
}
#resendActivationLink{
    a{
        color: $color-primary-light;
        text-decoration: underline;
    }
}
/* #endregion */

/* #region ADMIN */
#admin-main-intro{
    background-image: url("/assets/images/intro-wallpapers/admin-wallpaper.jpg");
    background-position: 0% 50%;
}
#admin-pages-percent{
    ul{
        li{
            margin-bottom: 15px;
        }
    }
}
#admin-pages-last-24{
    ul{
        li{
            margin-bottom: 15px;
```

19

```scss
        }
    }
}
#admin-log-window{
    height: 400px;
    overflow-y: scroll;

    border: 1px solid $shop-filters-border;
    padding: 10px;
}
/* #endregion */

/* #region ADMIN CONTENT */
.admin-content-container{
    select{
        width: 100%;
    }
}
#bookCover{
    img{
        display: none;
        width: 50%;
    }
}
/* #endregion */

/* #region ADMIN ADD BOOK */

.book-prop-add{
    input{
        display: none;
    }
    .nice-select{
        width: 100%;
    }
    i{
        font-size: 32px;
        margin-left: 5px;
        &:hover{
            color: $color-primary-light;
            cursor: pointer;
        }
    }
}
/* #endregion */
```

```css
/* #region CART */
#cart-main-intro{
    background-image: url("/assets/images/intro-wallpapers/cart-wallpaper.jpg");
    background-position-y: 40%;
}
.cart-item{
    p, h5{
        font-size: 1.1em !important;
    }
}
#cart-subtotal{
    h5{
        font-size: 1.1rem !important;
    }
}
/* #endregion */

/* #region ERROR PAGE */
#error-main-intro{
    background-image: url("/assets/images/intro-wallpapers/error-wallpaper.jpg");
}
/* #endregion */

/* #region BOOTSTRAP CUSTOMIZATIONS */
.invalid-feedback{
    margin-left: 15px;
}
/* #endregion */

/* #region TEMPLATE CUSTOMIZATIONS */
.nice-select{
    display: none;
}
/* #endregion */

/* #region SPACING CLASSES */
.pt-8{
    padding-top: 100px;
}
/* #endregion */

/* #region STYLE CLASSES */
.text-stroke-black-2{
    text-shadow:
```

19

```css
        -2px 3px 0 #000,
        2px -2px 0 #000,
        2px 2px 0 #000,
        2px 2px 0 #000;
}
.text-stroke-black-1{
    text-shadow:
     -1px -1px 0 #000,
      1px -1px 0 #000,
     -1px 1px 0 #000,
      1px 1px 0 #000;
  }
.text-stroke-white-1{
    text-shadow:
    -1px 1px 0 #b9b9b9,
    1px -1px 0 #b9b9b9,
    -1px 1px 0 #b9b9b9,
    1px 1px 0 #b9b9b9;
}
.no-select-pointer-text{
    cursor: pointer;
    user-select: none;
}
/* #endregion */

/* #region MEDIA QUERIES */
@media only screen and (max-width: 1200px){
    #author-word-btn{
        width: 90% !important;
    }
}
@media only screen and (max-width: 640px){

    .cart-nav{
        display: block !important;
    }
    #shopping-cart{
        display: none;
    }

    //Authenticated users
    .logout-nav{
        display: block !important;
    }
    #logout-btn{
```

19

```css
        display: none;
    }


    //Unauthenticated users
    .login-nav{
        display: block !important;
    }
    .register-nav{
        display: block !important;
    }


    #login-btn{
        display: none !important;
    }
    #register-btn{
        display: none !important;
    }

}
@media only screen and (max-width: 575px){
    .best-by-critics-item{
        img{
            width: 75%;
        }
    }
    .single-product-wrapper{
        padding: 0px 100px !important;
    }

}
@media only screen and (max-width: 470px){
    #export-books-btn{
        line-height: 1.5;
        white-space: normal;
        word-wrap: break-word;
    }
}
@media only screen and (max-width: 420px){
    .single-product-wrapper{
        padding: 0px 50px !important;
    }
    #about-main{
        padding: 0px 5px !important;
    }
    #author-word-btn{
```

```css
        width: 100% !important;
    }
}
@media only screen and (max-width: 360px){
    .best-by-critics-item{
        img{
            width: 100%;
        }
    }
    .most-recent-titles-item{
        img{
            width: 75% !important;
            height: auto !important;
        }
    }
}
/*#endregion*/
```