DOKUMENTACIJA

http://kafeterija.epizy.com/

Praktikum iz PHP

Đorđe Minić 135/19

Smer: Internet tehnologije

Modul: Web programiranje

Predmet: Praktikum iz PHP

Sadržaj

1.Uvod

1.1 Korišćeni tehnologije

• HTML

• PHP

• CSS

• SASS

• Javascript

• JSON

• jQuery

• Bootstrap

• Adobe illustrator

Rađeno u Visual studio code. Sajt hostovan na InfinityFree.

1.2 Opis funkcionalnosti

• Dinamičko ispisivanje navigacionog menija ,naslova stranica i cover slika

 • Otvaranje eskpandirajućeg menija na manjim rezolucijama klikom na 'hamburger' ikonicu

• Sajt predstavlja online prodavnicu sa proizvodima podeljenim u kategorije

• Upotreba AJAX-a za čitanje I dohvatanje fajlova koje se realizuje funkcijama. U slučaju dolaska do greške, iste se obradjuju. Filtriranje sortiranje, pretraga po nazivu I paginacija obradjene su na serverskoj strani

- Dinamičko ispisivanje proizvoda sa specifičnom kategorijom 'U fokusu' na pocetnoj strani

- Korpa sa količinom i ukupnim iznosom, kao I obračunavanjem medjuzbira sa dinamickom cenom dostave. Podaci se citaju iz sesije. Pored se nalazi forma za upis podataka za naručivanje proizvoda iz gore pomenute korpe. Nakon pravilno unetih podatak za slanje, porudbine se cuvaju u bazi.

- Provera unetih podataka u formu prilikom napustanja pojedinačnih polja ili nakon pritiska na dugme submit/validacija forme

- Pritiskom na dugme submit, u slučaju da su sva polja ispravno popunjena, prikazuje se obavestenje u vidu poruke za korisnika

- Nakon uspešnog unošenja podataka za naručivanje, korisniku se prikazuje informacija o istom

- Responsive sajt uz pomoć media query-ja I bootstrapa

- Potvrdom slanja podataka I teksta poruke na kontakt strani podaci prolaze validaciju na klijentskoj I serverskoj strani. Ako je sve pravilno uneto poruke se cuvaju u bazi I prikazuju na admin panelu.

- Logovanje I registracija se obavljaju sa proverom na front I back strani. Ukoliko je korisnik admin sajta ima izmenjen sadrzaj za pristup I omogucene alatke za kontrolisanje sadrzaja sajta. Moguca je promena celokupnog izgleda proizvoda kao I deaktivacija I aktivacija naloga.

- Admin panel sa statistickim podacima o sajtu I pristupu stranica. Admin sajta ima izmenjen sadrzaj za pristup I omogucene alatke za kontrolisanje sadrzaja sajta. Moguca je promena celokupnog izgleda proizvoda kao I deaktivacija I aktivacija naloga.

- Mogucnost deaktiviranja proizvoda

• Eksportovanje ponuda u formi Excel fajla, dostupno administratoru na stranici za pregled svih ponuda za određeni proizvod (See Offers)

•Eksportovanje informacija o autoru u formi Word fajla

• Log fajl u kom se beleži pristup svih posetilaca sajta, kao i error log fajl u kom se beleže greške

1.3 Template

Za izradu nije korišćen gotov template, sajt je ručno pisan uz pomoć Bootstrap framework-a. Kod koji realizuje sajt je priložen u nastavku dokumenta.

2. Organizacija
2.1. Dizajn baze podataka
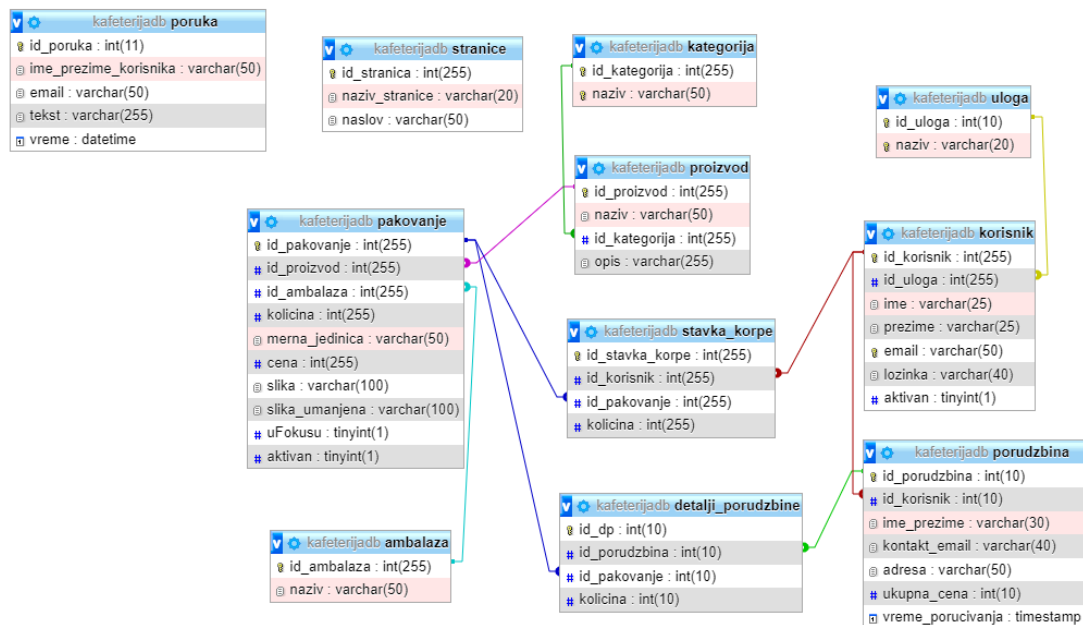
2.2 Mapa sajta
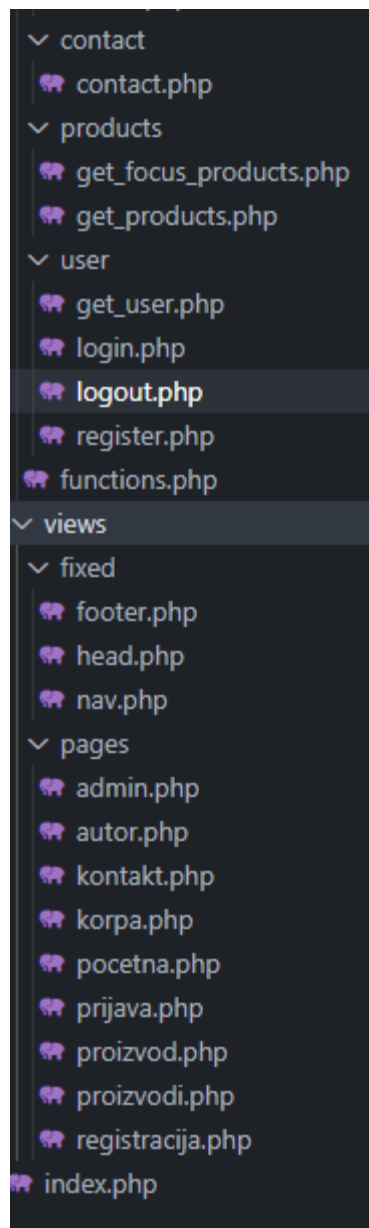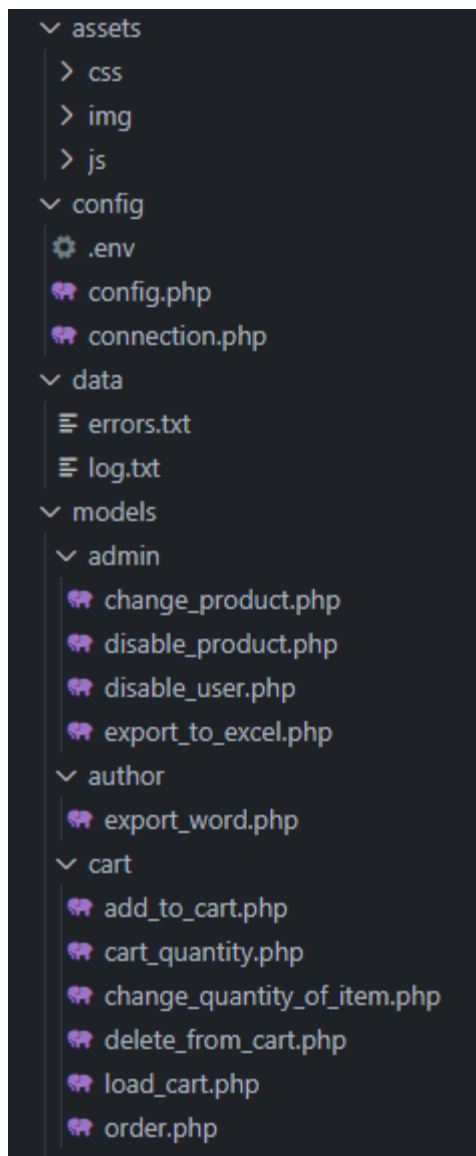
Odmah ispod navigacije vidimo sekciju za logovanje ili registraciju novih korisnika, pri svakom logovanju prikaz se menja i ispisuje ime korisnika koji je trenutno ulogovan. Ako je u pitanju admin pisace Admin.

Na pocetnoj stranici mozemo videti dinamicki ucitanu naslovnu fotografiju I Naslovni tekst koji se cita iz baze I stampa u prvoj sekciji.

U narednoj sekciji mozemo videti proizvode koji imaju specificnu osobinu "U fokusu" na osnovu koje se iz baze filtriraju I kao takvi prikazuju. Svaki od njih ima link "detaljnije" koji vodi ka detaljima izabranog proizvoda kao I dugme za dodavanje u korpu.

KAFETERIJA

Početna   Proizvodi   Kontakt   Autor

Prijavi se   Registracija

Prijavi se

djordjeminic2000@gmail.com

••••••••

Prijavi se

Nemate nalog? Registrujte se.

Morate biti ulogovani da bi obavljali kupovinu.
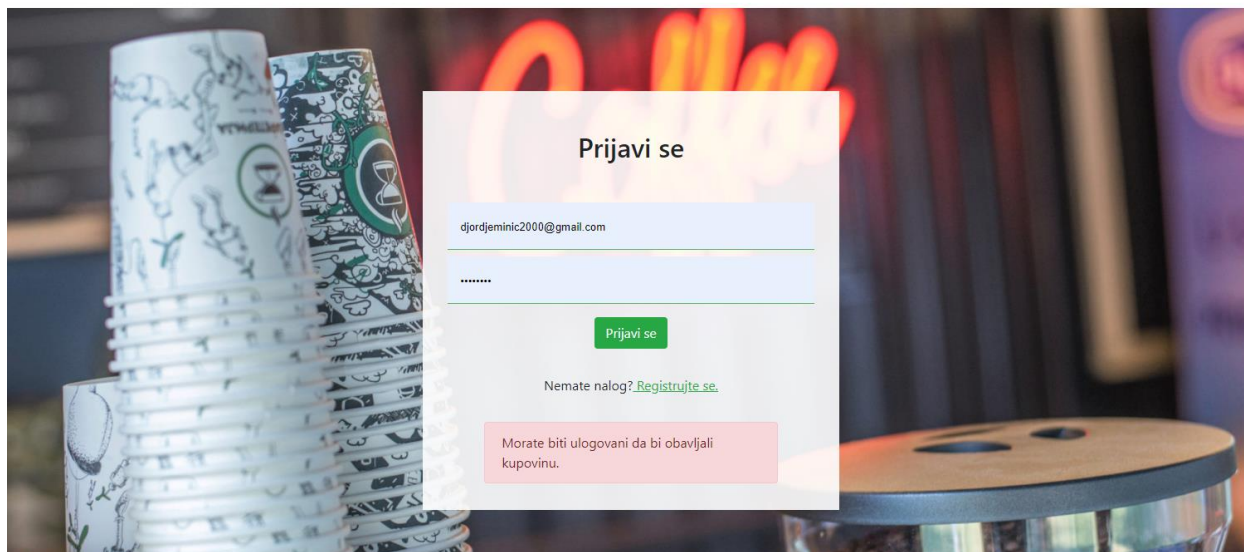
Dodavanje u korpu je onemogucenjo neregistrovanim korisnicima, kao I pristup stranici "Korpa". Pri pokusaju pristupa korisnik se redirektuje ka stranici za prijavu sa porukom objasnjenja.

Ispisivanje proizvoda je dinamicki kao I ispisivanje kategorija po kojima se može sortirati I filtrirati sveukupna ponuda. Pri kliku na dugme "Dodaj u korpu" artikal se dodaje u korpu I kolicina se povecava na prikazu korpe u gornjem desnom uglu. Prilikom svakog ponovnog klika na isti proizvod kolicina se povećava I to se moze videti u gornjem desnom uglu kod dugmeta korpa. Pored korpe se nalazi broj koji u svakom trenutku na svakoj stranici prikazuje ukupan broj proizvoda koje su dodate u korpu.

 Pored filtriranja po kategoriji, moguće je I sortiranje po ceni (Prvo najjeftinije I prvo najskuplje) kao I sortiranje po nazivu (A-Z, Z-A). Navedeni su opsezi cena uz pomoc koji je odredjivanje cene jos vise olaksano.

Moguća je pretraga artikala po nazivu.

Paginacija se nalazi na dnu strance ispod proizvoda.
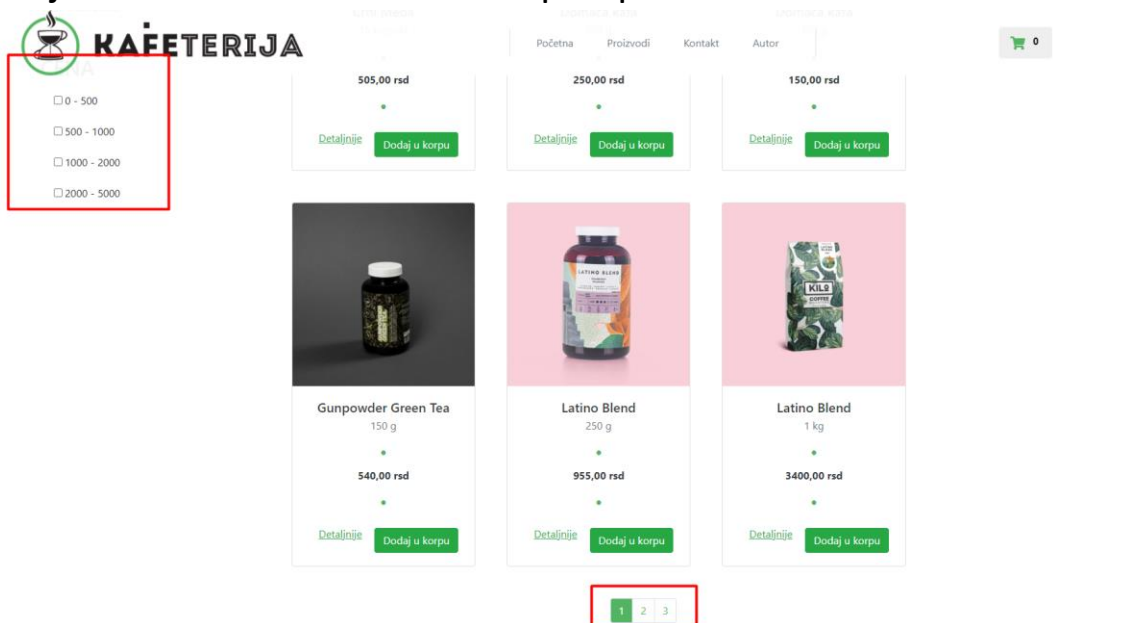
Ako prilikom odabira filtera nije moguće naći željeni proizvod , prikazuje se informacija o tome.
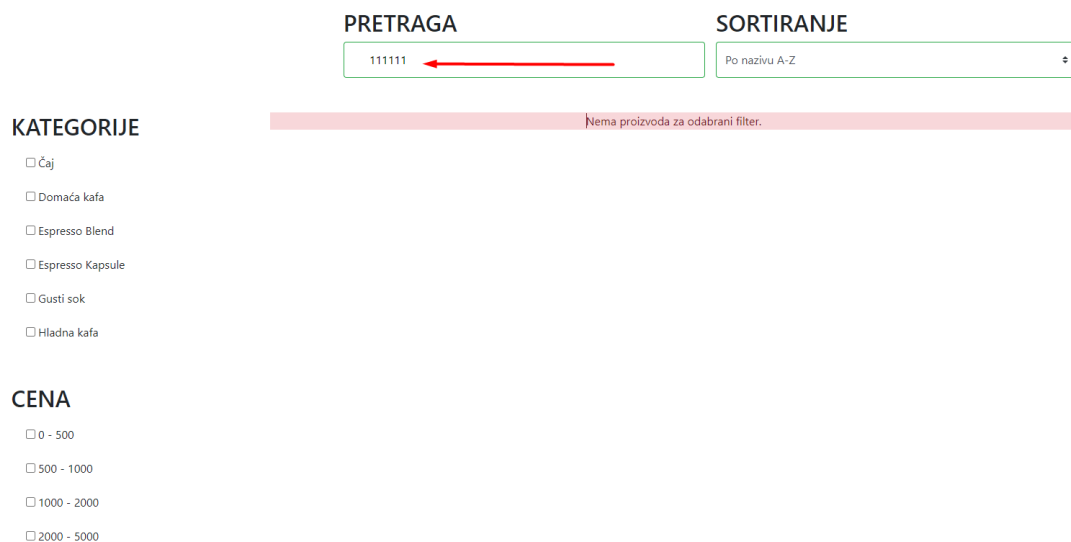
2.3.3 views/pages/kontakt.php

Prilikom popunjavanja podataka u sekciji slanja poruke, podaci se prilikom klika na dugme proveravaju regularnim izrazima na obe strane kao I broj unetih karaktera sa input Tekstualne poruke. Prilikom greske u pisanju datih podataka ili ostavljanja forme prazne, ispisuju se obavestenja ukazivanja na problem.

Kada je forma prazna:

Pošalji nam poruku

Ime i prezime
_____
Polje ne moze biti prazno.

Email
_____
Polje ne moze biti prazno.

Tekst poruke...

_____
Polje Teksta poruke je obavezno.

Pošalji

Kada su podaci pravilno uneti forma se čisti I prikazuje uspesnost slanja.

Pošalji nam poruku

Ime i prezime

Email

Tekst poruke...

Pošalji

Poruka je uspešno prosleđena.

2.3.4 views/pages/autor.php

Ispisuju se podaci o autoru, njegova slika kao I linkovi ka njegovom
LinkedIn profilu, GitHub profilu I portfolio stranici.

Tu je I dugme koje omogucava svakome da preuzme word dokument sa podacima o autoru.
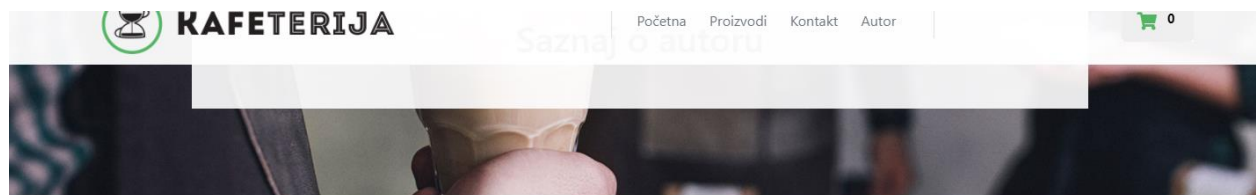
Đorđe Minić

135 / 19

Student sam Visoke ICT škole u Beogradu. U Novoj Varoši sam završio muzičku školu, ali kada sam zakoračio u svet programiranja shvatio sam da sam na pravom putu. Pored znatiželje i volje da unapredim i poboljšam moje znanje iz oblasti IT, takođe, sve više sam zainteresovan za nove izazove i rad u oblasti grafičkog dizajna. Kontaktirajte me, otvoren za saradnju i nove projekte.

Portfolio   Štampaj u Word-u

2.3.5 views/pages/registracija.php

Za uspesnu registraciju potrebna je potvrda lozinke I pravilno uneti svi ostali prametri.

Ispod forme postoji link kao I kod stranice prijava.php kojim se moze setati izmedju ove dve stranice.
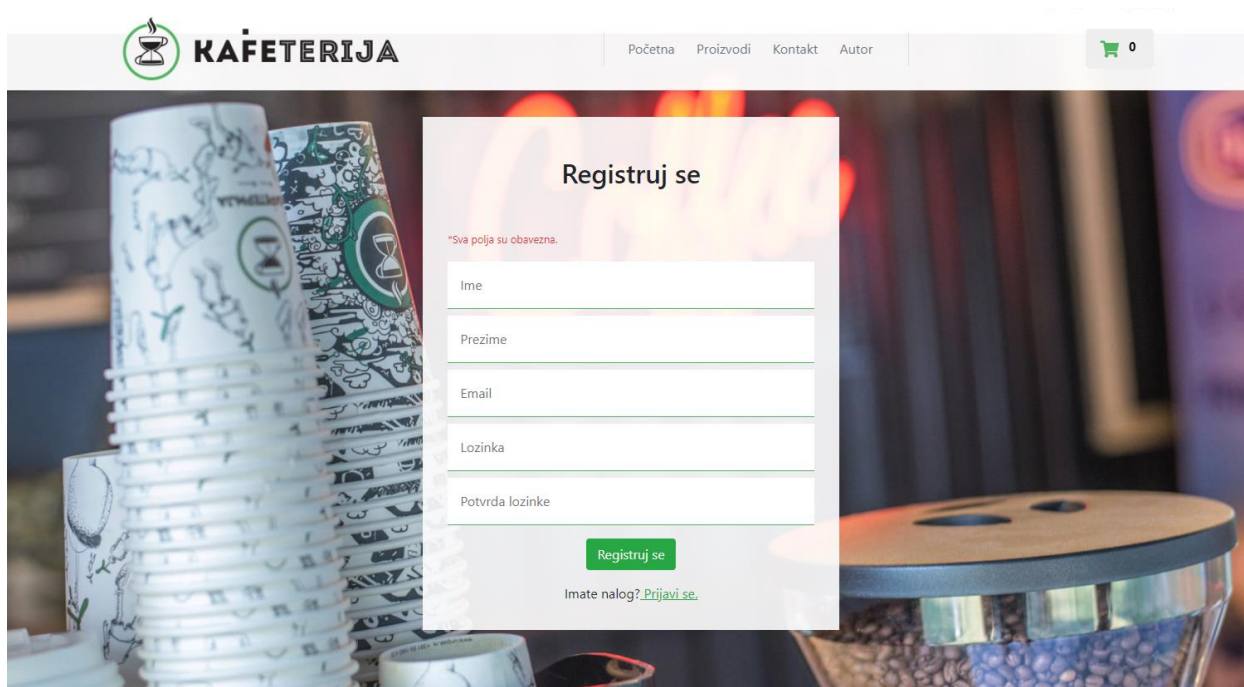
2.3.6 views/pages/prijava.php
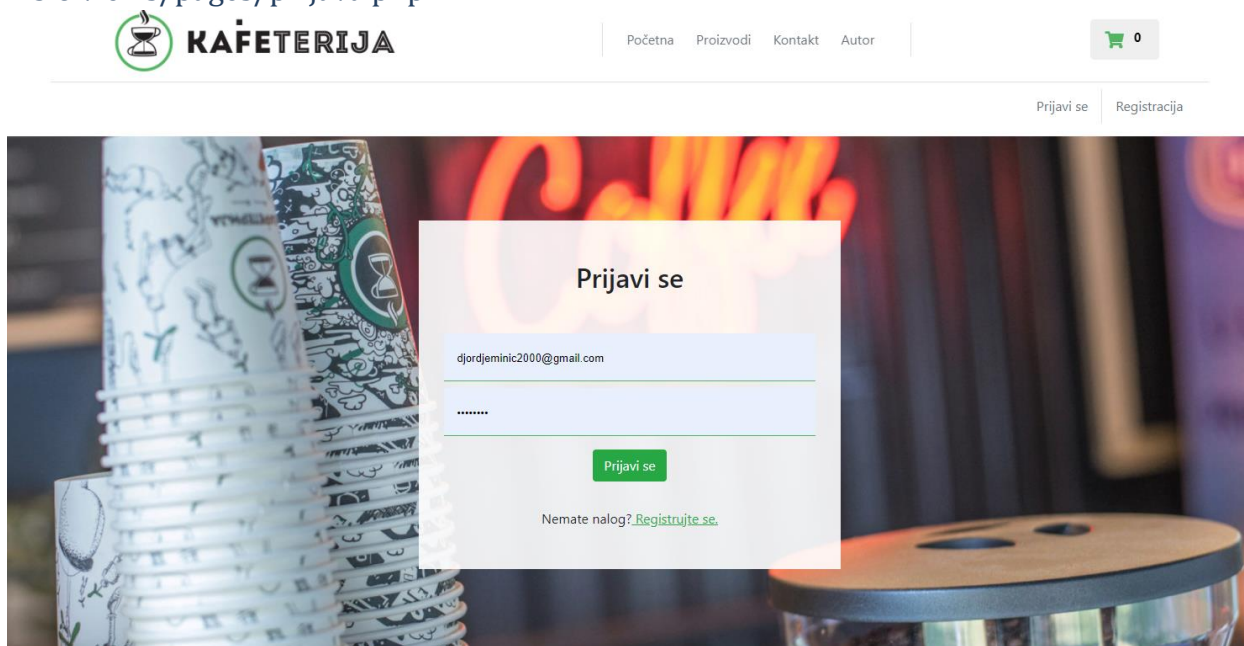
Prilikom prijave proverava se da li uneti email u kombinaciji sa lozinkom postoje u bazi I ako je to slucaj korisnik se redirektuje na pocetnu stranicu.

2.3.7 views/pages/korpa.php

		Proizvod	Cena	Kolicina	Medjuzbir
🗑		Lenjivac	495,00 RSD	2	990,00 RSD
🗑		Mint i Moringa	490,00 RSD	1	490,00 RSD
🗑		Crni Meda	505,00 RSD	1	505,00 RSD

🗑 Obriši sve iz korpe

Na stranici korpa mogu ce je menjati kolicinu pojedinacnih proizvoda kao I brisanje istih, takodje je moguce I brisanje celokupne korpe uz koje se menja sadrzaj stranice I brisu forma za obavljanje kupovine.Prikazuje je obavestenje za povratak na kupovinu.

Vaša korpa je trenutno prazna. Želite nazad na kupovinu?

← Nazad na kupovinu

Sabiranje ukupnih troskova I forma za porucivanje. Uzimanjem podataka iz sesije forma se automatski popunjava prva dva polja, koja je , naravno, moguce menjati

VAŠ UKUPNI TROŠAK

Međuzbir	505,00 RSD
Dostava*	250,00 RSD
Ukupno	755,00 RSD

*Za porudzbine preko 1500 dinara dostava je besplatna.

PODACI ZA PLAĆANJE

Ime i prezime primaoca

Jelena Berber

Kontakt Email

jelena.berber00@gmail.com

Adresa i Grad

Npr: Nikole Tesle 16, Nova Varoš

Završi porudžbinu

2.3.8 views/pages/admin.php

Na admin stranici se nalaze podaci za admina sajta. Prva sekcija je ispunjena statistikom pristupa stranicama u procentima. Takodje moguce je exportovati date podatke u Exccel.

Statistika pristupa stranicama

Ukupna statistika:

#	Stranica	Posećenost
1	admin	33.1%
2	proizvod	29.6%
3	proizvodi	18.1%
4	pocetna	9.2%
5	prijava	3.4%
6	kontakt	2.2%
7	autor	1.6%
8	korpa	1.6%
9	home	0.6%
10	registracija	0.3%
11	product	0.1%

Statistika za danasnji pristup:

#	Stranica	Posećenost
1	admin	80.1%
2	pocetna	6.6%
3	prijava	3.6%
4	korpa	3.0%
5	kontakt	2.4%
6	proizvodi	1.8%
7	autor	1.2%
8	registracija	0.6%
9	proizvod	0.6%

Eksportuj ukupnu statistiku u Excel

Export u Excel

Na drugim sekcijama se nalaze podaci o:

Korisnicima koji su danas pristupili sajtu kao I njihovom broju

Korisnicima I njihovim podacima kao I mogucnost menjanja aktivnosti naloga odnosno banovanja.

Korisnici koji su danas posetili sajt (2): Djordje, Jelena

Poruke:

#	Korisnik	Email	Tekst poruke	Vreme slanja
1	Djordje Minic	djordjeminic2000@gmail.com	Test poruka za slanje ka serveru sa kontakt strane	2021-08-03 19:07:35
2	Sara Minic	sakesake@gmail.com	Bolje bi bilo da nema nikakvih poruka	2021-08-13 12:58:32
3	Nana Nanasta	nananani@gmail.com	Test poruka prikaz kontakt strana	2021-08-30 13:14:18

Korisnici:

#	Uloga	Ime	Prezime	Email	Upravljaj
1	Admin	Djordje	Minic	djordjeminic2000@gmail.com	Admin
2	Korisnik	Sara	Minic	sakesake@gmail.com	Deaktiviraj
3	Korisnik	Jelena	Berber	jelena.berber00@gmail.com	Deaktiviraj

2.3.9 views/pages/proizvod.php

Stranica namenjena prikazu detalja proizvoda kao njegove kategorije , cene itd. Moguce je dodati proizvod u korpu I sa ove stranice.

Ukoliko je admin prijavljen ova stranica dobija malo drugaciji izgled I moguce je jednostavno menjati detalje proizvoda. Kao I uklanjanje proizvoda iz ponude.

Izmeni proizvod

Nova slika: Choose File No file chosen

Novi naziv: Crni Meda

Novi opis:

BEZ KOFEINA – DECAF
Intenzivan i bogat ukus ove kafe nije umanjen odsustvom kofeina.
Sastav: 30% Arabika – 70% Robusta.
Prženje: srednje pečena – tamna.
Jačina: 7 | 12

Količina: 15 kapsula

Nova cena: 505 RSD

Sačuvaj izmene

Ukloni iz ponude

3. Kodovi stranica
3.1 index.php

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

  $page = 'pocetna';
  if(isset($_GET['page'])){
    $page = $_GET['page'];
  }
  if(!file_exists("views/pages/$page.php")){
    header("Location: index.php?page=pocetna");
  }

  //ispis stranice
  require_once "views/fixed/head.php";
  require_once "views/fixed/nav.php";

  $infoPage = getPageInfo($page);

  if($infoPage):
?>


  <div class="naslovna bg-<?=$page?> bg d-flex flex-wrap justiffy-content-
center col-12">
    <div class="container col-12 col-sm-10 d-flex flex-wrap justify-content-
center">
      <div class="container-fuid float-center text-light col-10 bg-gray">
        <h1 class="col-12 text-center py-5 text-muted"><?=$infoPage[0]-
>naslov?></h1>
      </div>
    </div>
  </div>
  <?php
    if ($page == 'proizvod') {
      echo '<a href="index.php?page=proizvodi" class="text-center text-
secondary">
            <h4 class="my-5">
              <i class="fas fa-long-arrow-alt-left mr-2"></i>
              Svi proizvodi
            </h4>
          </a>';
    }
```

```php
  ?>


<?php
  endif;

  require_once "views/pages/$page.php";
  require_once "views/fixed/footer.php";
```

3.2 admin.php

```php
<?php
      if(!($user && $user->id_uloga == 1)){
          header("Location: index.php?page=home");
          die();
      }

      require_once "models/functions.php";
?>
<div id="statistika" class="col-10 d-flex flex-wrap justify-content-between mx-
auto">
    <h1 class="col-12 text-center">Statistika pristupa stranicama</h1>
    <?php
        $statistic = get_statistic("all");
        $statistic_today = get_statistic("today");
    ?>
    <div class="col-12 col-md-5 mt-5">
        <h3>Ukupna statistika:</h3>
        <table class="table col-12">
            <thead>
                <tr class="table-success">
                    <th scope="col">#</th>
                    <th scope="col">Stranica</th>
                    <th scope="col">Posećenost</th>
                </tr>
            </thead>
            <tbody>
                <?php
                    $i = 1;
                    foreach($statistic["page_percentages"] as $key=>$value):
                ?>
                    <tr>
                        <th scope="row"><?=$i++?></th>
                        <td><?=$key?></td>
```

```php
                <td><?=$value?>%</td>
            </tr>
        <?php
            endforeach;
            $i = 1;
        ?>
        </tbody>
    </table>
    <div class="col-12 mb-5 mt-5">
        <h4 class="col-12">Eksportuj ukupnu statistiku u Excel</h4>
        <a href="models/admin/export_to_excel.php" id="expExcel" class="mx-auto col-12 btn btn-success">Export u Excel</a>
    </div>
</div>
<div class="col-12 col-md-5 mt-5">
    <h3>Statistika za danasnji pristup:</h3>
    <table class="table col-12">
        <thead>
            <tr class="table-success">
                <th scope="col">#</th>
                <th scope="col">Stranica</th>
                <th scope="col">Posećenost</th>
            </tr>
        </thead>
        <tbody>
            <?php
                $i = 1;
                foreach($statistic_today["page_percentages"] as $key=>$value):
            ?>
                <tr>
                    <th scope="row"><?=$i++?></th>
                    <td><?=$key?></td>
                    <td><?=$value?>%</td>
                </tr>
            <?php
                endforeach;
                $i = 1;
            ?>
        </tbody>
    </table>
</div>
<div class="col-12 my-3 border-bottom py-5">
```

```php
        <h3 class="col-12 text-
center">Korisnici koji su danas posetili sajt (<?=count($statistic_today["users"]
)?>):
            <?php
                $count = count($statistic_today["users"]);
                $html = "";
                for ($i=0; $i < $count; $i++) {
                    ($i != $count-
1) ? $html .= $statistic_today["users"][$i].", " : $html .= $statistic_today["use
rs"][$i];
                }
                echo $html;
            ?>
        </h3>
    </div>
    <div class="col-12 my-3 border-bottom py-5">
        <h3 class="col-12 text-center">Poruke:</h3>
        <?php
            $messages = getSelectQuery("SELECT * FROM poruka");
        ?>
            <table class="table col-6 mx-auto">
                <thead>
                    <tr class="table-success">
                        <th scope="col">#</th>
                        <th scope="col">Korisnik</th>
                        <th scope="col">Email</th>
                        <th scope="col">Tekst poruke</th>
                        <th scope="col">Vreme slanja</th>
                    </tr>
                </thead>
                <tbody>
                    <?php
                        $i = 1;
                        foreach($messages as $mes):
                    ?>
                        <tr>
                            <th scope="row"><?=$i++?></th>
                            <td><?=$mes->ime_prezime_korisnika?></td>
                            <td><?=$mes->email?></td>
                            <td><?=$mes->tekst?></td>
                            <td><?=$mes->vreme?></td>
                        </tr>
                    <?php
                        endforeach;
                        $i = 1;
```

```php
                            ?>
                        </tbody>
                    </table>
            </div>
            <div class="col-12 my-3 border-bottom py-5">
                <h3 class="col-12 text-center">Korisnici:</h3>
                <?php
                    $users = getSelectQuery("SELECT * FROM korisnik k INNER JOIN uloga u
WHERE u.id_uloga = k.id_uloga");
                    //var_dump($users);
                ?>
                    <table class="table col-6 mx-auto">
                        <thead>
                            <tr class="table-success">
                                <th scope="col">#</th>
                                <th scope="col">Uloga</th>
                                <th scope="col">Ime</th>
                                <th scope="col">Prezime</th>
                                <th scope="col">Email</th>
                                <th scope="col">Upravljaj</th>
                            </tr>
                        </thead>
                        <tbody>
                            <?php
                                $i = 1;
                                foreach($users as $user):
                            ?>
                                <tr>
                                    <th scope="row"><?=$i++?></th>
                                    <td><?=$user->naziv?></td>
                                    <td><?=$user->ime?></td>
                                    <td><?=$user->prezime?></td>
                                    <td><?=$user->email?></td>
                                    <?php
                                    if ($user->id_uloga == "1") {
                                        echo '<td>Admin</td>';
                                    }
                                    else {
                                        if ($user->aktivan == 1) {
                                            echo '<td><a href="#" data-id="'.$user-
>id_korisnik.'" class=" col-12 text-
danger deaktivirajNalog">Deaktiviraj</a></td>';
                                        }
                                        else {
```

```php
                                echo '<td><a href="#" data-id="'.$user-
>id_korisnik.'" class=" col-12 text-success aktivirajNalog">Aktiviraj</a></td>';
                            }
                        }
                        ?>
                    </tr>
                <?php
                    endforeach;
                    $i = 1;
                ?>
            </tbody>
        </table>
    </div>
</div>
```

3.3 autor.php

```html
<div class="container col-12 d-flex justify-content-around flex-wrap py-5">
    <div class="col-6 col-lg-4 py-5">
        <img src="assets/img/profile.jpg" alt="Autor" class="img-fluid"/>
    </div>
    <div class="col-7 col-md-5 py-5">
        <h2>Đorđe Minić</h2>
        <h3>135<mark>/</mark>19</h3>
        <p>Student sam Visoke ICT škole u Beogradu. U Novoj Varoši sam završio mu
zičku školu, ali kada sam zakoračio u svet programiranja shvatio sam da sam na pr
avom putu. Pored znatiželje i volje da unapredim i poboljšam moje znanje iz oblas
i IT, takođe, sve više sam zainteresovan za nove izazove i rad u oblasti grafičko
g dizajna. Kontaktirajte me, otvoren za saradnju i nove projekte.</p>
        <div id="mreze" class="col-3 d-flex justify-content-between mx-0">
            <a href="https://github.com/PetUpolaSlukom" target="_blanc"><i class=
"fab fa-github text-success"></i></a>
            <a href="https://www.linkedin.com/in/djordje-minic-
088343198/" target="_blanc"><i class="fab fa-linkedin-in text-success"></i></a>
        </div>
        <div class="  mt-5 mx-0">
            <a href="https://petupolaslukom.github.io/Portfolio/" target="_blanc"
 class="btn btn-success">Portfolio</a>
            <a href="models/author/export_word.php" target="_blanc" class="btn bt
n-success">Štampaj u Word-u</a>
        </div>
    </div>
</div>
```

3.4 kontakt.php

```php
<div class="d-flex justify-content-around flex-wrap py-5 m-0 col-12">
    <div id="kontaktInfo" class="col-8 col-md-4 py-5">
        <h2 class="col-12 mb-5">Kontakt informacije</h2>
        <div class="col-12">
            <ul id="kontaktInfoLista" class="p-0">
                <li class="py-3 d-flex align-items-center">
                    <span class="mr-4 fas fa-map-marked-alt text-
success"></span> Cara Dušana 16, Beograd
                </li>
                <li class="py-3 d-flex align-items-center">
                    <span class="mr-4 fas fa-map-marked-alt text-
success"></span> Milana Rakića 77, Beograd
                </li>
                <li class="py-3 d-flex align-items-center">
                    <span class="mr-4 far fa-clock text-
success"></span>Svim danima od 10:00 do 21:00
                </li>
                <li class="py-3 d-flex align-items-center">
                    <span class="fas fa-phone mr-3 text-
success"></span><a class="text-success td-
u" href="tel:+381694301312">+381 69 420 1312</a>
                </li>
                <li class="py-3 d-flex align-items-center">
                    <span class="fas fa-envelope mr-3 text-
success"></span><a class="text-success td-
u" href="mailto:djordje.minic.135.19@ict.edu.rs">kafeterija.centar@gmail.com</a>
                </li>
            </ul>
        </div>
    </div>
    <form name="kontakt-form" id="kontakt-form" class="col-8 col-md-4 py-
5" method="POST" action="models/contact/contact.php">
        <h2 class="col-12 mb-5">Pošalji nam poruku</h2>
        <div class="container-fluid col-12">
            <div>
                <input type="text" name="name" id="name" class="container border-
bottom-green  py-3" placeholder="Ime i prezime">
            </div>
            <div>
                <input type="email" name="email" id="email" class="container bord
er-bottom-green py-3 mt-2" placeholder="Email">
            </div>
            <div>
```

```html
                <textarea name="text" id="text" cols="22" maxlength="200" rows="4
" class="container border-bottom-green py-3 mt-
2" placeholder="Tekst poruke..."></textarea>
            </div>
            <div class="d-flex align-items-center flex-column py-3">
                <input type="submit" id="kontakt-button" name="kontakt-
button" class="btn btn-success" value="Pošalji">
            </div>
        </div>
        <p class="form-error text-danger"></p>
        <?php
            if(isset($_GET["error"])){
                echo "<p class='alert alert-danger col-9 mt-3 mx-
auto'>".$_GET["error"]."</p>";
            }
            if(isset($_GET["message"])){
                echo "<p class='alert alert-info col-8 mt-3 mx-
auto'>".$_GET["message"]."</p>";
            }
        ?>
    </form>
</div>
```

3.5 korpa.php

```php
<?php
    if (!isset($_SESSION['user'])) {
        header ("Location: index.php?page=prijava&error=Morate biti ulogovani da
bi pristupili korpi.");
    }
?>
<?php
        if(isset($_GET["error"])){
            echo "<p class='alert alert-danger col-9 mt-3 mx-
auto'>".$_GET["error"]."</p>";
        }
        if(isset($_GET["message"])){
            echo "<p class='alert alert-success col-8 mt-3 mx-
auto'>".$_GET["message"]."</p>";
        }
    ?>
<div class="col-12" id="div-korpa">
        <div class="container text-white mt-5 mb-5 p-0" id="korpaSpisak">
        </div>
    <div id="obrisiSve" class="container py-3 mt-5">
```

```html
        <button type="button" id="buttonObrisiKorpu" class="btn btn-danger float-
left" value="Obriši sve iz korpe">
            <i class="fas fa-trash-alt align-center text-
light"></i> Obriši sve iz korpe
        </button>
    </div>
    <div id="medjuzbir-placanje" class="container-fluid">
        <div class="col-12 p-50-0 d-flex flex-wrap justify-content-around">
            <div class="col-md-5 col-12 container p-50-0">
                <h2 class="mb-5">VAŠ UKUPNI TROŠAK</h2>
                <table class="table table-hover table-striped">
                    <thead class="bg-dark">
                        <tr>
                            <th scope="col" class=" text-light"> </th>
                            <th scope="col" class=" text-light"> </th>
                        </tr>
                    </thead>
                    <tbody id="tbodyNarucivanje">
                        <tr>
                            <td class="text-dark text-center">Međuzbir</td>
                            <td id="tdMedjuzbir" class="text-dark text-
right"></td>
                        </tr>
                        <tr>
                            <td class="text-dark text-center">Dostava*</td>
                            <td id="tdCenaDostave"  class="text-dark text-
right"></td>
                        </tr>
                        <tr>
                            <td class="cena text-center">Ukupno</td>
                            <td  id="tdUkupano" class="cena text-right"></td>
                        </tr>
                    </tbody>
                </table>
                <p class="text-
secondary">*Za porudzbine preko 1500 dinara dostava je besplatna.</p>
            </div>
            <div class="col-md-5 col-12 container p-50-0">
                <h2>PODACI ZA PLAĆANJE</h2>
                <form name="korpa" id="korpa-forma" class="col-12 pb-
5" method="POST" action="models/cart/order.php">
                    <div class="container-fluid col-12">
                        <div>
                            <label for="adresa" class="text-dark mt-2 d-
block">Ime i prezime primaoca</label>
```

```
                                    <input type="text" name="imePrezime" id="korpa-
imePrezime" class="container brd-none py-3 text-
dark" placeholder="Npr: Jelena Berber">
                            </div>
                            <div>
                                <label for="adresa" class="text-dark mt-2 d-
block">Kontakt Email</label>
                                    <input type="email" name="email" id="korpa-
email" class="container brd-none py-3 text-
dark" placeholder="Npr: moj.email@gmail.com">
                            </div>
                            <div>
                                <label for="adresa" class="text-dark mt-2 d-
block">Adresa i Grad</label>
                                    <input type="text" id="korpa-adresa"
                                    name="adresa" class="container brd-none py-3 text-
dark" placeholder="Npr: Nikole Tesle 16, Nova Varoš">
                            </div>
                            <div class="d-flex align-items-center flex-column py-
3 mt-5">
                                    <input type="submit" name="korpa-submit" id="korpa-
submit" class="btn btn-success" value="Završi porudžbinu">
                            </div>
                            <input type="hidden" id="hidden-medjuzbir" name="hidden-
medjuzbir">
                    </div>

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

</div>
```

3.6 pocetna.php

```
    <div class="p-50-0 prodaja d-flex justify-content-center align-items-center">
        <div class="container-fuid">
            <h4 class="text-center pt-3 text-dark font-weight-
bold">IZDVAJAMO IZ PONUDE</h4>
        </div>
    </div>

    <div id="div-pocetna" class="container-fluid col-10 d-flex justify-content-
around flex-wrap">
```

```
        </div>
        <div class="container d-flex justify-content-around pb-5 mb-5">
            <a href="index.php?page=proizvodi" class="kaProizvodi btn btn-
success">Prikaži sve</a>
        </div>
```

3.7 prijava.php

```
<div class="col-12 pl-0 d-flex justify-content-around flex-wrap naslovna bg-
logovanje">
    <form name="prijava" id="prijava-forma" class="col-8 col-md-4 pt-5 pb-3 bg-
gray" method="POST" action="models/user/login.php">
        <h2 class="col-12 mb-5 text-center">Prijavi se</h2>
        <div class="container-fluid col-12">
            <div>
                <input type="email" name="email" id="email" class="container bord
er-bottom-green  py-3" placeholder="Email">
            </div>
            <div>
                <input type="password" name="password" id="password" class="conta
iner border-bottom-green py-3 mt-2" placeholder="Lozinka">
            </div>
            <div class="d-flex align-items-center flex-column py-3">
                <input type="submit" id="login-button" name="login-
button" class="btn btn-success" value="Prijavi se">
            </div>
        </div>
        <p class='text-center  py-
3'>Nemate nalog?<a href="index.php?page=registracija" class='text-success td-
u'> Registrujte se.</a></p>
        <p class="form-error text-danger"></p>
        <?php
            if(isset($_GET["error"])){
                echo "<p class='alert alert-danger col-9 mt-3 mx-
auto'>".$_GET["error"]."</p>";
            }
            if(isset($_GET["message"])){
                echo "<p class='alert alert-info col-8 mt-3 mx-
auto'>".$_GET["message"]."</p>";
            }
        ?>
    </form>
```

```
</div>
```

3.8 proizvod.php

```php
<?php
    require_once "models/functions.php";

    if(isset($_GET['p_id'])){
        $p_id = $_GET['p_id'];
    }

    $product_obj = getProduct($p_id);
    $product = $product_obj[0];

?>

<div id="detalji-proizvoda" class="col-12 d-flex flex-wrap justify-content-
between">
    <div class="col-12 d-flex flex-wrap justify-content-center">
    <?php
        if(isset($_GET["error"])){
            echo "<p class='alert alert-danger col-12 mt-3 text-
center'>".$_GET["error"]."</p>";
        }
        if(isset($_GET["message"])){
            echo "<p class='alert alert-success col-12 mt-3 text-
center'>".$_GET["message"]."</p>";
        }
    ?>
        <div class="col-10 col-md-7 col-lg-5 d-flex justify-content-center mt-4">
            <img src="assets/img/<?=$product->slika?>" alt="<?=$product-
>naziv?>" class="img-fluid col-12">
        </div>
        <div class="col-10 col-md-5 col-lg-5 mt-4">
            <div class="col-10">
            <?php
                if (isset($_SESSION['user'])):
            ?>
                <?php
                    if ($user->id_uloga == 1):
                ?>
                    <form name="kontakt-form" id="kontakt-form" class="col-
12" method="POST" action="models/admin/change_product.php" enctype="multipart/for
m-data">
                        <h2 class="col-12 mb-5">Izmeni proizvod</h2>
```

```html
<div class="container-fluid col-12">
    <div>
        <label class="mb-0 text-danger">Nova slika: </label>
        <input type="file" name="slika-proizvod" class="mb-3" />
    </div>
    <div>
        <label class="mb-0 text-danger">Novi naziv: </label>
        <input type="text" name="naziv" id="naziv" class="mb-3" value="<?=$product->naziv?>">
    </div>
    <div>
        <label class="mb-0 text-danger">Novi opis: </label>
        <textarea name="opis" id="opis" cols="22" maxlength="200" rows="6" class="container mb-3"><?=$product->opis?></textarea><br>
    </div>
    <div class="mb-3">
        <label class="mb-0 text-danger">Količina: </label>
        <h6 class="text-muted d-inline"><?=$product->kolicina?> <?=stringMernaJedinica($product->merna_jedinica)?></h6>
    </div>
    <div>
        <label class="mb-0 text-danger">Nova cena: </label>
        <input type="number" name="cena" id="cena" class="col-7 mb-3" value="<?=$product->cena?>"> RSD
    </div>
    <div class="d-flex justify-content-around flex-wrap py-1">
        <input type="submit" id="proizvod-izmena-button" name="proizvod-izmena-button" class="btn btn-success border-none mt-3 mx-0" value="Sačuvaj izmene">
        <input type="button" id="proizvod-ukloni-button" data-id="<?=$p_id?>" name="proizvod-ukloni-button" class="btn btn-danger border-none mt-3 col-12" value="Ukloni iz ponude">
    </div>
    <p id="proizvod-change-info" class='alert col-9 mt-3 mx-auto'></p>

    </div>
</div>
```

```php
                            <input type="hidden" name="hidden-id-
pa" value="<?=$p_id?>">
                            <input type="hidden" name="hidden-id-
pr" value="<?=$product->id_proizvod?>">
                    </form>

            <?php
                endif;
            ?>

        <?php
            else:
        ?>
            <h5 class="text-muted mb-5"><?=$product->naziv_kategorije?></h5>
            <h2 class="text-dark mb-5"><?=$product->naziv?></h2>
            <p class="text-muted mb-5"><?=$product->opis?></p>
            <h6 class="text-muted mb-1"><?=$product-
>kolicina?> <?=stringMernaJedinica($product->merna_jedinica)?></h6>
            <h4 class="card-text font-weight-bold text-dark mb-
5"><?=$product->cena?>,00 rsd</h4>
            <a href="#" class="btn btn-success border-none m3-
5 dodajUKorpu">Dodaj u korpu</a>
        <?php
            endif;
        ?>

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

3.9 proizvodi.php

```php
<?php
    require_once "models/functions.php";

    $products = getProductsWidthLimit();
?>

<div id="proizvodi" class="min-vh-100 container-fluid m-0-auto p-50-0 d-
flex justify-content-around">
        <div class="col-xl-10">
            <div class="col-12">
                <div class="col-12 col-md-10 float-right ">
                    <div class="col-md-5 col-12 float-right pl-0">
```

```html
                            <h2>SORTIRANJE</h2>
                            <select class="custom-select mb-5 border-
success" id="sort">

                                <option value="naziv asc" selected="">Po nazivu A-
Z</option>

                                <option value="naziv desc">Po nazivu Z-A</option>
                                <option value="cena desc">Prvo najskuplje</option>
                                <option value="cena asc">Prvo najjeftinije</option>
                            </select>
                    </div>
                    <div class="col-md-5 col-12 float-right pl-0">
                            <h2>PRETRAGA</h2>
                            <ul class="list-group mb-5 col-12 p-0" >
                                <li class="list-group-item border-success">
                                    <input type="search" class="border-0 col-
12" id="search" name="pretraga" placeholder="Pretraži po nazivu...">
                                </li>
                            </ul>
                    </div>
            </div>

            <div class="row col-12">
                <div class="col-md-3">
                    <h2>KATEGORIJE</h2>
                    <ul class="list-group mb-5 col-12 p-0" id="kategorije">

                        <?php

                            $kategorije = getSelectQuery("SELECT * FROM kateg
orija");

                            foreach ($kategorije as $key => $kategorija) :
                        ?>
                            <li class="list-group-item border border-0">
                                <input type="checkbox" value="<?=$kategorija-
>id_kategorija?>" class="" name="kategorije"/> <?=$kategorija->naziv?>
                            </li>
                        <?php
                            endforeach;
                         ?>
                    </ul>

                    <!--CENA-->
                    <h2>CENA</h2>
                    <ul class="list-group mb-5 col-12 p-0" id="cena">
```

```html
                        <li class="list-group-item border border-0">
                            <input type="checkbox" value="0 500" class="zanr"
 name="zanrovi"/> 0 - 500
                        </li>
                        <li class="list-group-item border border-0">
                            <input type="checkbox" value="500 1000" class="za
nr" name="zanrovi"/> 500 - 1000
                        </li>
                        <li class="list-group-item border border-0">
                            <input type="checkbox" value="1000 2000" class="z
anr" name="zanrovi"/> 1000 - 2000
                        </li>
                        <li class="list-group-item border border-0">
                            <input type="checkbox" value="2000 5000" class="z
anr" name="zanrovi"/> 2000  - 5000
                        </li>
                    </ul>
                </div>

                <!--ISPIS PROIZVODA-->
                <div class="col-md-9 p-0 ">
                    <div id="div-proizvodi" class="p-0 container-fluid col-
12 d-flex flex-wrap justify-content-start">

                    </div>
                    <!-- pagination -->
                    <?php

                        $brStranica = countPages();
                    ?>
                    <div id="paginacija" class="row">
                        <div class="col-12 d-flex justify-content-around">
                            <ul id="pagination" class="pagination">

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

3.10 registracija.php

```html
<div class="col-12 pl-0 d-flex justify-content-around naslovna bg-logovanje">
    <form name="registracija" id="registracija-forma" class="col-8 col-md-4  pt-5 pb-3 bg-gray" method="POST" action="models/user/register.php">
        <h2 class="col-12 mb-5 text-center">Registruj se</h2>
        <div class="container-fluid col-12">

            <p class='text-danger'><small>*Sva polja su obavezna.</small></p>

            <div>
                <input type="text" name="firstName" id="firstName" class="container border-bottom-green  py-3" placeholder="Ime">
            </div>
            <div>
                <input type="text" name="lastName" id="lastName" class="container border-bottom-green  py-3 mt-2" placeholder="Prezime">
            </div>
            <div>
                <input type="email" name="email" id="email" class="container border-bottom-green  py-3 mt-2" placeholder="Email">
            </div>
            <div>
                <input type="password" name="password" id="password" class="container border-bottom-green py-3 mt-2" placeholder="Lozinka">
            </div>
            <div>
                <input type="password" name="confirm-password" id="confirm-password" class="container border-bottom-green py-3 mt-2" placeholder="Potvrda lozinke">
            </div>
            <div class="d-flex align-items-center flex-column py-3">
                <input type="submit" name="register-button" id="register-button" class="btn btn-success" value="Registruj se">
            </div>
        </div>
        <p class='text-center'>Imate nalog?<a href="index.php?page=prijava" class='text-success td-u'> Prijavi se.</a></p>
        <?php
        if(isset($_GET["error"])){
            echo "<p class='alert alert-danger col-9 mt-3 mx-auto'>".$_GET["error"]."</p>";
        }
```

```php
            if(isset($_GET["message"])){
                echo "<p class='alert alert-info col-8 mt-3 mx-
auto'>".$_GET["message"]."</p>";
            }
        ?>
    </form>
</div>
```

3.11 head.php

```php
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Kafeterija Praktikum PHP</title>
    <link rel="shortcut icon" href="assets/img/kafeterija_icon.ico" type="image/i
co">
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/
css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
        crossorigin="anonymous"/>
    <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.12.1/css
/all.css">
    <meta name="keywords" content="kafeterija, prodaja, shop, online, esspreso"/>
    <meta name="description" content="Dobrodošli u Kafeterijin svet! Najbolja pon
uda espreso kafa iz svih krajeva sveta na jednom mestu. Stalni popust za sve onli
ne porudžbine. Jedan klik Vas deli od najbolje kafe!">

</head>
<body>
```

3.12 footer.php

```php
<div class="col-9 mx-auto d-flex flex-wrap justify-content-around border-top mt-
5">
    <div class="col-sm-3 pt-5  text-center">
        <h3 calss="text-white">MENI</h3>
        <ul id="footer-meni-ul" class="navbarMenu-ul navbar-nav container d-
inline">
```

```html
            <li class="nav-item"><a href="index.php?page=pocetna" class="nav-
link text-secondary">Pocetna</a></li>
            <li class="nav-item"><a href="index.php?page=proizvodi" class="nav-
link text-secondary">Proizvodi</a></li>
            <li class="nav-item"><a href="index.php?page=kontakt" class="nav-
link text-secondary">Kontakt</a></li>
            <li class="nav-item"><a href="index.php?page=autor" class="nav-
link text-secondary">Autor</a></li>
        </ul>
    </div>
    <div class="col-sm-3 pt-5  text-center">
        <h3 calss="text-white">LINKOVI</h3>
        <ul id="links" class="navbarMenu-ul navbar-nav container">

            <li class="nav-item"><a href="dokumentacija.pdf" class="nav-
link text-secondary">Dokumentacija</a></li>
            <li class="nav-item"><a href="assets/js/main.js" class="nav-
link text-secondary">JavaScript</a></li>
        </ul>
    </div>
    <div class="col-sm-3 col-10 pt-5 text-center">
        <a href="index.php?page=pocetna"><img class="img-fluid pt-4 pb-
4" src="assets/img/kafeterija_logo.png" alt="Kafeterija logo"></a>
        <p class="cena">Đorđe Minić 135 <mark>/</mark> 19</p>
    </div>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popp
er.min.js" integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
        crossorigin="anonymous"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min
.js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
        crossorigin="anonymous"></script>
    <script src="assets/js/main.js"></script>
</body>
</html>
```

3.13 nav.php

```html
<nav class="navbar navbar-expand-sm navbar-dark d-flex justify-content-around">
    <div id="responsive-meni" class="w-100 position-absolute d-md-none">
        <ul id="responsive-meni-ul" class="navbarMenu-ul bg-light w-100 text-
center">
```

```html
                <li class="nav-item"><a href="index.php?page=pocetna" class="nav-
link text-secondary">Početna</a></li>
                <li class="nav-item"><a href="index.php?page=proizvodi" class="nav-
link text-secondary">Proizvodi</a></li>
                <li class="nav-item"><a href="index.php?page=kontakt" class="nav-
link text-secondary">Kontakt</a></li>
                <li class="nav-item"><a href="index.php?page=autor" class="nav-
link text-secondary">Autor</a></li>
            </ul>
        </div>
        <button class="navbar-toggler">
            <span class="navbar-toggler-icon"></span>
        </button>
        <a href="index.php?page=pocetna" class="navbar-brand col-4 col-lg-
3"><img src="assets/img/kafeterija_logo.png" class="img-
fluid" alt="Kafeterija logo"/></a>
        <div class="collapse navbar-collapse nav-pills col-lg-4 col-xl-3 border-
left border-right" id="navbarMenu">
            <ul id="nav-meni-ul" class="navbarMenu-ul navbar-nav container justify-
content-around">
            <li class="nav-item"><a href="index.php?page=pocetna" class="nav-
link text-secondary">Početna</a></li>
                <li class="nav-item"><a href="index.php?page=proizvodi" class="nav-
link text-secondary">Proizvodi</a></li>
                <li class="nav-item"><a href="index.php?page=kontakt" class="nav-
link text-secondary">Kontakt</a></li>
                <li class="nav-item"><a href="index.php?page=autor" class="nav-
link text-secondary">Autor</a></li>
            </ul>
        </div>
        <a id="korpaLink"  href="index.php?page=korpa" class='bg-light text-dark'>
            <button type="button" id="korpa" class="btn btn-lg btn-white">
                <span class="fa fa-shopping-cart" aria-hidden="true"></span>
                <span class="cart-count ml-2">0</span>
            </button>
        </a>
</nav>
<div class="help"></div>
<div id="log-div" class="container col-11 border-top pt-2">
    <ul class="float-right d-flex justify-content-around">
        <?php
            if ($user):
        ?>

            <?php
```

```php
            if ($user->id_uloga == 1):
        ?>
            <li><a href="index.php?page=admin" class="nav-link text-
success">Admin</a></li>
            <?php
                else:
        ?>
            <li><p class="nav-link text-success"><?=$user->ime?></p></li>
            <?php
                endif;
        ?>

            <li><a href="models/user/logout.php" class="nav-link text-
secondary border-left">Odjavi se</a></li>

    <?php
        else:
    ?>

    <li><a href="index.php?page=prijava" class="nav-link text-
secondary">Prijavi se</a></li>
    <li><a href="index.php?page=registracija" class="nav-link text-
secondary border-left">Registracija</a></li>

    <?php
        endif;
    ?>
    </ul>
</div>
```

4. Kodovi logike
4.1 models/functions.php

```php
<?php

function checkSession(){

    session_start();
    global $user;
    if(isset($_SESSION["user"])){
        $user = $_SESSION["user"];
    }
```

```php
}

function getPageInfo($page)
{
    $stringPage = $page;
    try {

        global $conn;

        $query = "SELECT * FROM stranice WHERE naziv_stranice = :pageName ";
        $stat = $conn->prepare($query);
        $stat->bindParam(":pageName", $stringPage);
        $stat->execute();

        $rez = $stat->fetchAll();

        return $rez;
    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}

function createLog($filename, $message){
    global $user;

    $_user = "Guest";
    $role = "";
    if($user){
        $_user = $user->ime;
    }

    $url = $_SERVER["PHP_SELF"];
    $ip = $_SERVER["REMOTE_ADDR"];
    $time = date("Y-m-d H:i:s");
    if(isset($_GET["page"])) {
        $page = $_GET["page"];
    }
    else{
        $page = "no page";
    }

    $line = "$time\n$_user\n$ip\n$url\n$page\n$message\n_____
_____\n\n";
```

```php
        file_put_contents($filename, $line, FILE_APPEND);
}

function getSelectQuery($string, $fetchString = "fetchAll")
{
    if ($fetchString == "fetch") {
        try {

            global $conn;

            $query = $string;
            return $conn->query($query)->fetch();

        } catch (PDOException $ex) {
            createLog(ERROR_LOG_FAJL, $ex->getMessage());
            return false;
        }

    }
    else {
        try {

            global $conn;

            $query = $string;
            return $conn->query($query)->fetchAll();

        } catch (PDOException $ex) {
            createLog(ERROR_LOG_FAJL, $ex->getMessage());
            return false;
        }
    }

}

function getProduct($id)
{
    global $conn;

    try {
        $result = $conn-
>prepare("SELECT (SELECT naziv FROM kategorija k WHERE k.id_kategorija = pr.id_ka
tegorija) AS naziv_kategorije, pr.id_proizvod, pr.naziv, pr.opis, pa.kolicina, pa
```

```php
.merna_jedinica, pa.cena, pa.slika FROM proizvod pr INNER JOIN pakovanje pa ON pa
.id_proizvod = pr.id_proizvod WHERE pa.id_pakovanje = ?");
        $result->execute([$id]);
        return $result->fetchAll();


    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}

// product

function disable_product($id)
{
    global $conn;

    try {
        $disable = $conn-
>prepare("UPDATE pakovanje SET aktivan = 0 WHERE id_pakovanje = ?");
        $result = $disable->execute([$id]);

        return $result;
    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}

function change_product($idPa, $idPr, $title, $description, $price)
{
    global $conn;

    try {
        $change1 = $conn-
>prepare("UPDATE pakovanje SET cena = ? WHERE id_pakovanje = ?");
        $result1 = $change1->execute([$price, $idPa]);

        $change2 = $conn-
>prepare("UPDATE proizvod SET naziv = ?, opis = ? WHERE id_proizvod = ?");
        $result2 = $change2->execute([$title, $description, $idPr]);

        return $result1 && $result2;
    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
```

```php
        return false;
    }
}

function stringMernaJedinica($dbString)
{
    if ($dbString == "gram") {
        return "g";
    }
    elseif($dbString == "kilogram") {
        return "kg";
    }
    elseif($dbString == "mililitar") {
        return "ml";
    }
    return $dbString;

}

// pagination

define ("OFFSET", 6);
function getProductsWidthLimit($limit = 0)
{
    global $conn;

    $lim = $limit * 6;

    $query = "SELECT * FROM pakovanje pak INNER JOIN proizvod pro ON pak.id_proiz
vod = pro.id_proizvod LIMIT :limit, :offset";
    $select = $conn->prepare($query);

    $limit = ((int) $limit * OFFSET);
    $select->bindParam(":limit", $limit, PDO::PARAM_INT);

    $offset = OFFSET;
    $select->bindParam(":offset", $offset, PDO::PARAM_INT);

    $select->execute();
    $products = $select->fetchAll();

    return $products;
}

function countPages()
```

```php
{
    $countProducts = getSelectQuery("SELECT COUNT(*) as broj FROM pakovanje", "fe
tch");
    $countPages = ceil($countProducts->broj / OFFSET);

    return $countPages;
}

//cart

function add_to_cart($userId, $productId)
{
    global $conn;

    try {

        $productInCart = isInCart($userId, $productId);
        if ($productInCart) {
            $quantity = $productInCart[0]->kolicina + 1;
            $update = $conn-
>prepare("UPDATE stavka_korpe SET kolicina = ? WHERE id_stavka_korpe = ?");
            $result = $update->execute([$quantity, $productInCart[0]-
>id_stavka_korpe]);
        }
        else {
            $quantity = 1;
            $exec = $conn-
>prepare("INSERT INTO stavka_korpe(id_korisnik, id_pakovanje, kolicina) VALUES (?
, ?, ?)");
            $result = $exec->execute([$userId, $productId, $quantity]);
        }

        return $result;
    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}

function isInCart($userId, $productId) {
    global $conn;

    $select = $conn-
>prepare("SELECT * FROM stavka_korpe WHERE id_korisnik = ? AND id_pakovanje = ?")
;
```

```php
    $select->execute([$userId, $productId]);
    return $select->fetchAll();
}

function getCartQuantity($userId) {
    global $conn;

    $select = $conn-
>prepare("SELECT IFNULL(SUM(kolicina), 0) as kolicina FROM stavka_korpe WHERE id_
korisnik = ?");
    $select->execute([$userId]);
    $result = $select->fetch();
    $quantity = $result->kolicina;

    return $quantity;
}

function getCartProducts($userId)
{
    global $conn;

    $select = $conn-
>prepare("SELECT sk.id_stavka_korpe, sk.kolicina, pr.naziv, pa.cena, pa.slika_uma
njena as slika_umanjena FROM stavka_korpe sk INNER JOIN pakovanje pa ON sk.id_pak
ovanje = pa.id_pakovanje INNER JOIN proizvod pr ON pr.id_proizvod = pa.id_proizvo
d WHERE id_korisnik = ?");
    $select->execute([$userId]);
    $result = $select->fetchAll();

    return $result;
}

function delete_from_cart($id, $string)
{
    global $conn;

    try {
        $string == "user" ? $query = "DELETE FROM stavka_korpe WHERE id_korisnik
= ?" : $query = "DELETE FROM stavka_korpe WHERE id_stavka_korpe = ?";

        $delete = $conn->prepare($query);
        $result = $delete->execute([$id]);

        return $result;
    } catch (PDOException $ex) {
```

```php
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}

function quantity_change($articleid, $newValue)
{
    global $conn;

    try {

        $delete = $conn-
>prepare("UPDATE stavka_korpe SET kolicina = ? WHERE id_stavka_korpe = ?");
        $result = $delete->execute([$newValue, $articleid]);

        return $result;
    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}


// ADMIN

function get_statistic($today){

    ($today == "today") ? $today=true : $today=false;


    $page_stats = [];
    $users = [];
    $count = 0;

    $log_file = fopen(LOG_FAJL, "r");
    if($log_file) {

        $size = filesize(LOG_FAJL);
        while (!feof($log_file)) {

            $line = stream_get_line($log_file, $size, "\n\n");
            if(!trim($line)){
                continue;
            }
```

```php
            list($timestamp, $username, $ip, $url, $target) = explode("\n", $line
);

            if($target == "no page"){
                continue;
            }
            if($today){
                $min = strtotime("today 00:00:01");
                if(strtotime($timestamp) < $min){
                    continue;
                }

                if($username != "Guest" && !in_array($username, $users)){
                    $users []= $username;
                }
            }
            $count++;

            if(isset($page_stats[$target])){
                $page_stats[$target]++;

            }
            else {
                $page_stats[$target] = 1;
            }
        }
        fclose($log_file);
        arsort($page_stats);
    }

    return ["page_percentages"=>get_page_view_percentages($page_stats, $count), "
users"=>$users];
}

function get_page_view_percentages($page_stats, $total){
    if($total == 0){
        return $page_stats;
    }
    foreach($page_stats as $i=>$value){
        $page_stats[$i] = number_format($value / $total * 100, 1);
    }

    return $page_stats;
}
```

```php
function get_messages(){
    global $conn;

    try {
        return getSelectQuery("SELECT * FROM poruka");

    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}

function disable_user($id, $action)
{
    global $conn;

    try {
        $action == "deact" ? $a = 0 : $a = 1;

        $disable = $conn-
>prepare("UPDATE korisnik SET aktivan = ? WHERE id_korisnik = ?");
        $result = $disable->execute([$a, $id]);

        return $result;
    } catch (PDOException $ex) {
        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        return false;
    }
}

//image code

function get_image_resource($path, $ext){

    switch($ext){
        case "jpg":
        case "jpeg":
            $image = imagecreatefromjpeg($path);
            break;
        case "png":
            $image = imagecreatefrompng($path);
            break;
        default:
            $image = false;
    }
```

```php
        return $image;
}

function create_image_from_resource($image, $new_filename, $ext){


        $new_path = ABSOLUTE_PATH."/assets/img/$new_filename";
        switch($ext){
                case "jpg":
                case "jpeg":
                        return imagejpeg($image, $new_path);
                case "png":
                        return imagepng($image, $new_path);
        }
}

function create_image($tmp_filename, $ext){

        $image = get_image_resource($tmp_filename, $ext);

        $width = imagesx($image);
        $height = imagesy($image);

        if($width > 600){
                $new_height = 600 * $height / $width;
                $new_image = imagecreatetruecolor(600, $new_height);
                imagecopyresampled($new_image, $image, 0,0,0,0, 600, $new_height, $width,
 $height);
                imagedestroy($image);
                $image = $new_image;
        }
        elseif($height > 600){
                $new_width = 600 * $width / $height;
                $new_image = imagecreatetruecolor($new_width, 600);
                imagecopyresampled($new_image, $image, 0,0,0,0, $new_width, 600, $width,
 $height);

                imagedestroy($image);
                $image = $new_image;
        }

        $new_filename = str_replace(" ","", microtime()).".".$ext";
        create_image_from_resource($image, $new_filename, $ext);
        imagedestroy($image);
```

```php
        return $new_filename;

}

function create_thumbnail($tmp_filename, $ext){


    $image = get_image_resource($tmp_filename, $ext);


    $width = imagesx($image);
    $height = imagesy($image);

    if($width > 300){

        $new_height = 300 * $height / $width;
        $new_image = imagecreatetruecolor(300, $new_height);
        imagecopyresampled($new_image, $image, 0,0,0,0, 300, $new_height, $width,
 $height);

        imagedestroy($image);
        $image = $new_image;
    }

    $new_filename = str_replace(" ","", microtime())."-thumbnail.$ext";
    create_image_from_resource($image, $new_filename, $ext);
    imagedestroy($image);

    return $new_filename;
}
```

4.2 models/admin

4.2.1 change_product.php

```php
<?php

include_once "../../config/connection.php";

if(!($user && $user->id_uloga == 1)){
    header("Location: ../../index.php?page=pocetna");
    die();
}

if (!isset($_POST['proizvod-izmena-button'])) {
```

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


    //slika
    $tmp_name = $_FILES["slika-proizvod"]["tmp_name"];
    $filename = $_FILES["slika-proizvod"]["name"];
    $size = $_FILES["slika-proizvod"]["size"];

    $idPa = $_POST['hidden-id-pa'];
    $idPr = $_POST['hidden-id-pr'];
    $title =  $_POST["naziv"];
    $description = $_POST["opis"];
    $_POST["cena"] == "" ? $price = 0 : $price = $_POST["cena"];

    if($filename == ""){
        $error = "Greška pri unosu Fajla.";
        header("Location: ../../index.php?page=proizvod&p_id=".$idPa."&error=".$e
rror);
        die();
    }
    if($size > 3 * 1024 * 1024){
        $error = "Slika mora biti manja od 3MB.";
        header("Location: ../../index.php?page=proizvod&p_id=".$idPa."&error=".$e
rror);
        die();
    }

    $ext = pathinfo($filename, PATHINFO_EXTENSION);
    $extension_allowed = ["jpg", "jpeg", "png"];
    if(!in_array($ext, $extension_allowed)){
        $error = "Slika mora biti nekog od sledecih formata: jpg, jpeg, png";
        header("Location: ../../index.php?page=proizvod&p_id=".$idPa."&error=".$e
rror);
        die();
    }

    $new_filename = create_image($tmp_name, $ext);
    $new_thumbnail_filename = create_thumbnail($tmp_name, $ext);

    if($new_filename && $new_thumbnail_filename){

        try {
            $update = $conn-
>prepare("UPDATE pakovanje SET slika = ?, slika_umanjena = ? WHERE id_pakovanje =
 ?");
```

```php
            $result = $update-
>execute([$new_filename, $new_thumbnail_filename, $idPa]);


            if($result){

                if (change_product($idPa, $idPr, $title, $description, $price)) {
                    $message = "Proizvod je uspešno ažuriran.";
                    header("Location: ../../index.php?page=proizvod&p_id=".$idPa.
"&message=".$message);
                }
                else {
                    $error = "Greška pri komunikaciji sa serverom, probajte kasni
je ponovo.";
                    header("Location: ../../index.php?page=proizvod&p_id=".$idPa.
"&error=".$error);
                    die();
                }
            }
            else {
                $error = "Greška pri azuriranju slike.";
                header("Location: ../../index.php?page=proizvod&p_id=".$idPa."&er
ror=".$error);
                die();
            }


        }
        catch(PDOException $ex){
            $error = "Failed to change the cover.";
            create_log(ERROR_LOG_FILE, $ex->getMessage());
            header("Location: ../../index.php?page=admin&panel=covers&error=$erro
r");
        }
    }
    else {
        $error = "Greška pri kreiranju slike.";
        header("Location: ../../index.php?page=proizvod&p_id=".$idPa."&error=".$e
rror);
    }
```

4.2.2 disable_product.php

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

    if (!isset($_POST["id"])) {
        header("Location: index.php?page=home");
        die();
    }

    $id = $_POST["id"];

    if (disable_product($id)) {
        http_response_code(200);
        echo json_encode(true);
    }
    else {
        http_response_code(500);
        echo json_encode(falsw);
    }
```

4.2.3 disable_user.php

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

    if (!isset($_POST["id"])) {
        header("Location: index.php?page=home");
        die();
    }

    $id = $_POST["id"];
    $action = $_POST["action"];

    if (disable_user($id)) {
        http_response_code(200);
        echo json_encode(true);
    }
    else {
        http_response_code(500);
        echo json_encode(falsw);
    }
```

4.2.4 export_to_excel.php

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


    if(!($user && $user->id_uloga == 1)){
        header("Location: ../../index.php?page=pocetna");
        die();
    }

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


    $statistic = get_statistic("all");

    $string_excel = '
        <table>
            <thead>
                <tr>
                    <th>#</th>
                    <th>Stranica</th>
                    <th>Posecenost</th>
                </tr>
            </thead>
        <tbody>';

        $i = 1;
        foreach($statistic["page_percentages"] as $key=>$value){

            $string_excel .= '
            <tr>
                <th>'.$i.'</th>
                <td>'.$key.'</td>
                <td>'.$value.' %</td>
            </tr>';$i++;
        }
        $string_excel .= '
            </tbody>
        </table>';

    echo $string_excel;
```

4.3 models/author

4.3.1 export_word.php

```php
<?php

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

    $text_word = "<table>
        <thead>
            <tr>
                <th>Đorđe Minić 135/19</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>Student sam Visoke ICT škole u Beogradu. U Novoj Varoši sam z
avršio muzičku školu, ali kada sam zakoračio u svet programiranja shvatio sam da
sam na pravom putu. Pored znatiželje i volje da unapredim i poboljšam moje znanje
 iz oblasti IT, takođe, sve više sam zainteresovan za nove izazove i rad u oblasti
 grafičkog dizajna. Kontaktirajte me, otvoren za saradnju i nove projekte.</td>
            </tr>
            <tr>
                <td> Za više informacija kao i uvid u moje dosadašnje projekte i
znanje posetite moj Linkedin nalog ili portfolio!</td>
            </tr>
            <tr>
                <td><a href=\"https://petupolaslukom.github.io/Portfolio/\"> Port
folio </a>.</td>
            </tr>
            <tr>
                <td>Mreže:</td>
            </tr>
            <tr>
                <td><a href=\"https://github.com/PetUpolaSlukom\"> GitHub </a></t
d>
            </tr>
            <tr>
            <td>
                <a href=\"https://www.linkedin.com/in/djordje-minic-
088343198/\"> LinkedIn </a>.</td>
            </tr>
            </tbody>
    </table>";
```

```
    echo $text_word;
```

4.4 models/cart

4.4.1 add_to_cart.php

```php
<?php
    if ($_SERVER['REQUEST_METHOD'] == 'POST') {
        require_once "../../config/connection.php";
        require_once "../functions.php";

        $userId = $_POST['userId'];
        $productId = $_POST['productId'];


        if (add_to_cart($userId, $productId)) {
            http_response_code(200);
            echo json_encode("Uspesno dodato!");
        }
        else {
            http_response_code(500);
            echo json_encode("Doslo je do grske, pokusajte malo kasnije.");
        }
    }
    else {
        http_response_code(400);
    }
```

4.4.2 cart_quantity.php

```php
<?php

    $response = 0;
    require_once('../../config/connection.php');
    require_once('../functions.php');
    if (isset($_SESSION['user'])) {
        $response = getCartQuantity($_SESSION["user"]->id_korisnik);
    }


    http_response_code(200);
    echo json_encode($response);
?>
```

4.4.3 change_quantity_of_item.php

```php
<?php
    if ($_SERVER['REQUEST_METHOD'] == 'POST') {
        require_once "../../config/connection.php";
        require_once "../functions.php";

        $articleid = $_POST['articleId'];
        $newValue = $_POST['newValue'];

        if (quantity_change($articleid, $newValue)) {
            http_response_code(200);
            echo json_encode("Uspesno promenjena kolicina!");
        }
        else {
            http_response_code(500);
            echo json_encode("Doslo je do grske, pokusajte malo kasnije.");
        }
    }
    else {
        http_response_code(400);
    }
```

4.4.4 delete_from_cart.php

```php
<?php
    if ($_SERVER['REQUEST_METHOD'] == 'POST') {
        require_once "../../config/connection.php";
        require_once "../functions.php";

        if(isset($_POST['articleId'])){
            $id = $_POST['articleId'];
            $string = "article";
        }else{
            $id = $_POST['userId'];
            $string = "user";
        }


        if (delete_from_cart($id, $string)) {
            http_response_code(200);
            echo json_encode("Uspesno obrisano!");
        }
        else {
            http_response_code(500);
```

```
            echo json_encode("Doslo je do grske, pokusajte malo kasnije.");
        }
    }
    else {
        http_response_code(400);
    }
```

4.4.5 load_cart.php

```php
<?php

    require_once('../../config/connection.php');
    require_once('../functions.php');

    $response = getCartProducts($_SESSION["user"]->id_korisnik);

    http_response_code(200);
    echo json_encode($response);
?>
```

4.4.5 order.php

```php
<?php

include_once "../../config/connection.php";

if (!isset($_POST["korpa-submit"])) {
    header("Location: ../../index.php?page=pocetna");
}
else {
    $regFullName = "/^[A-ZŠĐŽĆČ][a-zšđžćč]{2,15}(\s[A-ZŠĐŽĆČ][a-zšđžćč]{2,15}){0,2}$/";
    if(!preg_match($regFullName, $_POST["imePrezime"])){
        header("Location: ../../index.php?page=korpa&error=Neispravno%20ime%20i%20prezime.");
        die();
    }

    $regEmail = "/^[a-z]((\.|-|_)?[a-z0-9]){2,}@[a-z]((\.|-|_)?[a-z0-9]+){2,}\.[a-z]{2,6}$/i";
    if(!preg_match($regEmail, $_POST["email"])){
        header("Location: ../../index.php?page=korpa&error=Neispravan%20email.");
        die();
    }

    $regAddress = "/^[\w\.]+(,?\s[\w\.]+){2,8}$/";
```

```php
    if(!preg_match($regAddress, $_POST["adresa"])){
        header("Location: ../../index.php?page=korpa&error=Neispravna%20adresa.")
;

        die();
    }

    $user = $_SESSION['user'];
    $userId = $user->id_korisnik;

    $fullName = $_POST["imePrezime"];
    $email = $_POST["email"];
    $address = $_POST["adresa"];
    $total_price = $_POST["hidden-medjuzbir"];


    try {
        $query = $conn-
>prepare("INSERT INTO porudzbina(id_korisnik, ime_prezime, kontakt_email, adresa,
 ukupna_cena) VALUES(?,?,?,?,?)");
        $result = $query-
>execute([$userId, $fullName, $email, $address, $total_price]);
        if ($result) {
            $message = "Uspešno realizovana porudzbina. Ocekujte isporuku u nared
na 4 dana.";
            delete_from_cart($userId, "user");
            header("Location: ../../index.php?page=korpa&message=".$message);
        }
        else {
            $error = "Greška na serveru. Molimo pokušajte malo kasnije.";
            header("Location: ../../index.php?page=korpa&error=".$error);
        }
    } catch (PDOException $ex) {


        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        $error = "Greška pri komunikaciji sa serverom, probajte kasnije ponovo.";
        header("Location: ../../index.php?page=korpa&error=".$error);
        die();
    }
}
```

4.5 models/contact

4.5.1 contact.php

```php
<?php

include_once "../../config/connection.php";

if (!isset($_POST['kontakt-button'])) {
    header("Location: ../../index.php?page=pocetna");
}
else {
    $regFullName = "/^[A-ZŠĐŽĆČ][a-zšđžćč]{2,15}(\s[A-ZŠĐŽĆČ][a-
zšđžćč]{2,15}){0,2}$/";
    if(!preg_match($regFullName, $_POST["name"])){
        header("Location: ../../index.php?page=kontakt&error=Neispravno%20ime%20i
%20prezime.");
        die();
    }

    $regEmail = "/^[a-z]((\.|-|_)?[a-z0-9]){2,}@[a-z]((\.|-|_)?[a-z0-
9]+){2,}\.[a-z]{2,6}$/i";
    if(!preg_match($regEmail, $_POST["email"])){
        header("Location: ../../index.php?page=kontakt&error=Neispravan%20email."
);
        die();
    }

    $name =  $_POST["name"];
    $email = $_POST["email"];
    $tekst = $_POST["text"];


    try {
        $query = $conn-
>prepare("INSERT INTO poruka(ime_prezime_korisnika, email, tekst) VALUES(?,?,?)")
;
        $result = $query->execute([$name, $email, $tekst]);
        if ($result) {

            $message = "Poruka je uspešno prosleđena.";
            header("Location: ../../index.php?page=kontakt&message=".$message);
        }
        else {

            $error = "Greška na serveru. Molimo pokušajte malo kasnije.";
            header("Location: ../../index.php?page=kontakt&error=".$error);
```

```
        }
    } catch (PDOException $ex) {


        createLog(ERROR_LOG_FILE, $ex->getMessage());
        $error = "Greška pri komunikaciji sa serverom, probajte kasnije ponovo.";
        header("Location: ../../index.php?page=kontakt&error=".$error);
        die();
    }
}
```

4.6 modesl/products

4.6.1 get_focus_products.php

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

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

    try {

        $products = getSelectQuery("SELECT * FROM pakovanje pak INNER JOIN proizv
od pro ON pak.id_proizvod = pro.id_proizvod WHERE uFokusu =1");


        if(!$products){
            $products = [];
        }

        $response_code = 200;

    } catch (PDOException $ex) {

        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        $products = [];
        $response_code = 500;
    }

    echo json_encode(["products"=>$products]);
    http_response_code($response_code);
```

4.6.2 get_products.php

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


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

    $sort = isset($_GET["sort"]) ? $_GET["sort"] : "naziv asc";
    $category = isset($_GET["category"]) ? $_GET["category"] : false;
    $price = isset($_GET["price"]) ? $_GET["price"] : false;
    $search = isset($_GET["search"]) ? trim($_GET["search"]) : false;
    $page = isset($_GET["limit"]) ? $_GET["limit"] : 0;
    $pagination = 6;
    $stringQuery = "";
    $params_array = [];


    multi_value_filter($category, "id_kategorija");
    multi_value_filter($price, "cena");

    function multi_value_filter($input, $column){
        global  $stringQuery, $params_array;

        if($input){

            if ($column == "cena") {
                $priceString = "";
                $array = array_map("between", explode(", ",$input));

                $stringQuery .= createPriceString($array);
            }

            if($column == "id_kategorija") {
                $array = array_map("toInt", explode(",",$input));
                $q_marks = implode(",", array_fill(0, count($array), "?"));

                //whereOrAnd($whatAboutWhere);

                $stringQuery .= " AND $column IN (".$q_marks.")";
                $params_array = array_merge($params_array, $array);
            }

        }
    }
```

```php
    function createPriceString($array)
    {
        $priceString = " AND (cena BETWEEN ";
        foreach ($array as $key => $value) {
            if ($key != 0) {
                $priceString .= " OR cena BETWEEN ";
            }
            $priceString .= "$value[0] AND $value[1]";
        }
        $priceString .= ")";
        return $priceString;
    }

    // array_map functions
    function between($priceArray)
    {
        return array_map("toInt", explode(" ",$priceArray));
    }
    function toInt($intString){
        return (int) $intString;
    }



    if($search != ""){
        global $stringQuery, $params_array;

        $stringQuery .= " AND LOWER(naziv) LIKE ?";
        $params_array []= "%$search%";
    }
    if($sort != ""){
        global $stringQuery;

        $type = explode(" ", $sort)[0];
        $direction = explode(" ", $sort)[1];

        if(in_array($type, ["naziv", "cena"]) && in_array($direction, ["asc", "de
sc"])){

            $stringQuery .= " ORDER BY $type $direction";
        }
    }
    // pagination
    $start_limit = ((int)$page) * (int)$pagination;
```

```php
    $stringQueryLimit = $stringQuery . " LIMIT $start_limit, $pagination";


    $count = 0;

    try {


        $query = "SELECT * FROM pakovanje pak INNER JOIN proizvod pro ON pak.id_p
roizvod = pro.id_proizvod  WHERE pak.aktivan = 1 $stringQueryLimit";
        $select_query = $conn->prepare($query);
        $select_query->execute($params_array);
        $products = $select_query->fetchAll();



        $count_query = $conn-
>prepare("SELECT COUNT(*) AS count FROM pakovanje pak INNER JOIN proizvod pro ON
pak.id_proizvod = pro.id_proizvod WHERE pak.aktivan = 1 $stringQuery");
        $count_query->execute($params_array);
        $result = $count_query->fetch();

        $count = $result->count;

        if(!$products){
            $products = [];
        }

        $response_code = 200;
    }
    catch(PDOException $ex){

        createLog(ERROR_LOG_FAJL, $ex->getMessage());
        $products = [];
        $response_code = 500;
    }

    echo json_encode([
        "pageCount"=>$count,
        "products"=>$products
    ]);
    http_response_code($response_code);
```

4.7 models/user

4.7.1 get_user.php

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


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

    $userObj = false;
    if(isset($_SESSION['user'])) {
        $userObj = $_SESSION['user'];
    }

    http_response_code(200);
    echo json_encode($userObj);
```

4.7.2 login.php

```php
<?php

include_once "../../config/connection.php";

if (!isset($_POST['login-button'])) {
    header("Location: ../../index.php?page=pocetna");
}
else {
    $regEmail = "/^[a-z]((\.|-|_)?[a-z0-9]){2,}@[a-z]((\.|-|_)?[a-z0-9]+){2,}\.[a-z]{2,6}$/i";
    if(!preg_match($regEmail, $_POST["email"])){
        header("Location: ../../index.php?page=prijava&error=Neispravan%20email.");
        die();
    }

    $regPasswd = "/^[A-z\d]{8,}$/";
    if(!preg_match($regPasswd, $_POST["password"])){
        header("Location: ../../index.php?page=prijava&error=Neispravna%20lozinka.");
        die();
    }

    $email = $_POST["email"];
    $password =  md5($_POST["password"]);
```

```php
    try {

        $query = $conn->prepare("SELECT * FROM korisnik WHERE email = ?");
        $query->execute([$email]);
        $user = $query->fetch();

    } catch (PDOException $ex) {

        createLog(ERROR_LOG_FILE, $ex->getMessage());
        $error = "Greška pri komunikaciji sa serverom, probajte kasnije ponovo.";
        header("Location: ../../index.php?page=prijava&error=".$error);
    }


    if($user->lozinka == $password && $user ){

        $_SESSION["user"] = $user;
        header("Location: ../../index.php?page=pocetna");
    }
    else {
        $error = "Neispravna email adresa ili lozinka.";
        header("Location: ../../index.php?page=prijava&error=$error");
    }

}
```

4.7.3 logout.php

```php
<?php
    session_start();
    unset($_SESSION["user"]);
    header("Location: ../../index.php?page=pocetna");
```

4.7.4 register.php

```php
<?php

include_once "../../config/connection.php";

if (!isset($_POST["register-button"])) {
    header("Location: ../../index.php?page=pocetna");
}
else {
```

```php
    $regName = "/^[A-ZŠĐŽĆČ][a-zšđžćč]{2,15}$/";
    if(!preg_match($regName, $_POST["firstName"])){
        header("Location: ../../index.php?page=registracija&error=Neispravno%20im
e.");
        die();
    }
    if(!preg_match($regName, $_POST["lastName"])){
        header("Location: ../../index.php?page=registracija&error=Neispravno%20pr
ezime.");
        die();
    }

    $regEmail = "/^[a-z]((\.|-|_)?[a-z0-9]){2,}@[a-z]((\.|-|_)?[a-z0-
9]+){2,}\.[a-z]{2,6}$/i";
    if(!preg_match($regEmail, $_POST["email"])){
        header("Location: ../../index.php?page=registracija&error=Neispravan%20em
ail.");
        die();
    }

    $regPasswd = "/^[A-z\d]{8,}$/";
    if(!preg_match($regPasswd, $_POST["password"])){
        header("Location: ../../index.php?page=registracija&error=Neispravna%20lo
zinka.");
        die();
    }

    $fName = $_POST["firstName"];
    $lName = $_POST["lastName"];
    $email = $_POST["email"];
    $password =  md5($_POST["password"]);

    try {

        $query = $conn->prepare("SELECT email FROM korisnik WHERE email = ?");
        $query->execute([$email]);
        $user = $query->fetch();

    } catch (PDOException $ex) {

        create_log(ERROR_LOG_FAJL, $ex->getMessage());
        $error = "Greška pri komunikaciji sa serverom, probajte kasnije ponovo.";
        header("Location: ../../index.php?page=registracija&error=".$error);
    }
```

```php
    if ($user) {
        if($user->email == $email){

            $error = "Email je vec u upotrebi.";

            header("Location: ../../index.php?page=registracija&error=".$error);
        }
    }else {
        try {
            $query = $conn-
>prepare("INSERT INTO korisnik(ime, prezime, email, lozinka) VALUES(?,?,?,?)");
            $result = $query->execute([$fName, $lName, $email, $password]);
            if ($result) {
                $message = "Uspešna registracija! Sada se možete ulogovati.";
                header("Location: ../../index.php?page=prijava&message=".$message
);
            }
            else {
                $error = "Greška na serveru. Molimo pokušajte malo kasnije.";

                header("Location: ../../index.php?page=registracija&error=".$erro
r);
            }
        } catch (PDOException $ex) {


            create_log(ERROR_LOG_FAJL, $ex->getMessage());
            $error = "Greška pri komunikaciji sa serverom, probajte kasnije ponov
o.";

            header("Location: ../../index.php?page=registracija&error=".$error);
            die();
        }
    }
}
```

4.8 config/

4.8.1 connection.php

```php
<?php

require_once "config.php";
require_once ABSOLUTE_PATH."/models/functions.php";

$user = false;
checkSession();
```

```php
createLog(LOG_FAJL, "A user has accessed this page.");

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

4.8.2 config.php

```php
<?php

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

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

// Podesavanja za bazu
define("SERVER", env("SERVER"));
define("DATABASE", env("DBNAME"));
define("USERNAME", env("USERNAME"));
define("PASSWORD", env("PASSWORD"));

function env($naziv){
    $open = fopen(ENV_FAJL, "r");
    $podaci = file(ENV_FAJL);
    $vrednost = "";
    foreach($podaci as $key=>$value){
        $konfig = explode("=", $value);
        if($konfig[0]==$naziv){
            $vrednost = trim($konfig[1]);
        }
    }
    return $vrednost;
}
```

4.9 assets/js/main.js

```javascript
window.onload = () => {

    //navbar-toggle
    $(document).on("click",".navbar-toggler",function(){
        $("#responsive-meni")
            .css({
                "left" : "0",
                "top" : `${$(".navbar").height()}px`
            })
            .toggle("slow");
    });


    showCartQuantity();
    let url = window.location.pathname;
    if($("#proizvodi").length){
        loadProducts();
    }
    if($("#div-pocetna").length){
        loadFocusProducts();
    }
    if($("#div-korpa").length){
        loadCart();
    }


    function checkAdmin(){
        ajaxFunction("models/user/get_user.php", 'GET', function(data) {
            isAdmin(data.id_uloga);
        });
    }
    function isAdmin(id) {
        if(id == 1){
            $(".dodajUKorpu")
                .removeClass("btn-success")
                .addClass("btn-danger")
                .addClass("d-none")
                .html("Ukloni iz ponude")
            $(".detaljnije-link")
                .html("Izmeni")
                .addClass("text-danger");
        }
    }
```

```javascript
    $(".deaktivirajNalog").click(function (e) {
        e.preventDefault();
        let id = $(this).data('id');

        ajaxFunction("models/admin/disable_user.php", 'POST', function(data) {
            stilizujAktivnost(id);
        }, {
            id: id,
            action: "deact"
        });
        function stilizujAktivnost(id){
            let td = $("table").find(`[data-id='${id}']`)
            td.removeClass("text-danger").addClass("text-
success").html('Aktiviraj').addClass("aktivirajNalog");
        }
    })
    $(".aktivirajNalog").click(function (e) {
        e.preventDefault();
        let id = $(this).data('id');

        ajaxFunction("models/admin/disable_user.php", 'POST', function(data) {
            stilizujAktivnost(id);
        }, {
            id: id,
            action: "act"
        });
        function stilizujAktivnost(id){
            let td = $("table").find(`[data-id='${id}']`)
            td.removeClass("text-success").addClass("text-
danger").html('Deaktiviraj').addClass("deaktivirajNalog");
        }
    })

    // POCETNA page
    function loadFocusProducts(){
        try {
            let ajaxResponse = ajaxFunction('models/products/get_focus_products.p
hp', 'get', function(data) {
                showFocusProducts(data.products);
                //console.log(data.products);
            });
        } catch (error) {

        }
    }
```

```javascript
    function showFocusProducts(products) {
        let html="";
        for(let p of products){
            html += `
                <a href="index.php?page=proizvod&p_id=${p.id_pakovanje}" class="b
order-none text-dark">
                    <div class="card col-7 col-md-5 col-lg-2 p-0 mb-5">
                        <img class="card-img-
top" src="assets/img/${p.slika_umanjena}" alt="${p.naziv}">
                        <div class="card-body text-center pl-0 pr-0">
                            <h5 class="card-title mb-1">${p.naziv}</h5>
                            <p class="text-
muted">${p.kolicina} ${stringMernaJedinica(p.merna_jedinica)} </p>
                            <div class="dot col-12 text-center">•</div>
                            <p class="card-text font-weight-
bold">${p.cena},00 rsd</p>
                            <div class="dot col-12 text-center">•</div>
                            <a href="index.php?page=proizvod&p_id=${p.id_pakovanj
e}" class="border-none text-success col-12 detaljnije-link"><u>Detaljnije</u></a>
                            <a href="" class="btn btn-success border-none mt-
3 dodajUKorpu" data-id="${p.id_pakovanje}">Dodaj u korpu</a>
                        </div>
                    </div>
                </a>`;
        }
        $("#div-pocetna").html(html);
        checkAdmin();
    }

    //KORPA page

    $(document).on("click",".dodajUKorpu",function(e){
        e.preventDefault();
        let id = $(this).data('id');
        addToCart(id);

    });

    function addToCart(id) {
        ajaxFunction("models/user/get_user.php", 'GET', function(data) {
            if (data) {
                var user = data;
                //console.log(data);
                ajaxFunction("models/cart/add_to_cart.php", 'POST', function(data
){
```

```
                showCartQuantity();
                return(data);
            }, {
                userId: user.id_korisnik,
                productId: id
            });
        }
        else{
            window.location.href = "index.php?page=prijava&error=Morate biti
ulogovani da bi obavljali kupovinu.";
        }
    });
}


function showCartQuantity() {
    ajaxFunction('models/cart/cart_quantity.php', 'GET', function(data) {
        $('.cart-count').html(data);
    });
}


function loadCart() {
    ajaxFunction('models/cart/load_cart.php', 'GET', function(data) {
        //console.log(data);
        let medjuzbir = 0;
        let html = "";
        if (data.length) {
            let products = data;
            html += `
                        <table id="ispisKorpe" class="table table-
hover table-striped">
                            <thead class="bg-dark">
                                <tr>
                                    <th scope="col" class=" text-
light"> </th>
                                    <th scope="col" class=" text-
light"> </th>
                                    <th scope="col" class=" text-
light">Proizvod</th>
                                    <th scope="col" class="  text-
light">Cena</th>
                                    <th scope="col" class="  text-
light">Kolicina</th>
                                    <th scope="col" class="  text-
white">Medjuzbir</th>
```

```
                                    </tr>
                                </thead>
                                <tbody id="tbody">
                                    <tr>`;
                for(let p of products){
                    html += `
                    <tr>
                        <th scope="row" class="align-middle text-
dark"><button class="obrisiIzKorpe border-0" data-
id="${p.id_stavka_korpe}" ><i  class="fas fa-trash-alt align-
center"></i></button></th>
                        <td class="align-middle text-dark w-25"><img class="w-
25" src="assets/img/${p.slika_umanjena}" alt="${p.naziv}"></td>
                        <td class="align-middle text-dark">${p.naziv}</td>
                        <td class="align-middle text-dark">${p.cena},00 RSD</td>
                        <td class="align-middle text-dark"><input class="pl-
2 kolicina" data-
id="${p.id_stavka_korpe}" type="number" min="1" max="99" step="1" value="${p.koli
cina}"></td>
                        <td class="align-middle text-
dark">${p.kolicina*p.cena},00 RSD</td>
                    </tr>`;

                    medjuzbir += p.kolicina*p.cena;
                }
                html += `</tbody>
                    </table>`;

                $("#obrisiSve, #medjuzbir-placanje").removeClass("d-none");

                totalPrice(medjuzbir);
                autofillTextboxCart();
            }
            else{
                html +=`<div class='d-flex justify-content-center mx-0'>
                <img src="assets/img/praznaKorpa.png" alt="Nema proizvoda" class=
"col-lg-5 col-12 col-sm-8">
                </div>
                <h2 class='text-center col-12 p-50-0 text-
secondary' >Vaša korpa je trenutno prazna. Želite nazad na kupovinu?</h2>
                <a href="index.php?page=proizvodi" class="text-center text-
secondary">
                    <h4 class="my-5">
                        <i class="fas fa-long-arrow-alt-left mr-2"></i>
                        Nazad na kupovinu
```

```
                </h4>
            </a>`;

            $("#obrisiSve, #medjuzbir-placanje").addClass("d-none");
        }
        $("#korpaSpisak").html(html);

    });
}

function autofillTextboxCart() {
    ajaxFunction("models/user/get_user.php", 'GET', function(data) {
        let user = data;
        $("#korpa-imePrezime").val(user.ime + " " + user.prezime);
        $("#korpa-email").val(user.email);
    });
}

function totalPrice(medjuzbir) {
    let dostava = 250;
    if(medjuzbir >= 1500){
        dostava = 0;
    }

    let ukupno = dostava + medjuzbir;
    $("#hidden-medjuzbir").val(ukupno);

    ukupno += ",00 RSD";
    dostava += ",00 RSD";
    medjuzbir += ",00 RSD";

    $("#tdCenaDostave").html(dostava);
    $("#tdMedjuzbir").html(medjuzbir);
    $("#tdUkupano").html(ukupno);
}
$(document).on("change",".kolicina",function(){
    quantityChange($(this).data('id'), $(this).val());
});
$(document).on("click",".obrisiIzKorpe",function(){
    deleteFromCart($(this).data('id'));
});
$(document).on("click","#buttonObrisiKorpu",function(){
    deleteFromCart();
});
```

```javascript
    function quantityChange(id, val) {
        let dataAjax = {
            articleId: id,
            newValue: val
        }
        ajaxFunction("models/cart/change_quantity_of_item.php", 'POST', function(
data){
            loadCart();
            showCartQuantity();
        }, dataAjax);
    }

    function deleteFromCart(id = 0) {
        //console.log(articleId);
        ajaxFunction("models/user/get_user.php", 'GET', function(data) {
            var user = data;
            let dataAjax = { articleId: id }
            if (id == 0) {
                dataAjax = { userId: user.id_korisnik }
            }
            ajaxFunction("models/cart/delete_from_cart.php", 'POST', function(dat
a){
                loadCart();
                showCartQuantity();
            }, dataAjax);
        });
    }

    // form-validation (cart)
    $("#korpa-forma").submit(function(e){
        resetFormMessages();
        validationError = false;

        if($("#korpa-imePrezime").val().length < 8){
            formErrorMessage("Unesite ispravno ime i prezime.", $("#korpa-
imePrezime"));
        }
        if($("#korpa-email").val().length < 3){
            formErrorMessage("Unesite ispravanu email adresu.", $("#korpa-
email"));
        }
        if($("#korpa-adresa").val().length < 8){
            formErrorMessage("Unesite ispravnu adresu.", $("#korpa-adresa"));
        }
```

```javascript
        let fullName = $("#korpa-imePrezime").val();
        let email = $("#korpa-email").val();
        let address  = $("#korpa-adresa").val();

        regexValidate(fullName, regexFullName, $("#korpa-imePrezime"));
        regexValidate(email, regexEmail, $("#korpa-email"));
        regexValidate(address, regexAddress, $("#korpa-adresa"));

        if(validationError){
            e.preventDefault();
        }

    });

    // PRODUCT page proizvod-ukloni-button
    $("#proizvod-ukloni-button", ".proizvod-ukloni-button").click(function(e){
        console.log(2);
        e.preventDefault();
        let id = $(this).data('id');
        let dataAjax = {id: id};
        ajaxFunction("models/admin/disable_product.php", 'POST', function(data){
            if (data) {
                console.log(data);
                $("#proizvod-change-info")
                    .html("Proizvod je uspesno uklonjen.")
                    .removeClass("alert-warning")
                    .addClass("alert-success")
            }
            else{
            $("#proizvod-change-info")
                .html("Doslo je do greske na serveru.")
                .addClass("alert-warning")
                .removeClass("alert-success")
            }
        }, dataAjax);

    });


    //lOGIN page
    var validationError = false;

    $("#prijava-forma").submit(function(event){
        resetFormMessages();
        validationError = false;
```

```javascript
        if($("#email").val().length < 3){
            formErrorMessage("Unesite ispravanu email adresu.", $("#email"));
        }
        if($("#password").val().length < 8){
            formErrorMessage("Unesite ispravnu lozinku.", $("#password"));
        }
        if(validationError){
            event.preventDefault();
        }
    });


    // form messages
    function resetFormMessages(){
        validationError = false;
        $(".form-error").remove();
        $(".form-success").remove();
    }
    function formErrorMessage(message, element){
        validationError = true;
        $(`<p class="form-error small text-
danger">${message}</p>`).insertAfter($(element));
    }

    // regular expresion
    let regexName = /^[A-ZŠĐŽĆČ][a-zšđžćč]{2,15}(\s[A-ZŠĐŽĆČ][a-
zšđžćč]{2,15})?$/;
    let regexEmail = /^[a-z]((\.|-|_)?[a-z0-9]){2,}@[a-z]((\.|-|_)?[a-z0-
9]+){2,}\.[a-z]{2,6}$/i;
    let regexPassword = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[A-Za-z\d]{8,}$/;
    let regexFullName = /^[A-ZŠĐŽĆČ][a-zšđžćč]{2,15}(\s[A-ZŠĐŽĆČ][a-
zšđžćč]{2,15}){0,2}$/;
    let regexAddress = /^[\w\.]+(,?\s[\w\.]+){2,8}$/;

    // register
    $("#registracija-forma").submit(function(event){
        resetFormMessages();
        validationError = false;


        let firstName = $("#firstName").val();
        let lastName = $("#lastName").val();
        let email = $("#email").val();
```

```javascript
        let password = $("#password").val();
        let confPassword  = $("#confirm-password").val();

        regexValidate(firstName, regexName, $("#firstName"));
        regexValidate(lastName, regexName, $("#lastName"));
        regexValidate(email, regexEmail, $("#email"));
        regexValidate(password, regexPassword, $("#password"));

        if (password !== confPassword) {
            formErrorMessage("Neispravno uneta potvrda lozinke.", $("#confirm-
password"))
        }

        if(validationError){
            console.log('greska ima');
            event.preventDefault();
        }

    });

    // validation functions
    function regexValidate(string, regex, htmlElement) {
        if(string == ""){
            return formErrorMessage("Polje ne moze biti prazno.", htmlElement);
        }
        else if(!regex.test(string)){
            return formErrorMessage("Neispravno unet podatak.", htmlElement);
        }
    }
    function textboxValidate(string, htmlElement) {
        if (string == "") {
            return formErrorMessage("Polje Teksta poruke je obavezno.", htmlEleme
nt);
        }
        if(string.length < 15){
            return formErrorMessage("Tekst je prekratak za poruku.", htmlElement)
;
        }
    }

    // KONTAKT page validation
    $("#kontakt-form").submit(function(event){
        resetFormMessages();
        validationError = false;
```

```javascript
        let fullName = $("#name").val();
        let email = $("#email").val();
        let text = $("#text").val();

        regexValidate(fullName, regexFullName, $("#name"));
        regexValidate(email, regexEmail, $("#email"));
        textboxValidate(text,  $("#text"));

        if(validationError){
            console.log('greska ima');
            event.preventDefault();
        }

    });


    // ajax function
    function ajaxFunction(url ,method, fun, data = {}){
        $.ajax({
            url: url,
            method: method,
            dataType: "json",
            data: data,
            success: fun,
            error: function(xhr){
                console.log(xhr);
            }
        });
    }

    // PROIZVODI page

    function loadProducts() {
        try {
            let ajaxResponse = ajaxFunction('models/products/get_products.php', '
get', function(data) {
                showProducts(data.products);
                printPagination(data.pageCount);
            });

        } catch (error) {

        }
    }
```

```javascript
    $("#sort, #kategorije, #cena, #search").change(filterChange);

    function showProducts(products) {
        let html="";
        if(products.length == 0){
            $("#div-proizvodi").html("<p class='col-12 text-center alert-
danger'>Nema proizvoda za odabrani filter.</p>");
            $("#paginacija").html("");
            return;
        }
        for(let p of products){
            html += `
            <a href="index.php?page=proizvod&p_id=${p.id_pakovanje}" class="borde
r-none">
                <div class="card col-5 col-lg-3 p-0 mb-5 mx-4">
                    <img class="card-img-
top" src="assets/img/${p.slika_umanjena}" alt="${p.naziv}">
                    <div class="card-body text-center">
                        <h5 class="card-title mb-1 text-dark">${p.naziv}</h5>
                        <p class="text-
muted">${p.kolicina} ${stringMernaJedinica(p.merna_jedinica)} </p>
                        <div class="dot col-12 text-center">●</div>
                        <p class="card-text font-weight-bold text-
dark">${p.cena},00 rsd</p>
                        <div class="dot col-12 text-center">●</div>
                        <a href="index.php?page=proizvod&p_id=${p.id_pakovanje}"
class="border-none text-success col-12 detaljnije-link"><u>Detaljnije</u></a>
                        <a href="" class="btn btn-success border-none mt-
3 dodajUKorpu" data-id="${p.id_pakovanje}">Dodaj u korpu</a>
                    </div>
                </div>
            </a>`;
        }
        $("#div-proizvodi").html(html);
        checkAdmin();
    }


    function printPagination(page) {

        pages = Math.ceil(page / 6);
        let html="";
        for(let i=0; i < pages; i++){
            html += `
                <li class="page-item">
```

```javascript
                <a class="page-link dot pagination-
link ${i == 0 ? "activePagination": ""}" href="#" data-limit="${i}">${i+1}</a>
                </li>`;
        }
        $("#pagination").html(html);
    }

    function filterChange(page = false){

        let dataForAjax = {
            "sort": $("#sort").val(),
            "category": $("#kategorije input:checked").get().map(x=>x.value).join
(", "),
            "price": $("#cena input:checked").get().map(x=>x.value).join(", "),
            "search": $("#search").val()
        };

        if(page !== false){
            dataForAjax.limit = String(page);
        }

        let ajaxResponse = ajaxFunction("models/products/get_products.php", "get"
, function(data) {
            showProducts(data.products);
            console.log(data);


            if(page === false){

                printPagination(data.pageCount);

            }

        }, dataForAjax);
    }

    function stringMernaJedinica(dbString)
    {
        if (dbString == "gram") {
            return "g";
        }
        else if(dbString == "kilogram") {
            return "kg";
        }
        else if(dbString == "mililitar") {
```

```
            return "ml";
        }
        return dbString;
    }

    $(document).on('click', '.pagination-link', function (e) {
        // e.preventDefault();

        let limit = $(this).data('limit');

        filterChange(limit);

        $('.pagination-link').removeClass("activePagination");
        $(this).addClass("activePagination");

    });

}
```

4.10 assets/css/style.sass

```
$green: #53b563
$white: #fff
::selection
    color: $green
    background: #ddd
*
    margin: 0px
    padding: 0px
mark
    background-color: $white
    color: $green
    font-weight: 900
ul
    list-style-type: none
a:link
    text-decoration: none
a.text-secondary:hover
    text-decoration: none
    color: $green !important
.p-50-0
    padding: 30px 0px
nav
    height: 100px
    position: fixed !important
```

```scss
    top: 0px
    width: 100%
    z-index: 5
    background-color: rgba(255, 255, 255, 0.95)
    .navbar-toggler
        background-color: $green
    #korpaLink
        position: relative
        background-color: $white !important
        #korpa
            .fa-shopping-cart
                color:  $green
            .cart-count
                padding: 1px 4px
                float: right
                -webkit-border-radius: 10px
                border-radius: 10px
                color: #000
                font-size: 15px
                font-weight: 700
    #korpaLink:hover
        background-color: $white !important
.help
    height: 100px
    width: 100%
#responsive-meni
    display: none
    z-index: 1000
#log-div
    height: 50px
.bg-gray
    background-color: rgba(255, 255, 255, 0.9)
.dot
    color: $green
    margin-bottom: .75rem
.td-u
    text-decoration: underline !important
.border-bottom-green
    border: none
    border-bottom: 1px solid $green
    border-color: $green

.naslovna
    height: 100%
    padding: 100px 0px 100px 0px
```

```scss
    background-size: cover
    background-repeat: no-repeat
    background-position: center
.bg-kontakt
    background-image: url(../img/naslovna_kontakt.jpg)
.bg-autor
    background-image: url(../img/naslovna_autor.jpg)
.bg-proizvodi
    background-image: url(../img/naslovna_proizvodi.jpg)
.bg-pocetna
    background-image: url(../img/naslovna_pocetna.jpg)
.bg-logovanje
    background-image: url(../img/naslovna_logovanje.jpg)
.bg-proizvod
    background-image: url(../img/naslovna_proizvod.jpg)
#mreze
    font-size: 30px
#knjige > div, #pretraga
    border: none
#sort
    height: 50px
.btn-act
    border-color: $green
    background-color: $green
    span
        color: $white
.btn-deact
    border-color: $green
    background-color: $white
    span
        color: $green
.page-link.activePagination
    background-color: $green !important
    color: $white !important
```