VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

<http://mobishop.epizy.com/>

Web Programiranje PHP 1

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Smer: Internet tehnologije

Modul: Web programiranje

Predmet: Web programiranje PHP 1

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# **Uvod**

## Korišćeni programski jezici

Za izradu sajta korišćeni su HTML, SASS/CSS, JavaScript/jQuery, PHP i XML(sitemap).

Radno okruženje Visual Studio Code.

## Opis funkcionalnosti

### Za krajnjeg korisnika

• Pretraga uređaja

• Kreiranje naloga

• Popunjavanje ankete

• Kontaktiranje administratora preko kontakt forme

• Dodavanje proizvoda u korpu

• Kreiranje narudžbine

### Za administratora

• Kreiranje, menjanje i brisanje korisnika, uređaja, brendova i operativnih sistema

• Menjanje i brisanje porudžbina

• Pristup porukama krajnjih korisnika i mogućnost da se izbrišu iz baze podataka

## Template

Za izradu sajta nije korišćen template.

# Organizacija

## 2.1 Organizaciona šema

DEVICES

INDEX

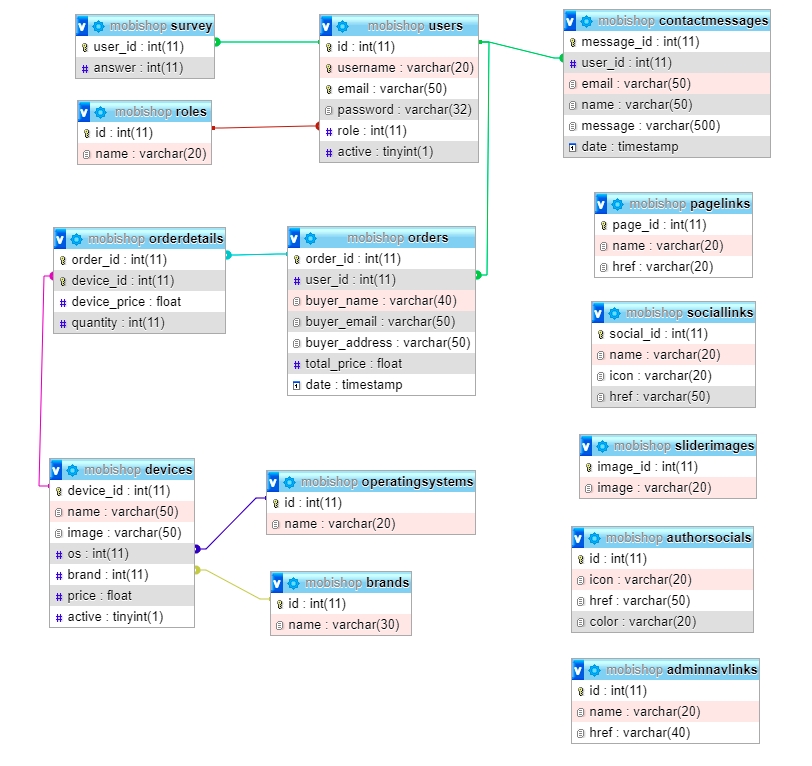
CONTACT

ADMIN

AUTHOR

CART

## 2.2 Baza podataka



## 2.3 Mapa sajta

<?xml version="1.0" encoding="UTF-8"?>

<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">

   <url>

      <loc>http://mobishop.epizy.com/index.php</loc>

      <lastmod>2021-03-08</lastmod>

      <changefreq>monthly</changefreq>

      <priority>0.8</priority>

   </url>

   <url>

      <loc>http://mobishop.epizy.com/devices.php</loc>

      <lastmod>2021-03-08</lastmod>

      <changefreq>monthly</changefreq>

      <priority>0.7</priority>

   </url><url>

      <loc>http://mobishop.epizy.com/contact.php</loc>

      <lastmod>2021-03-08</lastmod>

      <changefreq>monthly</changefreq>

      <priority>0.6</priority>

   </url><url>

      <loc>http://mobishop.epizy.com/author.php</loc>

      <lastmod>2021-03-08</lastmod>

      <changefreq>monthly</changefreq>

      <priority>0.5</priority>

   </url><url>

      <loc>http://mobishop.epizy.com/cart.php</loc>

      <lastmod>2021-03-08</lastmod>

      <changefreq>monthly</changefreq>

      <priority>0.6</priority>

   </url>

</urlset>

## 2.4 Slike stranica i opis funkcionalnosti

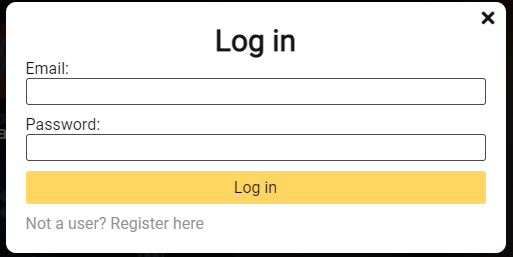
### Na svim stranicama



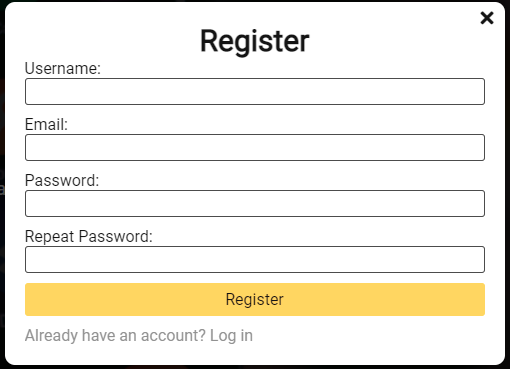




Na vrhu svake stranice nalazi se traka za logovanje/registraciju. Ako korisnik nije ulogovan, na traci se nalaze linkovi za logovanje I registraciju. U koliko je korisnik ulogovan, na traci se ispisuje Poruka ‘Welcome [username]!’ I link koji omogućava korisniku da se izloguje. Dodatno, ako trenutni korisnik ima privilegije administratora, na traci će se pojaviti link za pristup Admin panelu.



Klikom na link ‘Log in’ otvara se modal sa poljima za unos email-a I lozinke, taster za logovanje I link za menjanje sadržaja modala u modal za registraciju. Unos korisnika se i sa klijentske i sa serverske strane proverava regularnim izrazima, i ako prođe proveru, sa serverske strane se proverava da li korisnik sa unetim email-om I lozinkom postoji. Ako postoji, kreira se sesija u koju se smeštaju podaci za odgovarajućeg korisnika i trenutna stranica na kojoj se korisnik nalazi se osvežava, a ako ne postoji, korisniku se otvara modal sa tekstom ‘Invalid credentials.’.

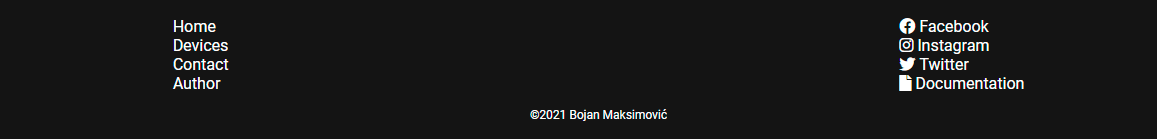


Klikom na link ‘Register’ otvara se modal sa poljima za unos username-a, email-a I lozinke, taster za registraciju I link za menjanje sadržaja modala u modal za logovanje. Unos korisnika se i sa klijentske i sa serverske strane proverava regularnim izrazima, i ako prođe proveru, sa serverske strane se proverava da li korisnik sa unetim email-om ili username-om već postoji. Ako postoji, korisniku se otvara modal sa odgovarajućom porukom (username već postoji, email već postoji ili obe), a ako ne postoji, nalog se kreira u bazi podataka i korisniku se ispisuje poruka o uspešnom kreiranju naloga.



Ispod trake za logovanje nalazi se header, u kom su navigacioni meniji (meni na velikim I meni na malim rezolucijama) dinamički ispisani iz tabele u bazi podataka. U njemu se takođe nalazi i link za pristup korpi (stranica cart.php) u čijem uglu piše koliko se proizvoda trenutno nalazi u korpi (proizvodi u korpi se isčitavaju iz local storage-a).

Da bi korisnik pristupio korpi, on mora da bude ulogovan. U slučaju da nije, kad klikne na link za pristup korpu, otvara mu se modal sa porukom koja mu govori da mora da se uloguje.



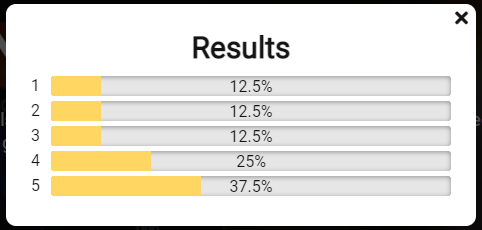
Na dnu svake stranice nalazi se footer u kom se nalazi jos jedan navigacioni meni učitan iz iste tabele kao i meniji u header-u kao I linkovi do socijalnih mreža i dokumentacije koji su takođe učitani iz tabele u bazi podataka.



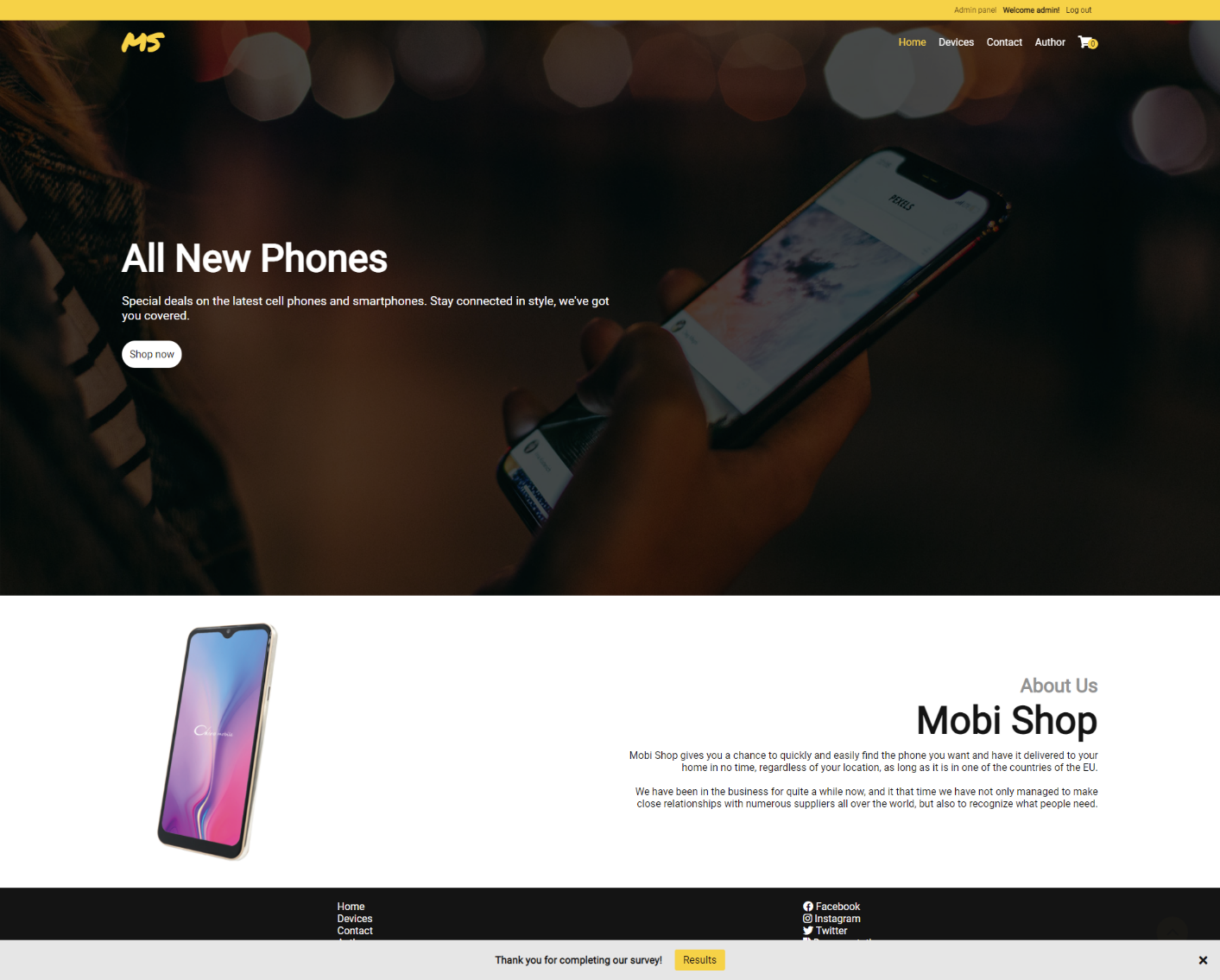


Ako je korisnik ulogovan, na dnu stranice se još pojavljuje I traka za glasanje u anketi ili za pristup rezultatima ankete. Na traci se još nalazi I ‘X’ taster za zatvaranje trake, I ako korisnik klikne na taj taster, traka se zatvara I u sesiji se kreira svojstvo koje sprečava ponovno otvaranje trake dok se korisnik ne izloguje i ponovo uloguje.

U slučaju da korisnik nije već dao odgovor na anketu, odnosno da ne postoji red u tabeli ’survey’ sa id-em tog korisnika, u traci će se nalaziti pitanje, nekoliko ponuđenih odgovora i taster za predavanje odgovora. U slučaju da korisnik proba da preda odgovor a da nije odabrao ni jednu opciju, ispisuje mu se modal sa porukom ‘Please choose one of the options.’. U suprotnom, njegov odgovor se upisuje u tabelu u bazi podataka, stranica na kojoj se nalazi se osvežava i sadržaj trake se menja tako da sada pokazuje taster za uvid u rezultate ankete. Pritiskom na taster ‘Results’, otvara se modal u kom se ispisuje koliki procenat korisnika je glasao za koju opciju.

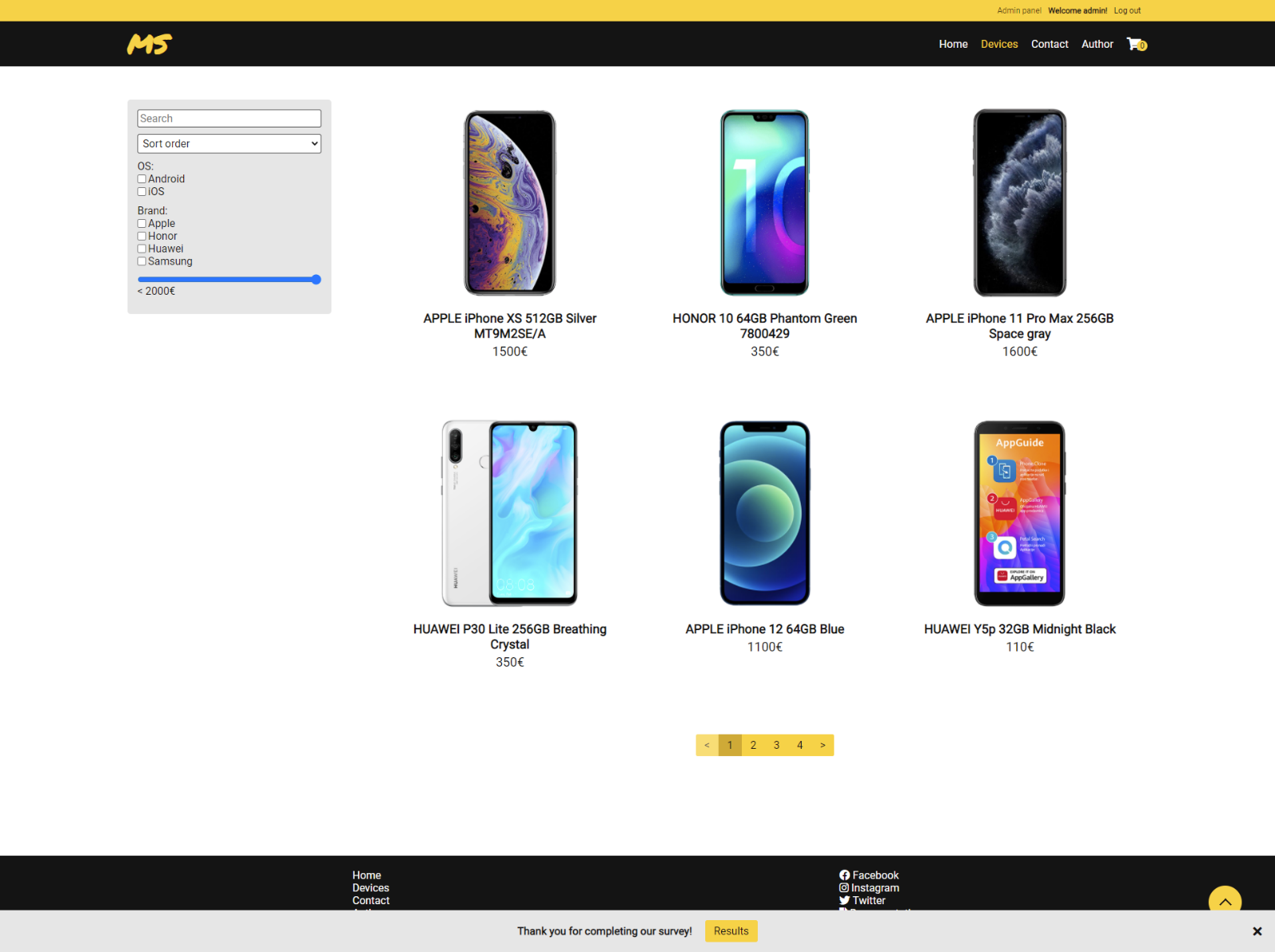


### index.php



Na početnoj stranici se nalazi slider u kom su slike dinamički učitane iz tabele u bazi podataka.

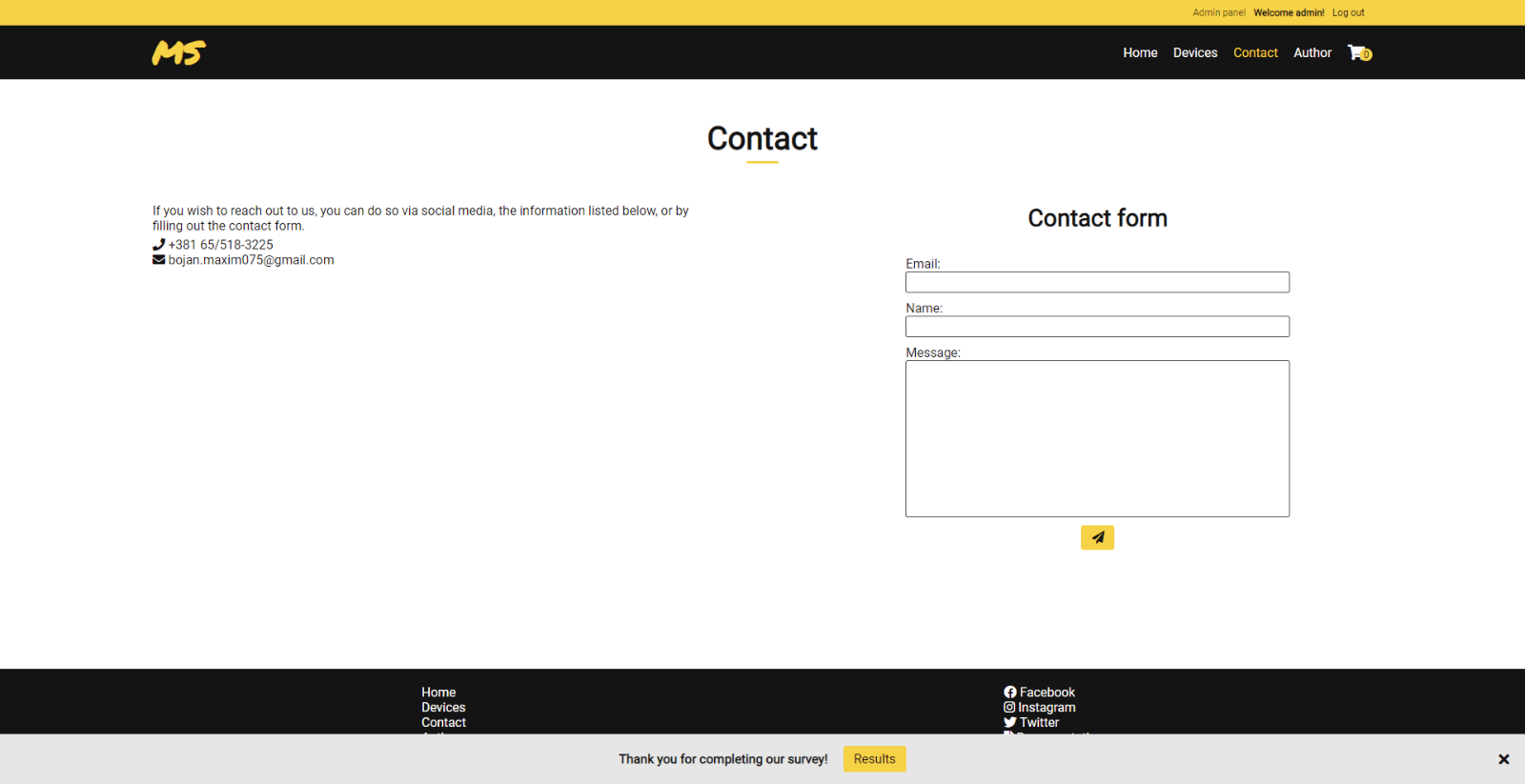
### devices.php



Na stranici devices.php nalazi se div za filtriranje I sortiranje prikazanih uređaja. Checkbox-ovi u ovom div-u su dinamički učitani iz baze podataka iz tabela ‘operatingsystems’ I ‘brands’. Svi prikazani uređaji su takođe učitani iz baze podataka na osnovu izabranih filtera. Na ovoj stranici postoji straničenje.

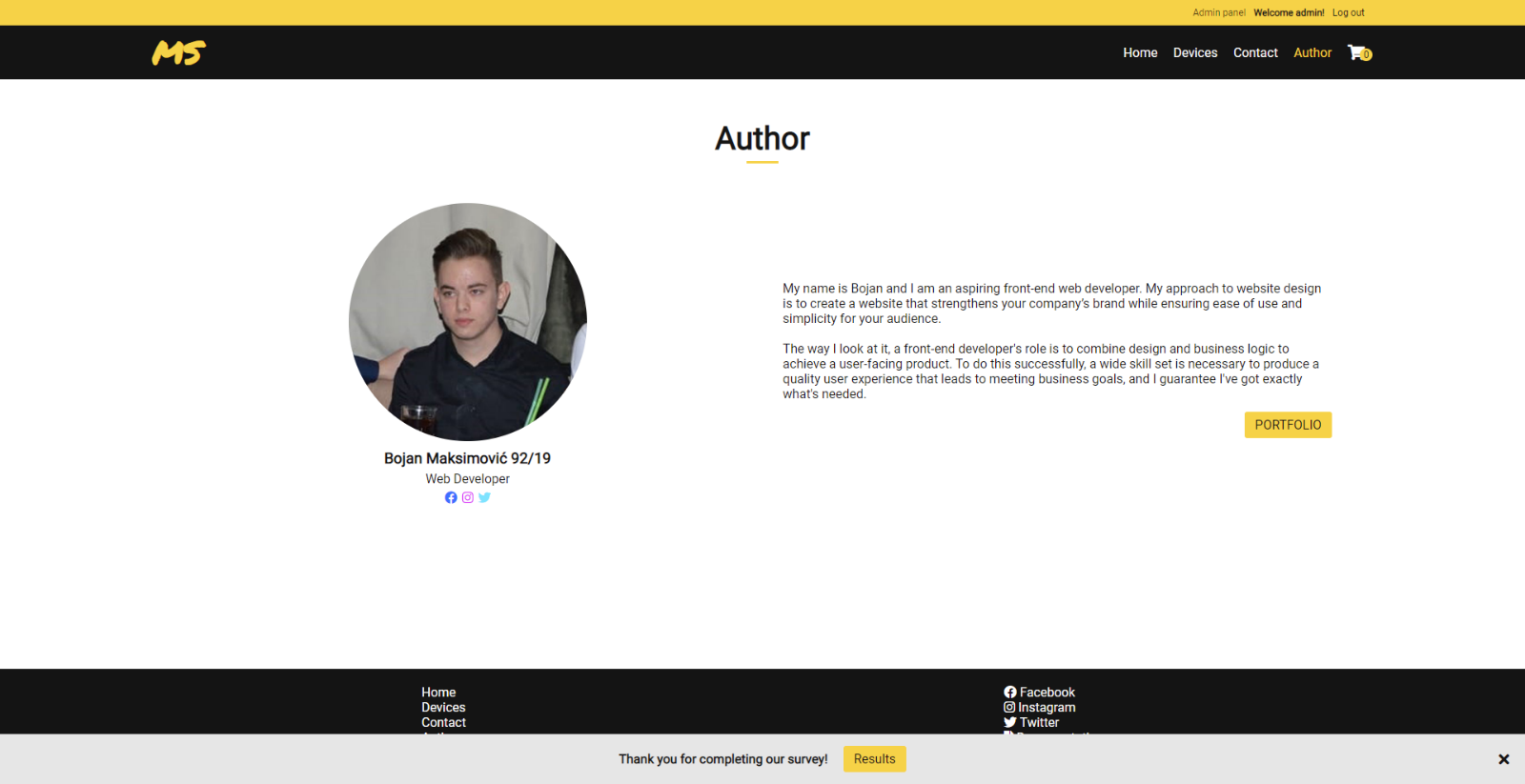
Hoverovanjem cursorom preko nekog uređaja pojavljuje se taster za dodavanje u korpu. Klikom na njega odabrani uređaj se upisuje u local storage.

### contact.php



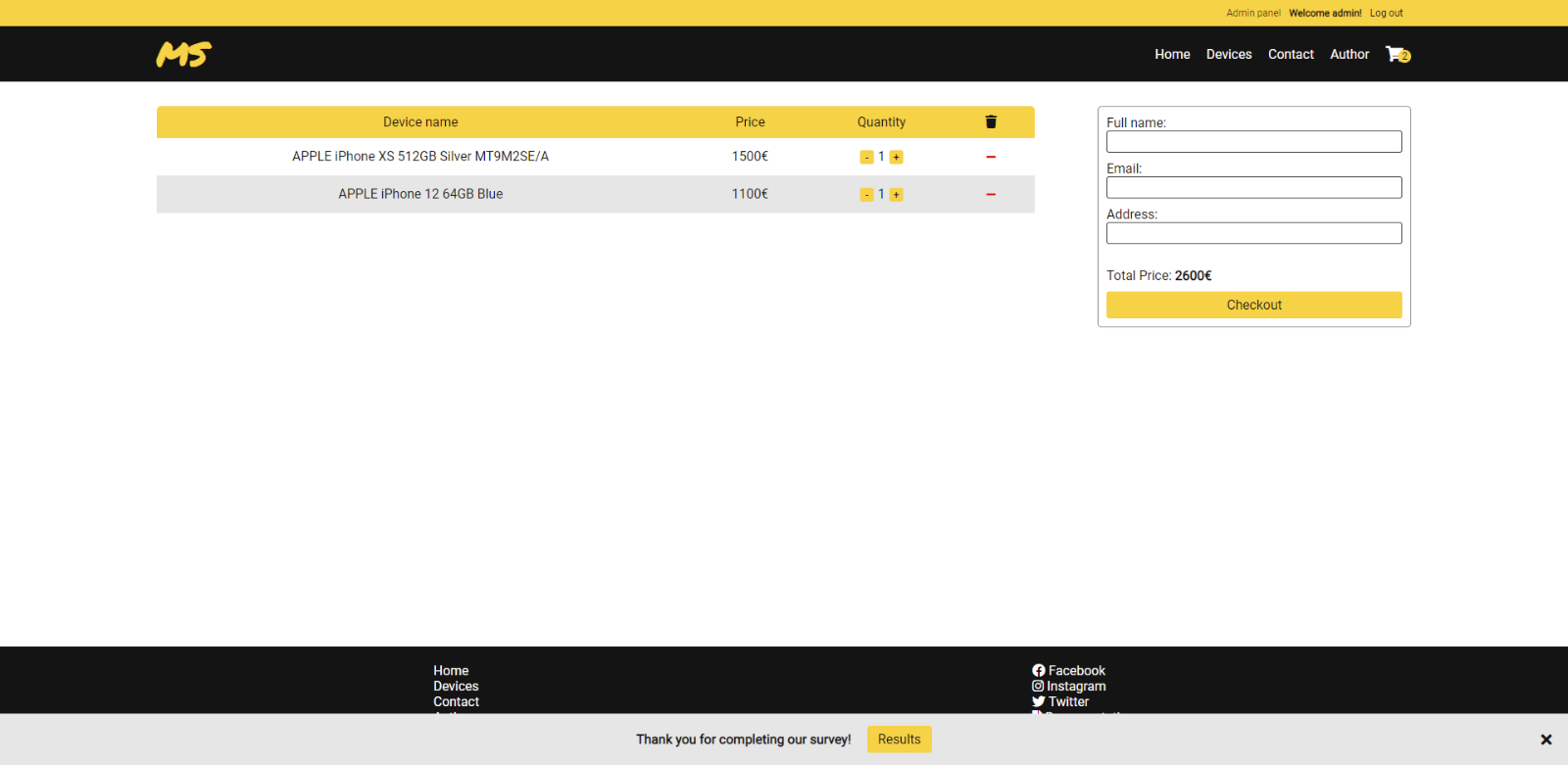
Na stranici contact.php se nalazi forma za kontaktiranje admnistratora. Unos u formu se I sa klijentske I sa serverske strane proverava regularnim izrazima. Ako je sve pravilno uneto, uneti podaci I trenutni datum I vreme se upisuju u tabelu ‘contactmessages’ u bazi podataka. U slučaju da je korisnik bio ulogovan kad je poslao u poruku, u tabelu se takođe upisuje i ID tog korisnika, a u slučaju da nije, to polje dobija vrednost NULL.

### author.php



Na stranici author.php, linkovi do autorovih socijalnih mreža se učitavaju iz tabele ‘authorsocials’ iz baze podataka.

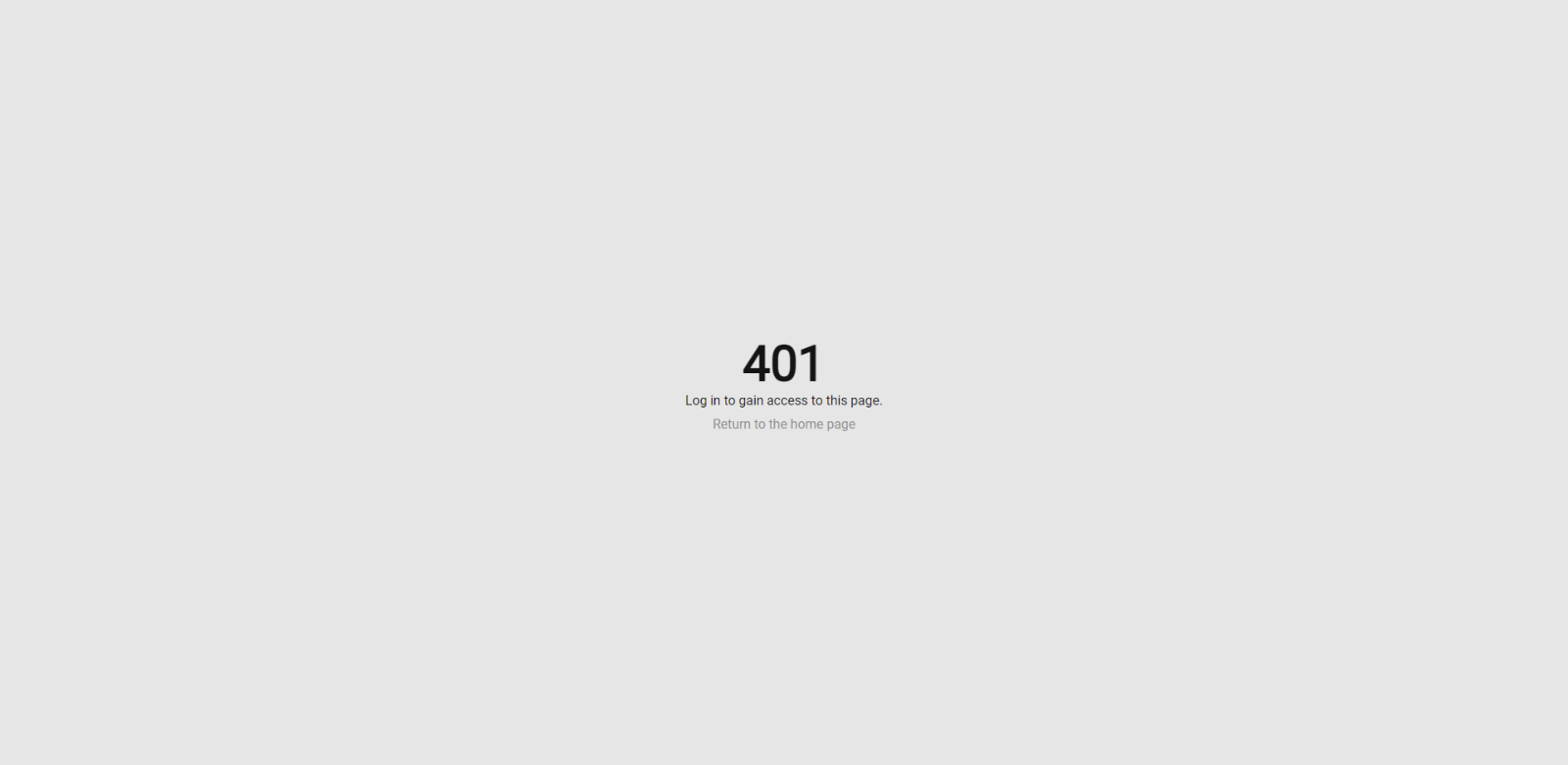
### cart.php



Na stranici cart.php, u slučaju da korisnik proba da joj pristupi preko url adrese, proverava se da li je korisnik ulogovan. U slučaju da nije, korisnik se redirektuje na 401.php stranicu koja mu govori da nema pristup stranici dok se ne uloguje.

Ako je korisnik ulogovan i uspešno je pristupio stranici, ispisuje mu se tabela sa svim uređajima koji se nalaze u korpi i div sa formom za kreiranje porudžbine. Uneti sadržaj u formi se proverava regularnim izrazima sa klijentske i serverske strane, i ako je forma ispravno popunjena, korpa se prazni i uneti podaci sa sve ID-em korisnika se unose u tabelu ‘orders’, a svi naručeni uređaji sa njihovim cenama i količinama se unose u svoje zasebne redove u tabeli ‘orderdetails’ I svi dobijaju kolonu u koju se automatski upisuje ID kreirane porudžbine.

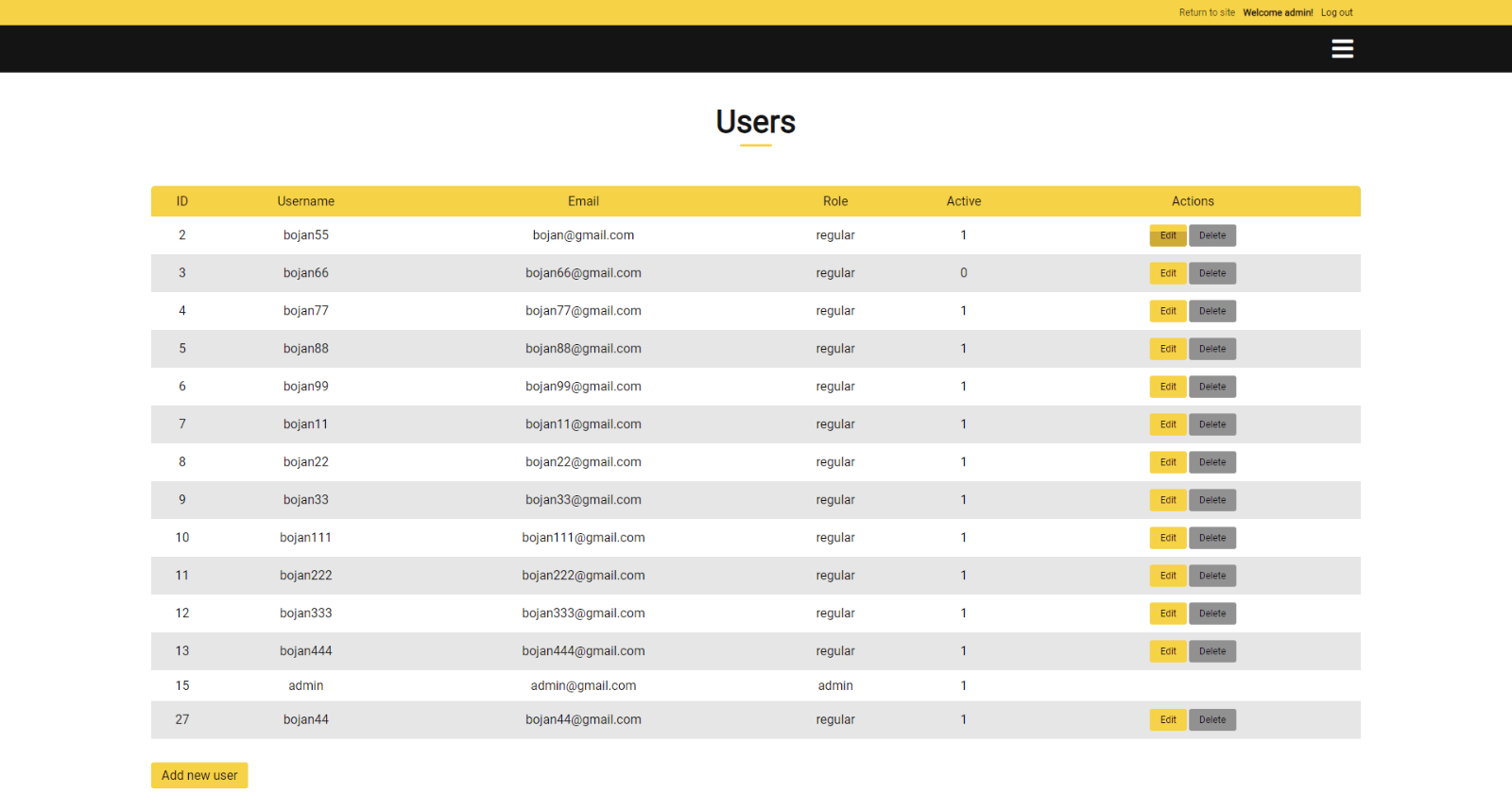
### 401.php

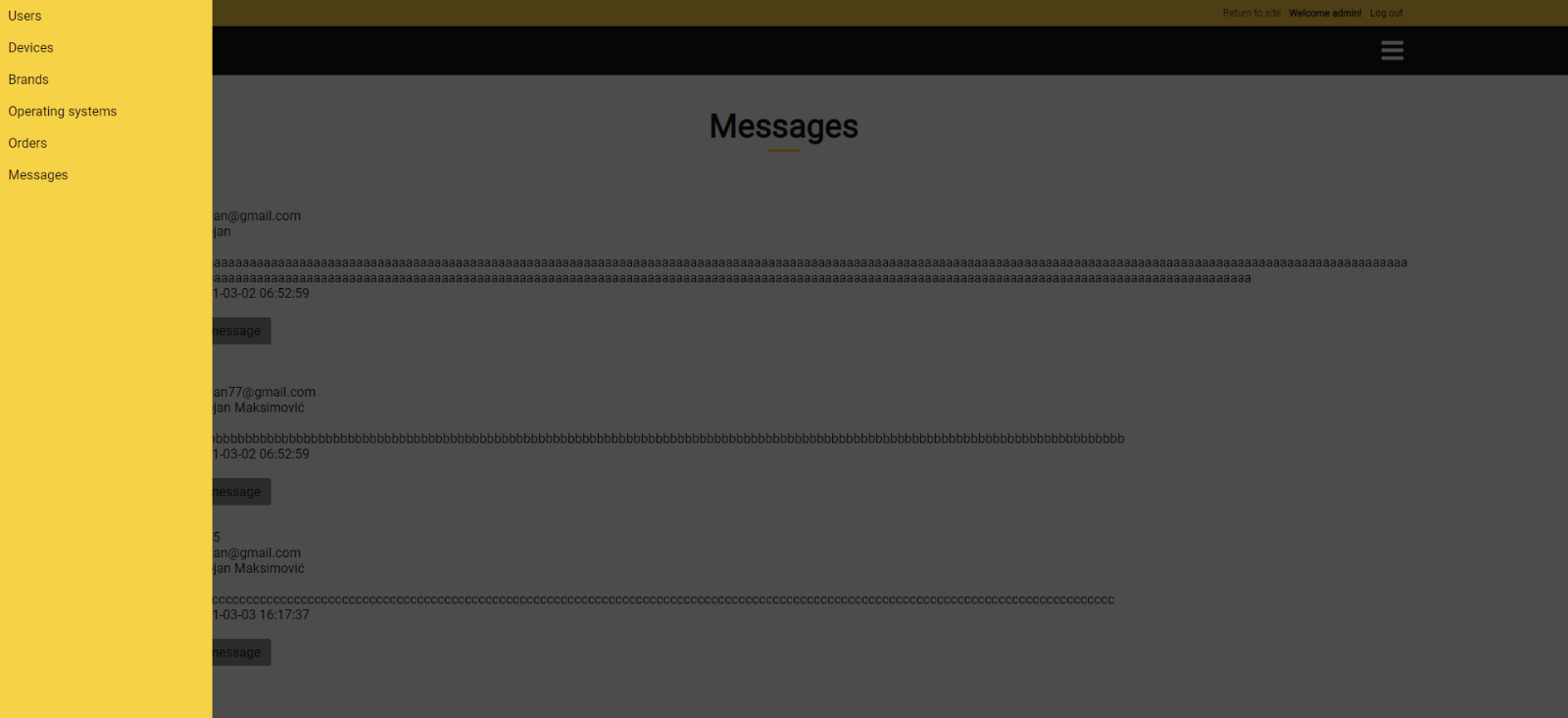


Stranica na koju se korisnici redirekturu u slučaju da probaju da pristupe stranici kojoj nemaju pristup dok se ne uloguju.

### admin.php

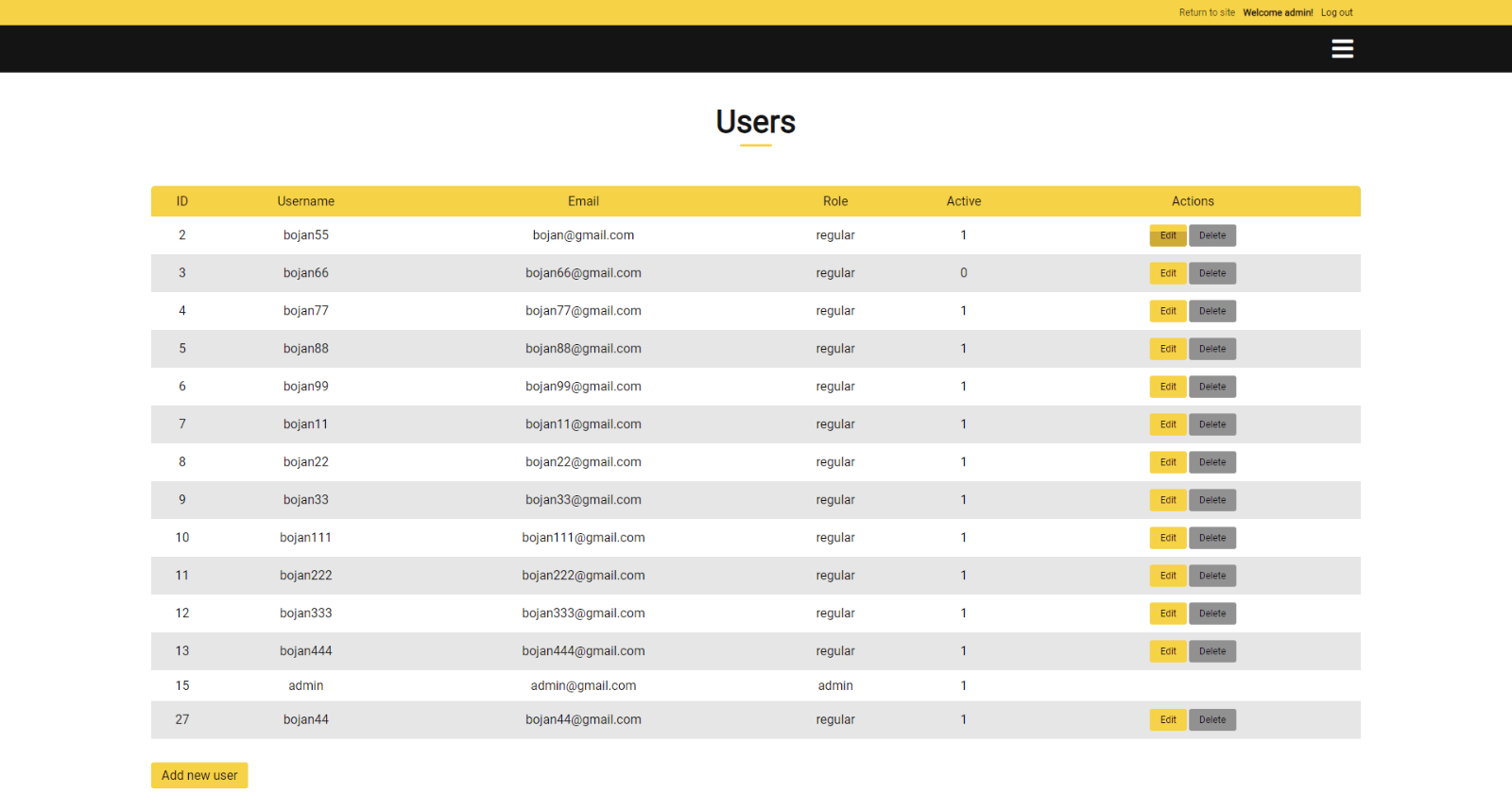
#### Važi za ceo admin panel





Stranici admin.php imaju pristup samo korisnici sa administratorskim privilegijama. U slučaju da stranici proba da pristupi korisnik kome to nije dozvoljeno, server mu vraća response kod 404 (Ne vraća kod 403 ili 401 jer želimo da sakrijemo postojanje ove stranice). Ovo je stranica koju administratori koriste da upravljaju dinamičkim delom sajta. Ova stranica ima svoj navigacioni meni koji se učitava iz baze podataka iz tabele adminnavlinks. Klikom na link u meniju sadržaj stranice se menja tako da prikazuje izabrane podatke. Dolaskom na ovu stranicu, link ‘Admin panel’ u traci za logovanje nestaje I pojavljuje se link ‘Return to site’ koji klikom na njega vodi korisnika na index.php stranicu.

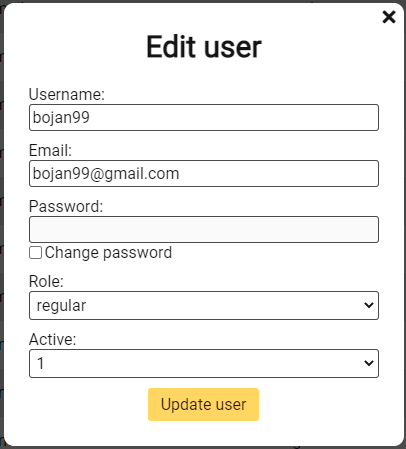
#### Korisnici



U delu za upravljanje sa korisnicima ispisuje se tabela sa svim korisnicima I njihovim informacijama. U tabeli postoji I kolona sa tasterima ‘Edit’ I ‘Delete’ (osim u redu trenutno ulogovanog korisnika) I ispod tabele se nalazi taster ‘Add new user’.

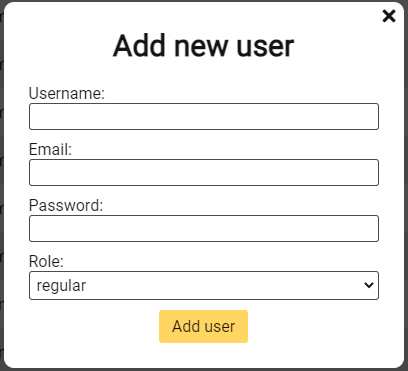


Klikom na taster ‘Delete’, korisniku se pojavljuje modal gde mu se traži da potvrdi brisanje sa tasterom ‘Yes’, ili da odustane od njega sa tasterom ‘No’. Ako odabere ‘Yes’, red za izabranog korisnika iz tabele users u bazi podataka se briše, modal se zatvara i sada promenjena tabela sa korisnicima se ispočetka ispisuje na stranici. Pritiskom na taster ‘No’, modal se zatvara.



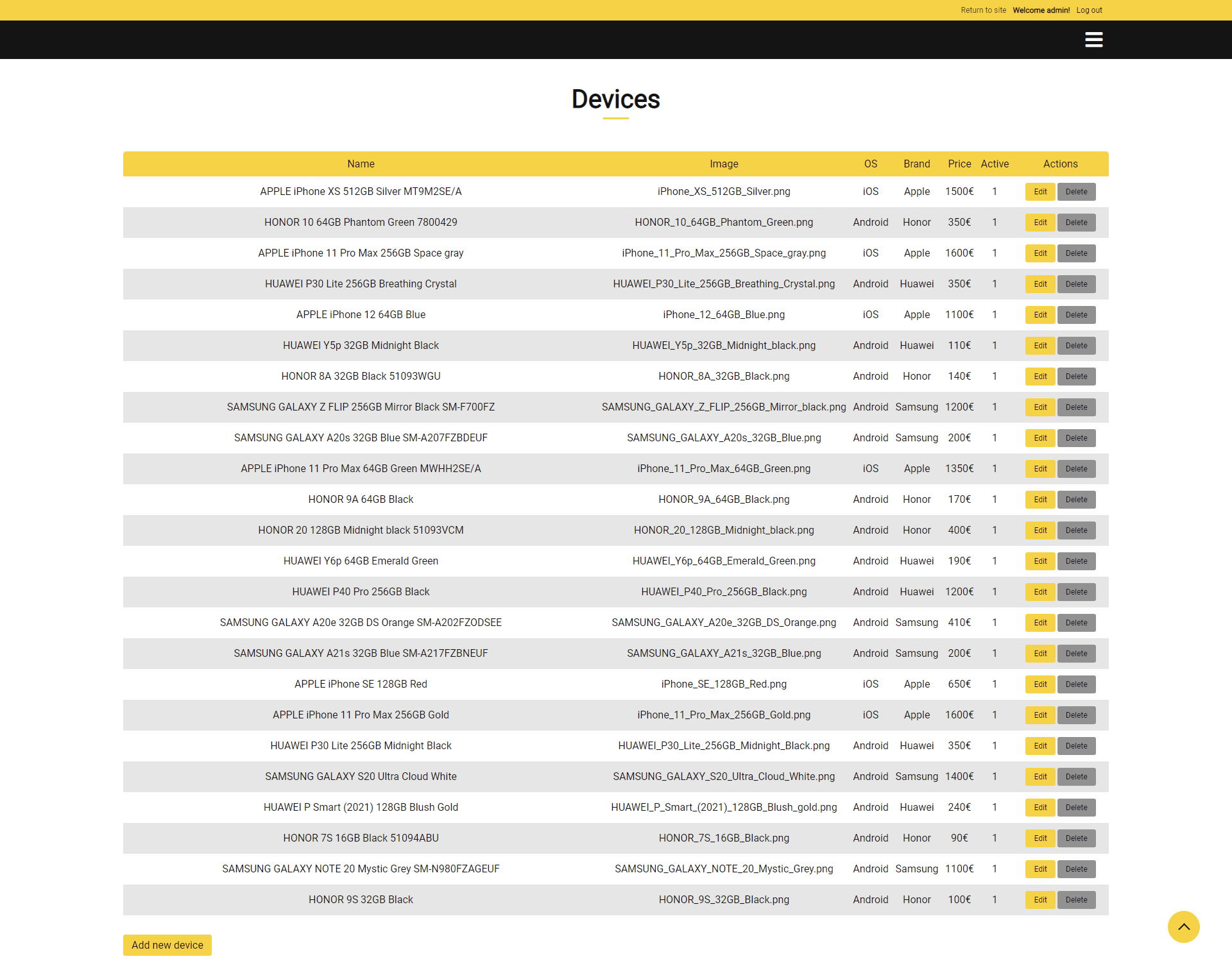
Klikom na taster ‘Edit’, korisniku se otvara modal sa formom za menjanje odabranog korisnika. Sva polja u formi osim polja za lozinku se automatski popunjavaju sa podacima koji važe za odabranog korisnika. Polje za lozinku je po default-u disable-ovano I da bi se enable-ovalo korisnik mora da čekira ‘Change password’ checkbox.

Klikom na taster ‘Update user’, uneti podaci se prvo sa klijentske strane proveravaju regularnim izrazima (polje ‘Password’ se ne proverava osim ako checkbox ‘Change password’ nije čekiran) I ako ta provera prođe, onda se šalju serveru na istu proveru. Na serveru se takođe vrši i provera da li korisnik sa istim email-om ili username-om već postoji, i ako postoji, korisniku se prikazuje modal sa odgovarajućom porukom. Ako podaci prođu I I proveru na serveru, red u tabeli users se update-uje sa unetim vrednostima.



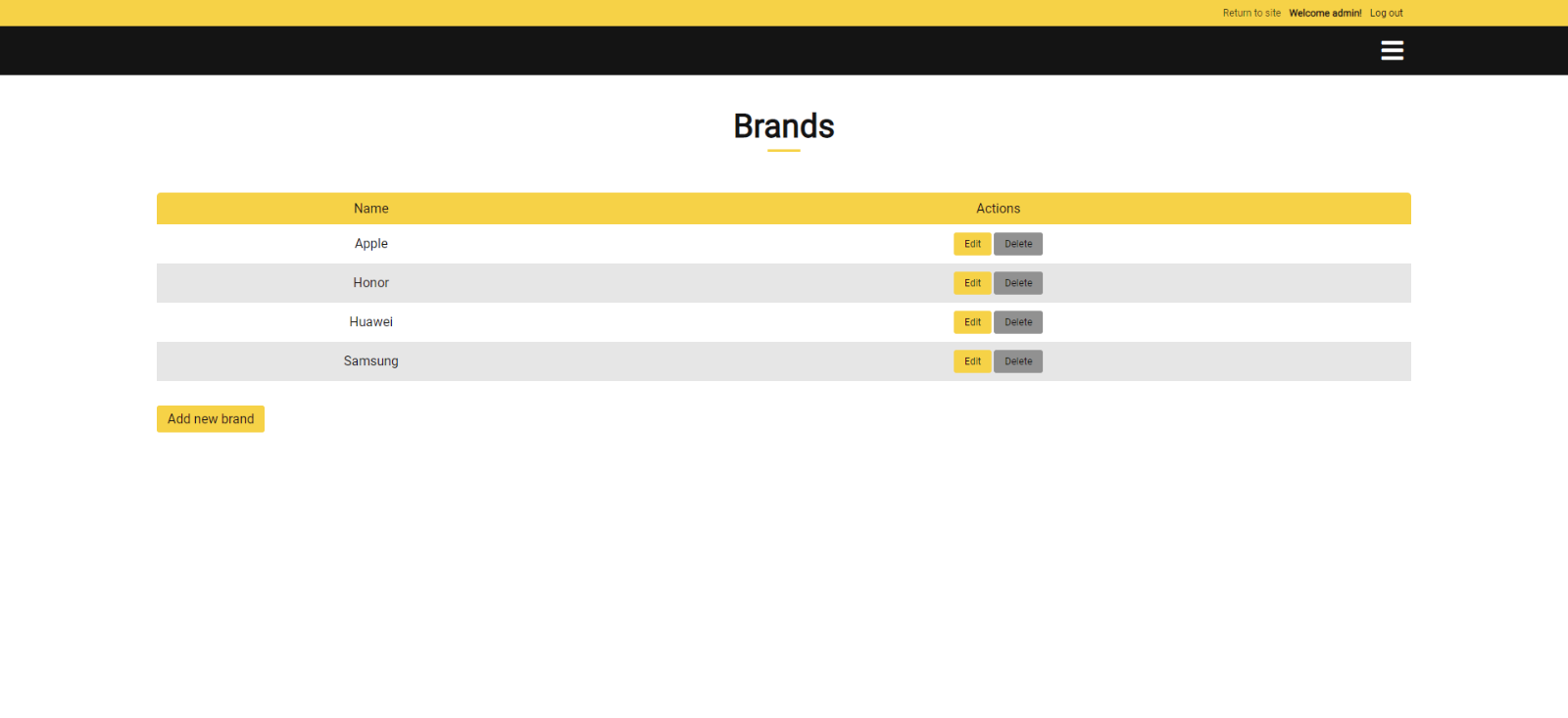
Klikom na taster ‘Add new user’, korisniku se otvara forma za dodavanje novog korisnika. Provera ove forme se vrši na isti način kao i provera forme za izmenu korisnika.

#### Uređaji



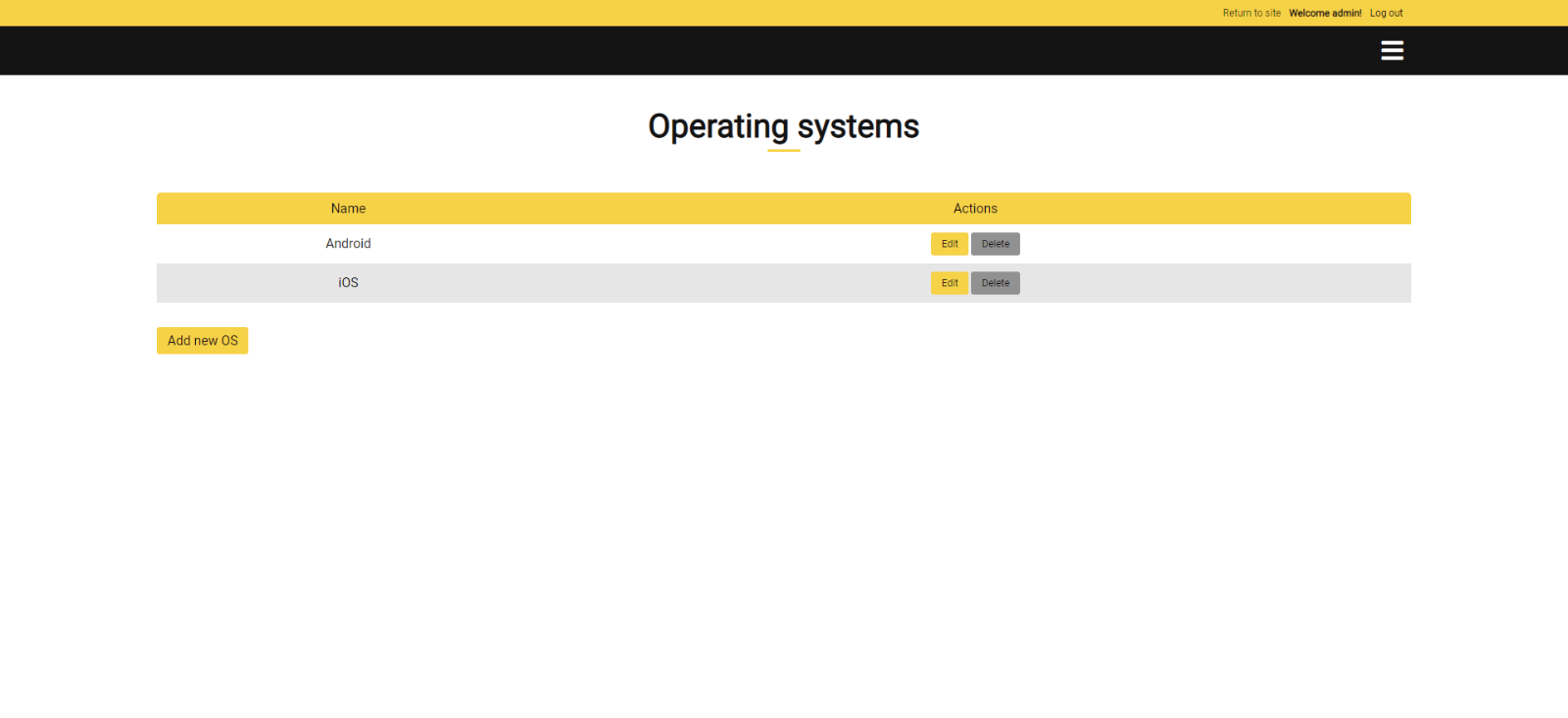
Deo za upravljanje uređajima radi na istom principu kao u deo za upravljanje korisnicima.

#### Brendovi



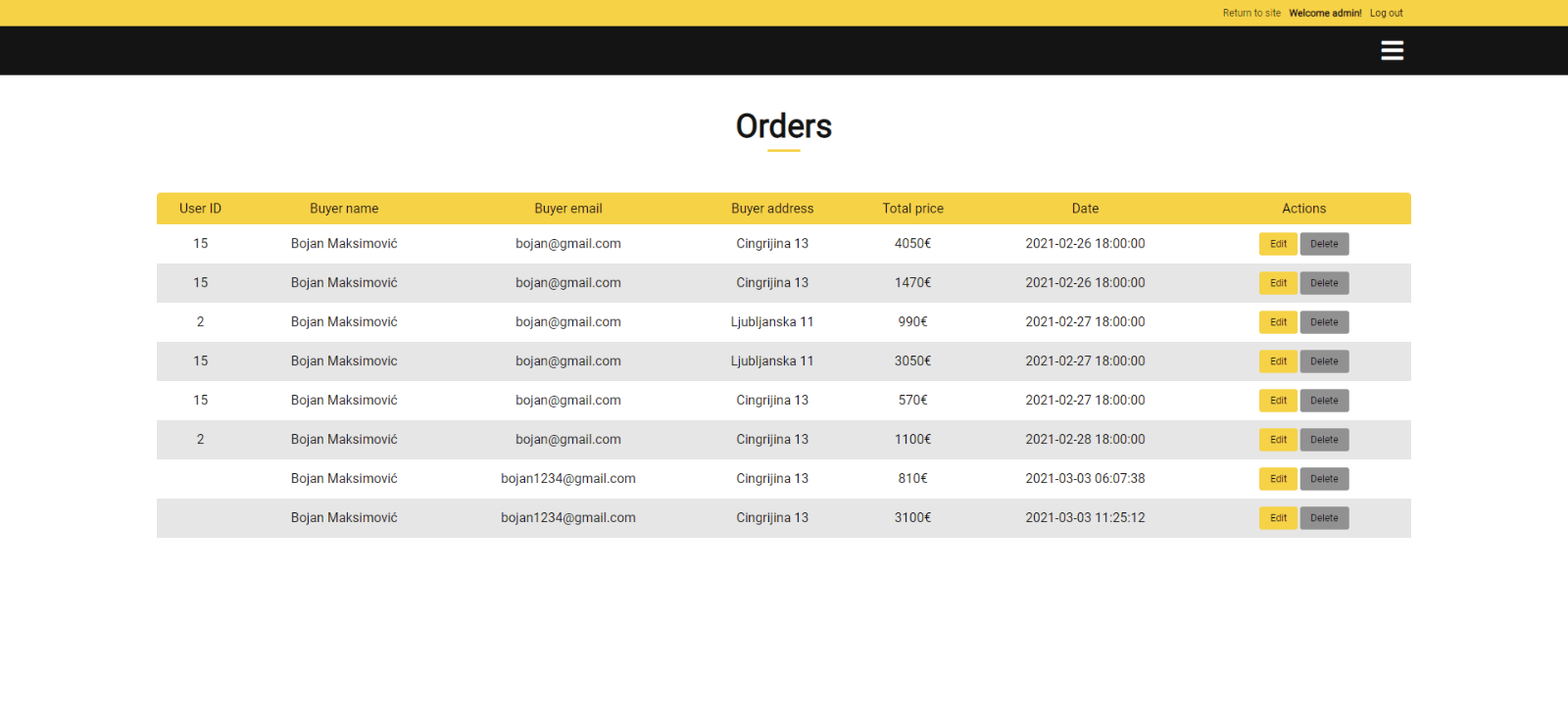
Deo za upravljanje brendovima radi na istom principu kao u deo za upravljanje korisnicima.

#### Operativni sistemi



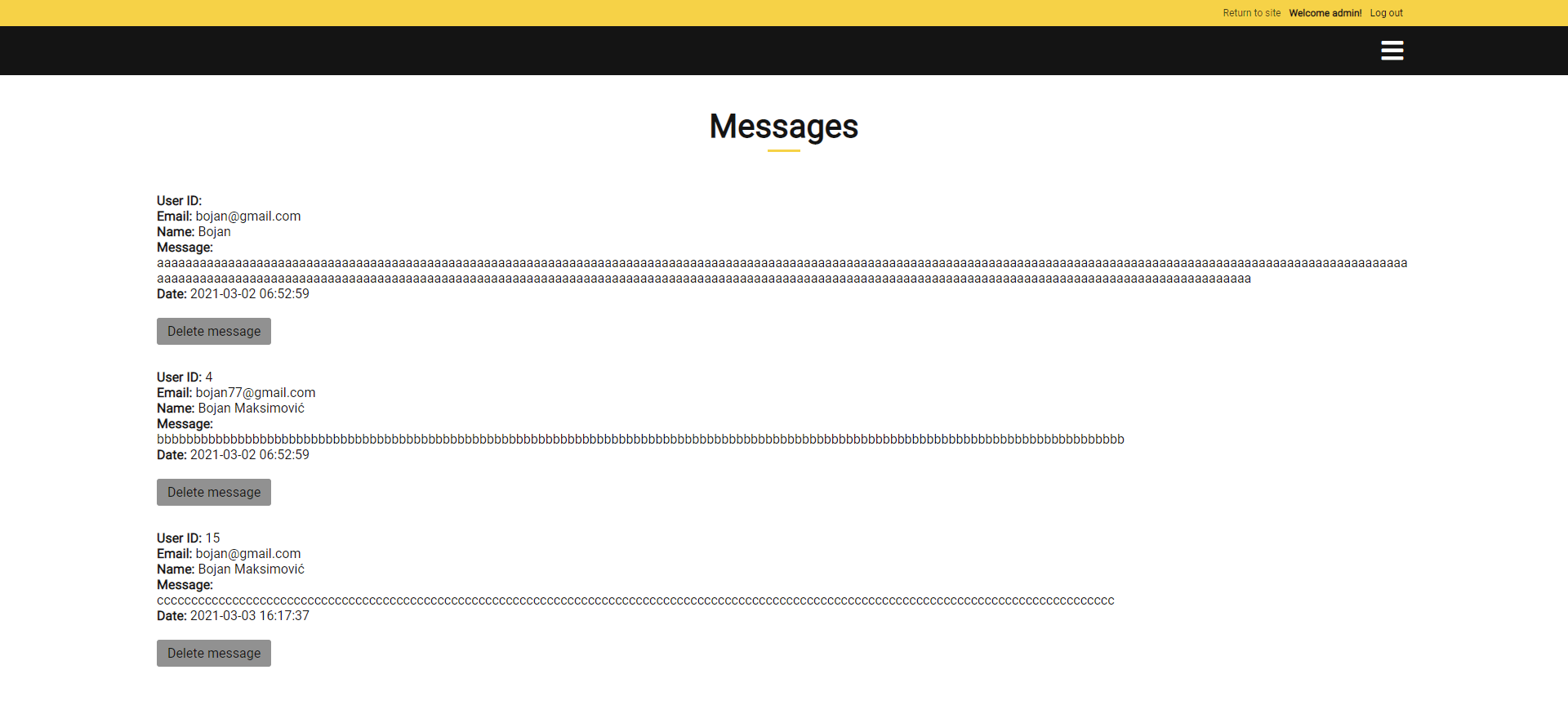
Deo za upravljanje operativnim sistemima radi na istom principu kao u deo za upravljanje korisnicima.

#### Porudžbine



Deo za upravljanje porudžbinama radi na istom principu kao u deo za upravljanje korisnicima osim što nema taster za kreiranje nove porudžbine.

#### Poruke



U delu za upravljanje sa porukama, poruke koje su upisane u bazu preko kontakt forme na stranici contact.php se ispisuju u zasebnim div-ovima sa sve tasterom ‘Delete message’ koji radi na istom principu kao i ‘Delete’ tasteri na ostalim delovima stranice.

# Kodovi

## 3.1 PHP

### index.php

<?php

    session\_start();

    include("assets/php/connection/connection.php");

    include("assets/php/functions.php");

    userStillExists();

?>

<!DOCTYPE html>

<html lang="en">

    <head>

        <title>Mobi Shop | Home</title>

        <meta name="keywords" content="Mobi Shop, smartphones, cell phones, Shop, Home"/>

        <meta name="description" content="Mobi Shop gives you a chance to quickly and easily find the phone you want and have it delivered to your home in no time..."/>

        <?php

            include("assets/php/pages/head-content.php");

        ?>

    </head>

    <body>

        <?php

            include("assets/php/pages/header.php");

            include("assets/php/pages/survey.php");

        ?>

        <section id="slider">

            <div class="cover">

                <div class="container">

                    <div id="sliderText">

                        <h2 class="font-xxl">All New Phones</h2>

                        <p class="font-medium">Special deals on the latest cell phones and smartphones. Stay connected in style, we've got you covered.</p>

                        <a href="devices.php" class="font-small">Shop now</a>

                    </div>

                </div>

            </div>

            <?php

                printSliderImages();

            ?>

        </section>

        <section id="aboutUs" class="bgWhite">

            <div class="container">

                <div id="aboutUsImage">

                    <img src="assets/img/aboutUsImage.png" alt="Image of a phone"/>

                </div>

                <div id="aboutUsText">

                    <h3 class="font-large">About Us</h3>

                    <h4 class="font-xxl">Mobi Shop</h4>

                    <p class="font-small">Mobi Shop gives you a chance to quickly and easily find the phone you want and have it delivered to your home in no time, regardless of your location, as long as it is in one of the countries of the EU.</p>

                    <br/>

                    <p class="font-small">We have been in the business for quite a while now, and it that time we have not only managed to make close relationships with numerous suppliers all over the world, but also to recognize what people need.</p>

                </div>

            </div>

        </section>

        <?php

            include("assets/php/pages/footer.php");

        ?>

        <script type="text/javascript" src="assets/js/home.min.js"></script>

    </body>

</html>

### devices.php

<?php

    session\_start();

    include("assets/php/connection/connection.php");

    include("assets/php/functions.php");

    userStillExists();

?>

<!DOCTYPE html>

<html lang="en">

    <head>

        <title>Mobi Shop | Devices</title>

        <meta name="keywords" content="Mobi Shop, smartphones, Android, iOS, Devices"/>

        <meta name="description" content="Mobi Shop gives you a chance to quickly and easily find the phone you want and have it delivered to your home in no time..."/>

        <?php

            include("assets/php/pages/head-content.php");

        ?>

    </head>

    <body>

        <?php

            include("assets/php/pages/header.php");

            include("assets/php/pages/survey.php");

        ?>

        <section id="devicesMain" class="bgWhite main">

            <div class="container">

                <div id="filters">

                    <form>

                        <div class="formGroup">

                            <input type="text" name="tbSearch" id="tbSearch" class="font-small textField" placeholder="Search" autocomplete="off"/>

                        </div>

                        <div class="formGroup">

                            <select name="ddlOrder" id="ddlOrder" class="textField font-small filterAction">

                                <option value="0">Sort order</option>

                                <option value="nameAZ">Name A-Z</option>

                                <option value="nameZA">Name Z-A</option>

                                <option value="priceASC">Price Ascending</option>

                                <option value="priceDESC">Price Descending</option>

                            </select>

                        </div>

                        <div id="chbGroups">

                            <?php

                                printChbGroup('OS', 'operatingsystems');

                                printChbGroup('Brand', 'brands');

                            ?>

                        </div>

                        <div class="formGroup">

                            <input type="range" name="rnPrice" id="rnPrice" min="0" max="2000" value="2000" class="filterAction"/>

                            <label id="priceRange" class="font-small"></label>

                        </div>

                    </form>

                </div>

                <div id="devicesContainer">

                </div>

            </div>

        </section>

        <?php

            include("assets/php/pages/footer.php");

        ?>

        <script type="text/javascript" src="assets/js/devices.min.js"></script>

    </body>

</html>

### contact.php

<?php

    session\_start();

    include("assets/php/connection/connection.php");

    include("assets/php/functions.php");

    userStillExists();

?>

<!DOCTYPE html>

<html lang="en">

    <head>

        <title>Mobi Shop | Contact</title>

        <meta name="keywords" content="Mobi Shop, smartphones, cell phones, Form, Contact"/>

        <meta name="description" content="If you wish to reach out to us, you can do so via social media, the information listed below, or by filling out the contact form."/>

        <?php

            include("assets/php/pages/head-content.php");

        ?>

    </head>

    <body>

        <?php

            include("assets/php/pages/header.php");

            include("assets/php/pages/survey.php");

        ?>

        <section id="contactMain" class="bgWhite main">

            <div class="heading">

                <h2 class="font-xl">Contact</h2>

                <span class="underline"></span>

            </div>

            <div class="container">

                <div id="contactText" class="contactCol">

                    <p class="font-small">If you wish to reach out to us, you can do so via social media, the information listed below, or by filling out the contact form.</p>

                    <ul>

                        <li class="font-small">

                            <i class="fas fa-phone"></i>

                            <span>+381 65/518-3225</span>

                        </li>

                        <li class="font-small">

                            <i class="fas fa-envelope"></i>

                            <span>bojan.maxim075@gmail.com</span>

                        </li>

                    </ul>

                </div>

                <div id="contactForm" class="contactCol">

                    <div class="heading">

                        <h2 class="font-large">Contact form</h2>

                    </div>

                    <form>

                        <div class="formGroup">

                            <label for="tbEmail" class="font-small">Email:</label>

                            <input type="email" name="tbEmail" id="tbEmail" class="font-small textField" autocomplete="off"/>

                            <label class="errorMessage font-small">examplename@example.com</label>

                        </div>

                        <div class="formGroup">

                            <label for="tbName" class="font-small">Name:</label>

                            <input type="text" name="tbName" id="tbName" class="font-small textField" autocomplete="off"/>

                            <label class="errorMessage font-small">

                                <ul>

                                    <li>- A name cannot have less than 3 characters</li>

                                    <li>- Each word of your name must be capitalized</li>

                                </ul>

                            </label>

                        </div>

                        <div class="formGroup">

                            <label for="tbMessage" class="font-small">Message:</label>

                            <textarea name="tbMessage" id="tbMessage" cols="30" rows="10" class="font-small textField" maxlength="500"></textarea>

                            <label class="errorMessage font-small">Your message (without spacing characters) cannot be shorter than 20 characters or longer than 500 characters in total.</label>

                        </div>

                        <span class="textCenter">

                            <button name="btnSend" id="btnSend" class="btnPrimary">

                                <i class="fas fa-paper-plane font-small"></i>

                            </button>

                        </span>

                    </form>

                </div>

            </div>

        </section>

        <?php

            include("assets/php/pages/footer.php");

        ?>

        <script type="text/javascript" src="assets/js/contact.min.js"></script>

    </body>

</html>

### author.php

<?php

    session\_start();

    include("assets/php/connection/connection.php");

    include("assets/php/functions.php");

    userStillExists();

?>

<!DOCTYPE html>

<html lang="en">

    <head>

        <title>Mobi Shop | Author</title>

        <meta name="keywords" content="Mobi Shop, smartphones, cell phones, Portfolio, Author"/>

        <meta name="description" content="My name is Bojan and I am an aspiring front-end web developer. My approach to website design is to create a website..."/>

        <?php

            include("assets/php/pages/head-content.php");

        ?>

    </head>

    <body>

        <?php

            include("assets/php/pages/header.php");

            include("assets/php/pages/survey.php");

        ?>

        <section id="authorMain" class="bgWhite main">

            <div class="heading">

                <h2 class="font-xl">Author</h2>

                <div class="underline"></div>

            </div>

            <div class="container">

                <div id="authorInfo" class="authorCol">

                    <div id="authorImage">

                        <img src="assets/img/author.jpg" alt="Photo of the author">

                    </div>

                    <span class="font-medium bold">Bojan Maksimović 92/19</span>

                    <span class="font-small">Web Developer</span>

                    <span id="authorSocial">

                        <ul>

                            <?php

                                printAuthorSocials();

                            ?>

                        </ul>

                    </span>

                </div>

                <div id="authorText" class="authorCol">

                    <p class="font-small">My name is Bojan and I am an aspiring front-end web developer. My approach to website design is to create a website that strengthens your company’s brand while ensuring ease of use and simplicity for your audience.</p>

                    <br/>

                    <p class="font-small">The way I look at it, a front-end developer's role is to combine design and business logic to achieve a user-facing product. To do this successfully, a wide skill set is necessary to produce a quality user experience that leads to meeting business goals, and I guarantee I've got exactly what's needed.</p>

                    <div class="portfolioLink">

                        <a href="https://bokule.github.io/portfolio/" target="\_blank" class="font-small uppercase btnPrimary">Portfolio</a>

                    </div>

                </div>

            </div>

        </section>

        <?php

            include("assets/php/pages/footer.php");

        ?>

    </body>

</html>

### cart.php

<?php

    session\_start();

    include("assets/php/connection/connection.php");

    include("assets/php/functions.php");

    userStillExists();

    if(!isset($\_SESSION['user'])) {

        header('Location: 401.php');

    }

?>

<!DOCTYPE html>

<html lang="en">

    <head>

        <title>Mobi Shop | Cart</title>

        <meta name="keywords" content="Mobi Shop, smartphones, cell phones, Checkout, Cart"/>

        <meta name="description" content="Mobi Shop gives you a chance to quickly and easily find the phone you want and have it delivered to your home in no time..."/>

        <?php

            include("assets/php/pages/head-content.php");

        ?>

    </head>

    <body>

        <?php

            include("assets/php/pages/header.php");

            include("assets/php/pages/survey.php");;

        ?>

        <section id="cartMain" class="bgWhite main">

            <div class="container">

                <div id="cartList" class="tableWrapper">

                    <table class="font-small table" cellspacing="0">

                        <thead>

                            <tr>

                                <td class="colDeviceName">Device name</td>

                                <td class="colPrice">Price</td>

                                <td class="colQuantity">Quantity</td>

                                <td class="colRemove"><i class="fas fa-trash"></i></td>

                            </tr>

                        </thead>

                        <tbody>

                        </tbody>

                    </table>

                </div>

                <div id="checkout">

                    <form>

                        <div class="formGroup">

                            <label for="tbName" class="font-small">Full name:</label>

                            <input type="text" name="tbName" id="tbName" class="textField font-small" autocomplete="off"/>

                            <label class="errorMessage">

                                <ul class="font-small">

                                    <li>- A name cannot have less than 3 characters</li>

                                    <li>- Has to be at least 2 words</li>

                                    <li>- Each word must be capitalized</li>

                                </ul>

                            </label>

                        </div>

                        <div class="formGroup">

                            <label for="tbEmail" class="font-small">Email:</label>

                            <input type="email" name="tbEmail" id="tbEmail" class="textField font-small" autocomplete="off"/>

                            <label class="errorMessage font-small">examplename@example.com</label>

                        </div>

                        <div class="formGroup">

                            <label for="tbAddress" class="font-small">Address:</label>

                            <input type="text" name="tbAddress" id="tbAddress" class="textField font-small" autocomplete="off"/>

                            <label class="errorMessage font-small">[Street Name] [Home Number]/[Apartment Number]</label>

                        </div>

                    </form>

                    <br/>

                    <span id="totalPrice" class="font-small">Total Price: <span class="bold"></span></span>

                    <br/>

                    <button id="btnCheckout" class="font-small btnPrimary">Checkout</button>

                </div>

            </div>

        </section>

        <?php

            include("assets/php/pages/footer.php");

        ?>

        <script type="text/javascript" src="assets/js/cart.min.js"></script>

    </body>

</html>

### admin.php

<?php

    session\_start();

    include("assets/php/connection/connection.php");

    include("assets/php/functions.php");

    userStillExists();

    redirectTo404();

?>

<!DOCTYPE html>

<html lang="en">

    <head>

        <title>Mobi Shop | Admin panel</title>

        <?php

            include("assets/php/pages/head-content.php");

        ?>

    </head>

    <body>

        <?php

            include("assets/php/pages/admin-header.php");

        ?>

        <div id="adminMain">

            <div class="container">

            </div>

        </div>

        <?php

            include("assets/php/pages/scripts.php");

        ?>

        <script type="text/javascript" src="assets/js/admin.min.js"></script>

    </body>

</html>

### 401.php

<!DOCTYPE html>

<html lang="en">

    <head>

        <title>Unauthorized</title>

        <?php

            include("assets/php/pages/head-content.php");

        ?>

    </head>

    <body>

        <div id="errorPage">

            <div class="container">

                <h1 class="font-xxl">401</h1>

                <p class="font-small">Log in to gain access to this page.</p>

                <a href="index.php" class="font-small">Return to the home page</a>

            </div>

        </div>

    </body>

</html>

### functions.php

<?php

    // UNIVERSAL

    function fetchAllFromDatabase($table) {

        global $connection;

        $query = "SELECT \* FROM $table";

        return $connection->query($query)->fetchAll();

    }

    function fetchFromDatabase($query) {

        global $connection;

        return $connection->query($query)->fetchAll();

    }

    // LOGIN

    function userStillExists() {

        if(isset($\_SESSION['user'])) {

            if(!userExists($\_SESSION['user']->id, 'id')) {

                unset($\_SESSION['user']);

            }

        }

    }

    function userExists($value, $column) {

        global $connection;

        $query = "SELECT \* FROM users WHERE $column = :$column";

        $execution = $connection->prepare($query);

        $execution->bindParam(":$column", $value);

        $execution->execute();

        $result = $execution->fetch();

        return $result;

    }

    function getUser($email, $password) {

        global $connection;

        $query = "SELECT \* FROM users WHERE email = :email AND password = :password";

        $execution = $connection->prepare($query);

        $execution->bindParam(":email", $email);

        $execution->bindParam(":password", $password);

        $execution->execute();

        $result = $execution->fetch();

        return $result;

    }

    function addNewUser($username, $email, $password) {

        global $connection;

        $query = "INSERT INTO users(`username`, `email`, `password`, `role`) VALUES(:username, :email, :password, 1)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':username', $username);

        $execution->bindParam(':email', $email);

        $securePassword = md5($password);

        $execution->bindParam(':password', $securePassword);

        $result = $execution->execute();

        return $result;

    }

    function getRoleName($id) {

        global $connection;

        $query = "SELECT name FROM roles WHERE id = :id";

        $execution = $connection->prepare($query);

        $execution->bindParam(':id', $id);

        $execution->execute();

        $result = $execution->fetch();

        return $result->name;

    }

    // HEADER

    function printNavLinks() {

        $links = fetchAllFromDatabase('pagelinks');

        foreach($links as $link) {

            echo("<li><a href='$link->href' class='font-small'>$link->name</a></li>");

        }

    }

    // FOOTER

    function printFooterSocials() {

        $links = fetchAllFromDatabase('sociallinks');

        foreach($links as $link) {

            echo("<li><a href='$link->href' class='font-small' target='\_blank'><i class='$link->icon'></i><span class='socialText'>$link->name</span></a></li>");

        }

    }

    // HOME

    function printSliderImages() {

        $images = fetchAllFromDatabase('sliderimages');

        foreach($images as $image) {

            echo("<div class='slide' style='background-image: url(assets/img/$image->image.jpg)'></div>");

        }

    }

    // DEVICES

    function printChbGroup($label, $table) {

        $values = fetchFromDatabase("SELECT \* FROM $table ORDER BY name");

        echo("<div class='formGroup'><label class='font-small'>$label:</label>");

        foreach($values as $value) {

            echo("<div class='checkboxGroup'><input type='checkbox' name='chb$value->name' id='chb$value->name' value='$value->id' class='chb$label filterAction'/><label for='chb$value->name' class='font-small'>$value->name</label></div>");

        }

        echo("</div>");

    }

    function printDevices($devices, $numberOfDevices) {

        if(count($devices) == 0) return('<p class="font-large">Oops. Seems like there are no items that match your search criteria.</p>');

        else {

            $html = '';

            foreach($devices as $device) {

                $html .= "<div class='device'><div class='deviceImage'><img src='assets/img/$device->image' alt='$device->name'/></div><div class='deviceText'><label class='font-medium deviceName'>$device->name</label><label class='font-medium devicePrice'>$device->price"."€"."</label><div class='textCenter'><button class='font-small btnPrimary btnAddToCart' data-id='$device->device\_id'><i class='fas fa-shopping-cart font-medium'></i>+</button></div></div></div>";

            }

            // PAGE NAVIGATION

            $numberOfPages = ceil($numberOfDevices/6);

            $html .= "<div id='paging'><ul class='font-small'><li><a href='#' class='btnPrimary prevPage'><</a></li>";

            for($i = 1; $i <= $numberOfPages; $i++) {

                $html .= "<li><a class='btnPrimary btnPage' data-page='$i'>$i</a></li>";

            }

            $html .= "<li><a href='#' class='btnPrimary nextPage'>></a></li></ul></div>";

            return $html;

        }

    }

    // filtering

    function deviceFilteringBindParams($execution) {

        if(isset($\_GET['search'])) {

            $searchValue = "%" . $\_GET['search'] . "%";

            $execution->bindParam(':search', $searchValue);

        }

        if(isset($\_GET['os'])) {

            $osValue = implode(', ', $\_GET['os']);

            $execution->bindParam(':os', $osValue);

        }

        if(isset($\_GET['brand'])) {

            $brandValue = implode(', ', $\_GET['brand']);

            $execution->bindParam(':brand', $brandValue);

        }

        if(isset($\_GET['priceRange'])) {

            $execution->bindParam(':price', $\_GET['priceRange']);

        }

        return $execution;

    }

    // CONTACT

    function addContactMessage($email, $name, $message) {

        session\_start();

        if(isset($\_SESSION['user'])) $userId = $\_SESSION['user']->id;

        else $userId = NULL;

        global $connection;

        $query = "INSERT INTO contactmessages(`user\_id`, `email`, `name`, `message`) VALUES (:userId, :email, :name, :message)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':userId', $userId);

        $execution->bindParam(':email', $email);

        $execution->bindParam(':name', $name);

        $execution->bindParam(':message', $message);

        $result = $execution->execute();

        return $result;

    }

    // AUTHOR

    function printAuthorSocials() {

        $values = fetchAllFromDatabase('authorsocials');

        foreach($values as $value) {

            echo("<li><a href='$value->href' class='font-small' target='\_blank'><i class='$value->icon' style='color: $value->color;'></i></a></li>");

        }

    }

    // CART

    function checkout($name, $email, $address, $totalPrice, $details) {

        session\_start();

        global $connection;

        $userId = $\_SESSION['user']->id;

        $query = "INSERT INTO orders(`user\_id`, `buyer\_name`, `buyer\_email`, `buyer\_address`, `total\_price`) VALUES (:userId, :name, :email, :address, :totalPrice)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':userId', $userId);

        $execution->bindParam(':name', $name);

        $execution->bindParam(':email', $email);

        $execution->bindParam(':address', $address);

        $execution->bindParam(':totalPrice', $totalPrice);

        $result = $execution->execute();

        if($result) {

            $orderId = $connection->lastInsertId();

            foreach($details as $el) {

                $query = "INSERT INTO orderdetails(`order\_id`, `device\_id`, `device\_price`, `quantity`) VALUES (:orderId, :deviceId, :price, :quantity)";

                $execution = $connection->prepare($query);

                $execution->bindParam(':orderId', $orderId);

                $execution->bindParam(':deviceId', $el['id']);

                $execution->bindParam(':price', $el['price']);

                $execution->bindParam(':quantity', $el['quantity']);

                $result = $execution->execute();

                if(!$result) return false;

            }

            return true;

        } else {

            return false;

        }

    }

    // SURVEY

    function surveyAlreadyCompleted($userId) {

        global $connection;

        $query = "SELECT \* FROM survey WHERE user\_id = :userId";

        $execution = $connection->prepare($query);

        $execution->bindParam(':userId', $userId);

        $execution->execute();

        $result = $execution->fetch();

        return $result;

    }

    function addSurveyAnswer($userId, $answer) {

        global $connection;

        $query = "INSERT INTO survey(`user\_id`, `answer`) VALUES (:userId, :answer)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':userId', $userId);

        $execution->bindParam(':answer', $answer);

        $result = $execution->execute();

        return $result;

    }

    function getSurveyResults($answer) {

        global $connection;

        $query = "SELECT \* FROM survey WHERE answer = :answer";

        $execution = $connection->prepare($query);

        $execution->bindParam(':answer', $answer);

        $execution->execute();

        $result = count($execution->fetchAll());

        return $result;

    }

    // ADMIN PAGE

    function redirectTo404() {

        if(!isset($\_SESSION['user'])) {

            header('HTTP/1.0 404 Not Found');

            die;

        } else {

            if(getRoleName($\_SESSION['user']->role) != 'admin') {

                header('HTTP/1.0 404 Not Found');

                die;

            }

        }

    }

    function printAdminNavLinks() {

        $links = fetchAllFromDatabase('adminnavlinks');

        foreach($links as $link) {

            echo("<li><a href='$link->href' class='font-small'>$link->name</a></li>");

        }

    }

    function printAdminSectionUsers() {

        $users = fetchAllFromDatabase('users');

        $html = "<div id='users' class='adminSection' data-print='print-users.php' data-editform='edit-user-form.php' data-delete='delete-user.php'><div class='heading'><h2 class='font-xl'>Users</h2><span class='underline'><span></div><div class='tableWrapper'><table cellspacing='0' class='table'><thead><tr><td class='colUserId'>ID</td><td class='colUsername'>Username</td><td class='colUserEmail'>Email</td><td class='colRole'>Role</td><td class='colUserActive'>Active</td><td class='colActions'>Actions</td></tr></tdead><tbody>";

        foreach($users as $user) {

            $html .= "

            <tr data-id='$user->id'>

                <td class='colUserId'>$user->id</td>

                <td class='colUsername'>$user->username</td>

                <td class='colUserEmail'>$user->email</td>

                <td class='colRole'>" . getRoleName($user->role) . "</td>

                <td class='colUserActive'>$user->active</td>

                <td class='colActions'>";

                if($\_SESSION['user']->id != $user->id) $html .= "<button class='btnEdit btnPrimary font-xs'>Edit</button><button class='btnDelete btnPrimary font-xs'>Delete</button>";

                $html .= "</td></tr>";

        }

        $html .= "</tbody></table></div><button data-form='add-user-form.php' class='btnPrimary btnAdminAdd font-small'>Add new user</button></div>";

        return $html;

    }

    function getValueByColumn($target, $table, $column, $value) {

        global $connection;

        $query = "SELECT $target FROM $table WHERE $column = :$column";

        $execution = $connection->prepare($query);

        $execution->bindParam(":$column", $value);

        $execution->execute();

        $result = $execution->fetchColumn();

        return $result;

    }

    function getOSName($id) {

        return getValueByColumn('name', 'operatingsystems', 'id', $id);

    }

    function getBrandName($id) {

        return getValueByColumn('name', 'brands', 'id', $id);

    }

    function printAdminSectionDevices() {

        $devices = fetchAllFromDatabase('devices');

        $html = "<div id='devices' class='adminSection' data-print='print-devices.php' data-delete='delete-device.php' data-editform='edit-device-form.php'><div class='heading'><h2 class='font-xl'>Devices</h2><span class='underline'><span></div><div class='tableWrapper'><table cellspacing='0' class='table'><thead><tr><td class='colDeviceName'>Name</td><td class='colDeviceImage'>Image</td><td class='colDeviceOS'>OS</td><td class='colDeviceBrand'>Brand</td><td class='colDevicePrice'>Price</td><td class='colDeviceActive'>Active</td><td class='colActions'>Actions</td></tr></tdead><tbody>";

        foreach($devices as $device) {

            $html .= "

            <tr data-id='$device->device\_id'>

                <td class='colDeviceName'>$device->name</td>

                <td class='colDeviceImage'>$device->image</td>

                <td class='colDeviceOS'>" . getOSName($device->os) . "</td>

                <td class='colDeviceBrand'>" . getBrandName($device->brand) . "</td>

                <td class='colDevicePrice'>$device->price". "€" . "</td>

                <td class='colDeviceActive'>$device->active</td>

                <td class='colActions'><button class='btnEdit btnPrimary font-xs'>Edit</button><button class='btnDelete btnPrimary font-xs'>Delete</button></td>

            </tr>";

        }

        $html .= "</tbody></table></div><button data-form='add-device-form.php' class='btnPrimary btnAdminAdd font-small'>Add new device</button></div>";

        return $html;

    }

    function printAdminSectionBrands() {

        $brands = fetchAllFromDatabase('brands');

        $html = "<div id='brands' class='adminSection' data-print='print-brands.php' data-delete='delete-brand.php' data-editform='edit-brand-form.php'><div class='heading'><h2 class='font-xl'>Brands</h2><span class='underline'><span></div><div class='tableWrapper'><table cellspacing='0' class='table'><thead><tr><td class='colBrandName'>Name</td><td class='colActions'>Actions</td></tr></tdead><tbody>";

        foreach($brands as $brand) {

            $html .= "

            <tr data-id='$brand->id'>

                <td class='colBrandName'>$brand->name</td>

                <td class='colActions'><button class='btnEdit btnPrimary font-xs'>Edit</button><button class='btnDelete btnPrimary font-xs'>Delete</button></td>

            </tr>";

        }

        $html .= "</tbody></table></div><button data-form='add-brand-form.php' class='btnPrimary btnAdminAdd font-small'>Add new brand</button></div>";

        return $html;

    }

    function printAdminSectionOS() {

        $operatingSystems = fetchAllFromDatabase('operatingsystems');

        $html = "<div id='operatingSystems' class='adminSection' data-print='print-operating-systems.php' data-delete='delete-os.php' data-editform='edit-os-form.php'><div class='heading'><h2 class='font-xl'>Operating systems</h2><span class='underline'><span></div><div class='tableWrapper'><table cellspacing='0' class='table'><thead><tr><td class='colOSName'>Name</td><td class='colActions'>Actions</td></tr></tdead><tbody>";

        foreach($operatingSystems as $os) {

            $html .= "

            <tr data-id='$os->id'>

                <td class='colOSName'>$os->name</td>

                <td class='colActions'><button class='btnEdit btnPrimary font-xs'>Edit</button><button class='btnDelete btnPrimary font-xs'>Delete</button></td>

            </tr>";

        }

        $html .= "</tbody></table></div><button data-form='add-os-form.php' class='btnPrimary btnAdminAdd font-small'>Add new OS</button></div>";

        return $html;

    }

    function printAdminSectionOrders() {

        $orders = fetchAllFromDatabase('orders');

        $html = "<div id='orders' class='adminSection' data-print='print-orders.php' data-delete='delete-order.php' data-editform='edit-order-form.php'><div class='heading'><h2 class='font-xl'>Orders</h2><span class='underline'><span></div><div class='tableWrapper'><table cellspacing='0' class='table'><thead><tr><td class='colOrderUserId'>User ID</td><td class='colBuyerName'>Buyer name</td><td class='colBuyerEmail'>Buyer email</td><td class='colBuyerAddress'>Buyer address</td><td class='colTotalPrice'>Total price</td><td class='colOrderDate'>Date</td><td class='colActions'>Actions</td></tr></tdead><tbody>";

        foreach($orders as $order) {

            $html .= "

            <tr data-id='$order->order\_id'>

                <td class='colOrderUserId'>$order->user\_id</td>

                <td class='colBuyerName'>$order->buyer\_name</td>

                <td class='colBuyerEmail'>$order->buyer\_email</td>

                <td class='colBuyerAddress'>$order->buyer\_address</td>

                <td class='colTotalPrice'>$order->total\_price". "€" . "</td>

                <td class='colOrderDate'>$order->date</td>

                <td class='colActions'><button class='btnEdit btnPrimary font-xs'>Edit</button><button class='btnDelete btnPrimary font-xs'>Delete</button></td>

            </tr>";

        }

        $html .= "</tbody></table></div></div>";

        return $html;

    }

    function printAdminSectionMessages() {

        $messages = fetchAllFromDatabase('contactmessages');

        $html = "<div id='messages' class='adminSection' data-print='print-messages.php' data-delete='delete-message.php'><div class='heading'><h2 class='font-xl'>Messages</h2><span class='underline'><span></div>";

        foreach($messages as $message) {

            $html .= "<div class='messageContainer font-small' data-id='$message->message\_id'><span><span class='bold'>User ID: </span>$message->user\_id</span><br/><span><span class='bold'>Email: </span>$message->email</span><br/><span><span class='bold'>Name: </span>$message->name</span><br/><span class='bold'>Message:</span><br/><p class='messageContent'>$message->message</p><span><span class='bold'>Date: </span>$message->date</span><br/><button class='btnPrimary btnDeleteMessage btnDelete font-small'>Delete message</button></div>";

        }

        $html .= "</div>";

        return $html;

    }

    function exists($table, $column, $value) {

        global $connection;

        $query = "SELECT \* FROM $table WHERE $column = :$column";

        $execution = $connection->prepare($query);

        $execution->bindParam(":$column", $value);

        $execution->execute();

        $result = $execution->fetch();

        return $result;

    }

    // adding

    function adminAddNewUser($username, $email, $password, $role) {

        global $connection;

        $query = "INSERT INTO users(`username`, `email`, `password`, `role`) VALUES(:username, :email, :password, :role)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':username', $username);

        $execution->bindParam(':email', $email);

        $securePassword = md5($password);

        $execution->bindParam(':password', $securePassword);

        $execution->bindParam(':role', $role);

        $result = $execution->execute();

        return $result;

    }

    function addNewDevice($name, $image, $os, $brand, $price) {

        global $connection;

        $query = "INSERT INTO devices(`name`, `image`, `os`, `brand`, `price`) VALUES(:name, :image, :os, :brand, :price)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':name', $name);

        $execution->bindParam(':image', $image);

        $execution->bindParam(':os', $os);

        $execution->bindParam(':brand', $brand);

        $execution->bindParam(':price', $price);

        $result = $execution->execute();

        return $result;

    }

    function addNewBrand($name) {

        global $connection;

        $query = "INSERT INTO brands(`name`) VALUES(:name)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':name', $name);

        $result = $execution->execute();

        return $result;

    }

    function addNewOS($name) {

        global $connection;

        $query = "INSERT INTO operatingsystems(`name`) VALUES(:name)";

        $execution = $connection->prepare($query);

        $execution->bindParam(':name', $name);

        $result = $execution->execute();

        return $result;

    }

    // editing

    function getInstanceByColumn($table, $column, $value) {

        global $connection;

        $query = "SELECT \* FROM $table WHERE $column = :$column";

        $execution = $connection->prepare($query);

        $execution->bindParam(":$column", $value);

        $execution->execute();

        $result = $execution->fetch();

        return $result;

    }

    function getUserById($id) {

        return getInstanceByColumn('users', 'id', $id);

    }

    function getDeviceById($id) {

        return getInstanceByColumn('devices', 'device\_id', $id);

    }

    function getBrandById($id) {

        return getInstanceByColumn('brands', 'id', $id);

    }

    function getOSById($id) {

        return getInstanceByColumn('operatingsystems', 'id', $id);

    }

    function getOrderById($id) {

        return getInstanceByColumn('orders', 'order\_id', $id);

    }

    function updateDevice($id, $name, $image, $os, $brand, $price, $active) {

        global $connection;

        $query = "UPDATE devices SET name = :name, image = :image, os = :os, brand = :brand, price = :price, active = :active WHERE device\_id = :id";

        $execution = $connection->prepare($query);

        $execution->bindParam(':name', $name);

        $execution->bindParam(':image', $image);

        $execution->bindParam(':os', $os);

        $execution->bindParam(':brand', $brand);

        $execution->bindParam(':price', $price);

        $execution->bindParam(':active', $active);

        $execution->bindParam(':id', $id);

        $result = $execution->execute();

        return $result;

    }

    function updateBrand($id, $name) {

        global $connection;

        $query = "UPDATE brands SET name = :name WHERE id = :id";

        $execution = $connection->prepare($query);

        $execution->bindParam(':name', $name);

        $execution->bindParam(':id', $id);

        $result = $execution->execute();

        return $result;

    }

    function updateOS($id, $name) {

        global $connection;

        $query = "UPDATE operatingsystems SET name = :name WHERE id = :id";

        $execution = $connection->prepare($query);

        $execution->bindParam(':name', $name);

        $execution->bindParam(':id', $id);

        $result = $execution->execute();

        return $result;

    }

    function updateOrder($id, $buyerName, $buyerEmail, $buyerAddress) {

        global $connection;

        $query = "UPDATE orders SET buyer\_name = :buyerName, buyer\_email = :buyerEmail, buyer\_address = :buyerAddress WHERE order\_id = :id";

        $execution = $connection->prepare($query);

        $execution->bindParam(':buyerName', $buyerName);

        $execution->bindParam(':buyerEmail', $buyerEmail);

        $execution->bindParam(':buyerAddress', $buyerAddress);

        $execution->bindParam(':id', $id);

        $result = $execution->execute();

        return $result;

    }

    function updateUser($id, $username, $email, $password, $role, $active) {

        global $connection;

        $query = "UPDATE users SET username = :username, email = :email, password = :password, role = :role, active = :active WHERE id = :id";

        $execution = $connection->prepare($query);

        $execution->bindParam(':username', $username);

        $execution->bindParam(':email', $email);

        $securePassword = md5($password);

        $execution->bindParam(':password', $securePassword);

        $execution->bindParam(':role', $role);

        $execution->bindParam(':active', $active);

        $execution->bindParam(':id', $id);

        $result = $execution->execute();

        return $result;

    }

    function updateUserNoPassword($id, $username, $email, $role, $active) {

        global $connection;

        $query = "UPDATE users SET username = :username, email = :email, role = :role, active = :active WHERE id = :id";

        $execution = $connection->prepare($query);

        $execution->bindParam(':username', $username);

        $execution->bindParam(':email', $email);

        $execution->bindParam(':role', $role);

        $execution->bindParam(':active', $active);

        $execution->bindParam(':id', $id);

        $result = $execution->execute();

        return $result;

    }

    // deleting

    function delete($table, $column, $value) {

        global $connection;

        $query = "DELETE FROM $table WHERE $column = :$column";

        $execution = $connection->prepare($query);

        $execution->bindParam(":$column", $value);

        $result = $execution->execute();

        return $result;

    }

    function setNull($table, $column, $value) {

        global $connection;

        $query = "UPDATE $table SET $column = NULL WHERE $column = :$column";

        $execution = $connection->prepare($query);

        $execution->bindParam(":$column", $value);

        $result = $execution->execute();

        return $result;

    }

?>

### get-user-by-id.php

<?php

    include("connection/connection.php");

    include("functions.php");

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if(userExists($id, 'id')) {

            $user = getUserById($id);

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

            echo(json\_encode($user));

        } else {

            http\_response\_code(404);

            echo("User doesn't exist.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### get-device-by-id.php

<?php

    include("connection/connection.php");

    include("functions.php");

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if(exists('devices', 'device\_id', $id)) {

            $device = getDeviceById($id);

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

            echo(json\_encode($device));

        } else {

            http\_response\_code(404);

            echo("Device doesn't exist.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### device-filtering.php

<?php

    include("connection/connection.php");

    include("functions.php");

    try {

        $query = "SELECT \* FROM devices WHERE active = 1";

        if(isset($\_GET['search'])) {

            $query .= " AND name LIKE :search";

        }

        if(isset($\_GET['os'])) {

            $query .= " AND os IN (:os)";

        }

        if(isset($\_GET['brand'])) {

            $query .= " AND brand IN (:brand)";

        }

        if(isset($\_GET['priceRange'])) {

            $query .= " AND price < :price";

        }

        //

        global $connection;

        $execution = $connection->prepare($query);

        $execution = deviceFilteringBindParams($execution);

        $execution->execute();

        $result = $execution->fetchAll();

        $numberOfDevices = count($result);

        if(isset($\_GET['order'])) {

            $order = $\_GET['order'];

            if($order != "0") {

                $text = '';

                if($order == "nameAZ") $text = "name";

                else if($order == "nameZA") $text = "name DESC";

                else if($order == "priceASC") $text = "price";

                else $text = "price DESC";

                $query .= " ORDER BY $text";

            }

        }

        $devicesPerPage = 6;

        if(isset($\_GET['page'])) {

            $page = ($\_GET['page'] - 1) \* $devicesPerPage;

            $query .= " LIMIT $page, $devicesPerPage";

        }

        //

        $execution = $connection->prepare($query);

        $execution = deviceFilteringBindParams($execution);

        $execution->execute();

        $result = $execution->fetchAll();

        $output = printDevices($result, $numberOfDevices);

        $response = ["response"=>$output];

        http\_response\_code(200);

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

        echo(json\_encode($response));

    } catch(PDOException $e) {

        http\_response\_code(500);

        echo($e->getMessage());

    }

?>

### close-survey-bar.php

<?php

    session\_start();

    $\_SESSION['user']->preventSurvey = true;

    if(isset($\_SESSION['user']->preventSurvey)) {

        http\_response\_code(200);

        echo(true);

    } else {

        http\_response\_code(400);

        echo("Error.");

    }

?>

### cart-access.php

<?php

    session\_start();

    if(!isset($\_SESSION['user'])) {

        http\_response\_code(403);

        echo("You need to be logged in to access your cart.");

    } else {

        http\_response\_code(200);

        echo(true);

    }

?>

### add-to-cart.php

<?php

    include('connection/connection.php');

    include('functions.php');

    if(isset($\_GET['deviceId'])) {

        $deviceId = $\_GET['deviceId'];

        $deviceObj = fetchFromDatabase("SELECT \* FROM devices WHERE device\_id = $deviceId");

        $device = (array)$deviceObj[0];

        $deviceName = $device["name"];

        $devicePrice = $device["price"];

        $result = ["id"=>$deviceId, "name"=>$deviceName, "price"=>$devicePrice];

        header('Content-type: application/json');

        echo(json\_encode($result));

        http\_response\_code(200);

    } else {

        http\_response\_code(400);

    }

?>

### admin-header.php

<header id="header" class="adminHeader">

    <?php

        include("login-bar.php");

    ?>

    <div class="container">

        <div id="hamburger">

            <a href="#">

                <i class="fas fa-bars font-large"></i>

            </a>

        </div>

        <div id="sideNav">

            <div class="cover">

                <div id="sideNavContent">

                    <ul>

                        <?php

                            printAdminNavLinks();

                        ?>

                    </ul>

                </div>

            </div>

        </div>

    </div>

</header>

### footer.php

<footer id="footer">

    <div class="container">

        <div id="sitemap">

            <ul>

                <?php

                    printNavLinks();

                ?>

            </ul>

        </div>

        <div id="social">

            <ul>

                <?php

                    printFooterSocials();

                ?>

            </ul>

        </div>

    </div>

    <span id="copyright" class="font-xs">&copy;2021 Bojan Maksimović</span>

</footer>

<?php

    include("scripts.php");

?>

### head-content.php

<meta charset="UTF-8"/>

<meta name="viewport" content="width=device-width, initial-scale=1.0"/>

<link rel="icon" href="assets/icon/favicon.ico"/>

<link rel="stylesheet" href="assets/css/style.min.css"/>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.2/css/all.css" crossorigin="anonymous"/>

### header.php

<?php

    $\_SESSION['page'] = $\_SERVER['REQUEST\_URI'];

?>

<header id="header">

    <?php

        include("assets/php/pages/login-bar.php");

    ?>

    <div id="logoAndNav">

        <div class="container">

            <div id="logo">

                <a href="index.php">

                    <h1 class="font-xl">MS</h1>

                </a>

            </div>

            <div id="navAndCart">

                <nav id="nav">

                    <ul>

                        <?php

                            printNavLinks();

                        ?>

                    </ul>

                </nav>

                <div id="cart">

                    <a href="cart.php">

                        <i class="fas fa-shopping-cart font-medium"></i>

                    </a>

                    <label id="cartNumber" class="font-xs"></label>

                </div>

                <div id="hamburger">

                    <a href="#">

                        <i class="fas fa-bars font-large"></i>

                    </a>

                </div>

                <div id="sideNav">

                    <div class="cover">

                        <div id="sideNavContent">

                            <ul>

                                <?php

                                    printNavLinks();

                                ?>

                            </ul>

                        </div>

                    </div>

                </div>

            </div>

        </div>

    </div>

</header>

### login-bar.php

<?php

    $html = "<div id='loginBar'><div class='container'><ul>";

    if(!isset($\_SESSION['user'])) {

        $html .= "<li><a href='#' id='btnLogin' class='btnLogin font-xs'>Log in</a></li><li><a href='#' id='btnRegister' class='btnLogin font-xs'>Register</a></li>";

    } else {

        $user = $\_SESSION['user'];

        if(getRoleName($user->role) == 'admin') {

            if(strpos($\_SERVER['REQUEST\_URI'], "admin.php")) {

                $html .= "<li><a href='index.php' class='font-xs' id='btnAdmin'>Return to site</a></li>";

            } else {

                $html .= "<li><a href='admin.php' class='font-xs' id='btnAdmin'>Admin panel</a></li>";

            }

        }

        $userUsername = $user->username;

        $html .= "<li><label class='font-xs bold'>Welcome $userUsername!</label></li><li><a href='assets/php/pages/logout.php' id='btnLogout' class='font-xs'>Log out</a></li>";

    }

    $html .= "</ul></div></div>";

    echo($html);

?>

### logout.php

<?php

    session\_start();

    unset($\_SESSION['user']);

    header("Location: " . $\_SESSION['page']);

?>

### scripts.php

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script type="text/javascript" src="assets/js/main.min.js"></script>

<script type="text/javascript" src="assets/js/form-validation.min.js"></script>

### survey-results.php

<?php

    include("../connection/connection.php");

    include("../functions.php");

    $totalNumber = count(fetchAllFromDatabase('survey'));

    $html = "<h3 class='font-large'>Results</h3><ul id='surveyResults' class='font-small'>";

    for($i = 1; $i <= 5; $i++) {

        $percentage = round(getSurveyResults($i) / $totalNumber \* 100, 2);

        $html .= "<li><label class='answer'>$i</label><div class='progress' data-label='$percentage%'><span class='progressValue' style='width: $percentage%;'></span></div></li>";

    }

    $html .= "</ul>";

    $response = ["response"=>$html];

    http\_response\_code(200);

    echo(json\_encode($response));

?>

### survey.php

<?php

    if(isset($\_SESSION['user'])):

        if(!isset($\_SESSION['user']->preventSurvey)):

?>

    <div id="survey">

        <div class="container">

            <?php

                if(!surveyAlreadyCompleted($\_SESSION['user']->id)):

            ?>

            <span class="font-small bold">How would you rate our service?</span>

            <form>

                <div class="surveyChoices">

                    <?php

                        for($i = 1; $i <= 5; $i++):

                    ?>

                    <div class="surveyRadioButton">

                        <label for="rbSurvey<?=$i?>" class="font-small"><?=$i?></label>

                        <input type="radio" class="rbSurvey font-small" name="rbSurvey" id="rbSurvey<?=$i?>" value="<?=$i?>"/>

                    </div>

                    <?php

                        endfor;

                    ?>

                </div>

                <button id="btnSubmitSurvey" class="font-small btnPrimary">Submit</button>

            </form>

            <?php

                else:

            ?>

            <span class="font-small bold">Thank you for completing our survey!</span>

            <button id="btnSurveyResults" class="btnPrimary font-small">Results</button>

            <?php

                endif;

            ?>

        </div>

        <button id="btnCloseSurveyBar" class="font-medium"><i class="fas fa-times"></i></button>

    </div>

<?php

        endif;

    endif;

?>

### survey-submition.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    $rating = $\_GET['rating'];

    if(isset($rating)) {

        if(!surveyAlreadyCompleted($\_SESSION['user']->id)) {

            $result = addSurveyAnswer($\_SESSION['user']->id, $rating);

            if($result) {

                http\_response\_code(200);

                echo(true);

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        } else {

            http\_response\_code(409);

            echo("You already completed this survey.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### register-form-validation.php

<?php

    include("../connection/connection.php");

    include("../functions.php");

    if($\_SERVER["REQUEST\_METHOD"] == "POST") {

        $username = $\_POST['username'];

        $email = $\_POST['email'];

        $password = $\_POST['password'];

        $repeatPassword = $\_POST['repeatPassword'];

        // regular expressions

        $regExpUsername = "/^[a-zA-Z]\w{4,}$/";

        $regExpEmail = "/^[a-z][a-z0-9\-\_\.]{2,}@([a-z0-9\-\_]{2,}\.)+[a-z]{2,}$/";

        $regExpPassword = "/^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpUsername, $username)) $noErrors = false;

        if(!preg\_match($regExpEmail, $email)) $noErrors = false;

        if(!preg\_match($regExpPassword, $password)) $noErrors = false;

        if($password != $repeatPassword) $noErrors = false;

        // result

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(userExists($email, 'email')) {

                $alreadyExists = true;

                $errorMessage .= "- That email is already in use.<br/>";

            }

            if(userExists($username, 'username')) {

                $alreadyExists = true;

                $errorMessage .= "- That username is already in use.<br/>";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(addNewUser($username, $email, $password)) {

                    http\_response\_code(200);

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

                    $response = ["response"=>"Your account has been successfully created."];

                    echo(json\_encode($response));

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

            echo("Invalid input.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### login-form-validation.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    if($\_SERVER["REQUEST\_METHOD"] == "POST") {

        $email = $\_POST['email'];

        $password = $\_POST['password'];

        // regular expressions

        $regExpEmail = "/^[a-z][a-z0-9\-\_\.]{2,}@([a-z0-9\-\_]{2,}\.)+[a-z]{2,}$/";

        $regExpPassword = "/^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpEmail, $email)) $noErrors = false;

        if(!preg\_match($regExpPassword, $password)) $noErrors = false;

        // result

        if($noErrors) {

            $securePassword = md5($password);

            $currentUser = getUser($email, $securePassword);

            if($currentUser) {

                if($currentUser->active == 1) {

                    $\_SESSION['user'] = $currentUser;

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(403);

                    echo("Your account is currently innactive. Contact the site administrator for more info");

                }

            } else {

                http\_response\_code(409);

                echo('Invalid credentials.');

            }

        } else {

            echo("Invalid input.");

            http\_response\_code(400);

        }

    } else {

        http\_response\_code(400);

    }

?>

### contact-form-validation.php

<?php

    include("../connection/connection.php");

    include("../functions.php");

    if($\_SERVER["REQUEST\_METHOD"] == "POST") {

        $email = $\_POST['email'];

        $name = $\_POST['name'];

        $message =  $\_POST['message'];

        // regular expressions

        $regExpName = "/^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽ][a-zšđčćž]{2,})\*$/";

        $regExpEmail = "/^[a-z][a-z0-9\-\_\.]{2,}@([a-z0-9\-\_]{2,}\.)+[a-z]{2,}$/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpEmail, $email)) $noErrors = false;

        if(!preg\_match($regExpName, $name)) $noErrors = false;

        $numberOfSpaces = substr\_count($message, ' ');

        if(strlen($message) - $numberOfSpaces < 20 || strlen($message) > 500) $noErrors = false;

        // result

        if($noErrors) {

            if(addContactMessage($email, $name, $message)) {

                http\_response\_code(200);

                $response = ["response"=>'Sent! Expect an answer from one of our agents soon.'];

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

                echo(json\_encode($response));

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        } else {

            http\_response\_code(400);

        }

    } else {

        http\_response\_code(400);

    }

?>

### checkout-form-validation.php

<?php

    include("../connection/connection.php");

    include("../functions.php");

    if($\_SERVER["REQUEST\_METHOD"] == "POST") {

        $name = $\_POST['name'];

        $email = $\_POST['email'];

        $address =  $\_POST['address'];

        $totalPrice = $\_POST['totalPrice'];

        $details = $\_POST['details'];

        // regular expressions

        $regExpName = "/^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽ][a-zšđčćž]{2,})\*$/";

        $regExpEmail = "/^[a-z][a-z0-9\-\_\.]{2,}@([a-z0-9\-\_]{2,}\.)+[a-z]{2,}$/";

        $regExpAddress = "/^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽa-zšđčćž][a-zšđčćž]{2,})\*\s\d+[A-Z]?(\/\d+)\*$/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpEmail, $email)) $noErrors = false;

        if(!preg\_match($regExpName, $name)) $noErrors = false;

        if(!preg\_match($regExpAddress, $address)) $noErrors = false;

        // result

        if($noErrors) {

            if(checkout($name, $email, $address, $totalPrice, $details)) {

                http\_response\_code(200);

                $response = ["response"=>'Success! We will reach out to you in the next couple of days to confirm the provided information.'];

                echo(json\_encode($response));

            } else {

                http\_response\_code(500);

                echo("Error");

            }

        } else {

            http\_response\_code(400);

        }

    } else {

        http\_response\_code(400);

    }

?>

### conneciton.php

<?php

    include("login.ini");

    try {

        $connection = new PDO("$driver:host=$host;dbname=$db;charset=utf8", $username, $password);

    } catch (PDOException $ex) {

        echo("Connection error: " . $ex->getMessage());

    }

    $connection->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

    $connection->setAttribute(PDO::ATTR\_DEFAULT\_FETCH\_MODE, PDO::FETCH\_OBJ);

?>

### login.ini

<?php

    $driver = 'mysql';

    $host = 'sql311.epizy.com';

    $db = 'epiz\_27721802\_mobishop';

    $username = 'epiz\_27721802';

    $password = 'aNkRPvdr7I';

?>

### print-users.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    redirectTo404();

    $response = ["response"=>printAdminSectionUsers()];

    http\_response\_code(200);

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

    echo(json\_encode($response));

?>

### print-orders.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    redirectTo404();

    $response = ["response"=>printAdminSectionOrders()];

    http\_response\_code(200);

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

    echo(json\_encode($response));

?>

### print-operating-systems.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    redirectTo404();

    $response = ["response"=>printAdminSectionOS()];

    http\_response\_code(200);

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

    echo(json\_encode($response));

?>

### print-messages.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    redirectTo404();

    $response = ["response"=>printAdminSectionMessages()];

    http\_response\_code(200);

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

    echo(json\_encode($response));

?>

### print-devices.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    redirectTo404();

    $response = ["response"=>printAdminSectionDevices()];

    http\_response\_code(200);

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

    echo(json\_encode($response));

?>

### print-brands.php

<?php

    session\_start();

    include("../connection/connection.php");

    include("../functions.php");

    redirectTo404();

    $response = ["response"=>printAdminSectionBrands()];

    http\_response\_code(200);

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

    echo(json\_encode($response));

?>

### delete-user.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if($\_SESSION['user']->id == $id) {

            http\_response\_code(409);

            echo("You can't delete your own account.");

        } else {

            if(!userExists($id, 'id')) {

                http\_response\_code(409);

                echo("User doesn't exist.");

            } else {

                if(delete('users', 'id', $id)) {

                    if(exists('survey', 'user\_id', $id)) {

                        delete('survey', 'user\_id', $id);

                    }

                    if(exists('contactmessages', 'user\_id', $id)) {

                        setNull('contactmessages', 'user\_id', $id);

                    }

                    if(exists('orders', 'user\_id', $id)) {

                        setNull('orders', 'user\_id', $id);

                    }

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        }

    } else {

        http\_response\_code(400);

    }

?>

### delete-os.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if(!exists('operatingsystems', 'id', $id)) {

            http\_response\_code(409);

            echo("Operating system doesn't exist.");

        } else {

            if(delete('operatingsystems', 'id', $id)) {

                if(exists('devices', 'os', $id)) {

                    setNull('devices', 'os', $id);

                }

                http\_response\_code(200);

                echo(true);

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        }

    } else {

        http\_response\_code(400);

    }

?>

### delete-order.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if(!exists('orders', 'order\_id', $id)) {

            http\_response\_code(409);

            echo("Order doesn't exist.");

        } else {

            if(delete('orders', 'order\_id', $id)) {

                if(exists('orderdetails', 'order\_id', $id)) {

                    delete('orderdetails', 'order\_id', $id);

                }

                http\_response\_code(200);

                echo(true);

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        }

    } else {

        http\_response\_code(400);

    }

?>

### delete-message.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if(!exists('contactmessages', 'message\_id', $id)) {

            http\_response\_code(409);

            echo("Message doesn't exist.");

        } else {

            if(delete('contactmessages', 'message\_id', $id)) {

                http\_response\_code(200);

                echo(true);

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        }

    } else {

        http\_response\_code(400);

    }

?>

### delete-device.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if(!exists('devices', 'device\_id', $id)) {

            http\_response\_code(409);

            echo("Device doesn't exist.");

        } else {

            if(delete('devices', 'device\_id', $id)) {

                if(exists('orderdetails', 'device\_id', $id)) {

                    setNull('orderdetails', 'device\_id', $id);

                }

                http\_response\_code(200);

                echo(true);

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        }

    } else {

        http\_response\_code(400);

    }

?>

### delete-brand.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        if(!exists('brands', 'id', $id)) {

            http\_response\_code(409);

            echo("Brand doesn't exist.");

        } else {

            if(delete('brands', 'id', $id)) {

                if(exists('devices', 'brand', $id)) {

                    setNull('devices', 'brand', $id);

                }

                http\_response\_code(200);

                echo(true);

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        }

    } else {

        http\_response\_code(400);

    }

?>

### edit-user.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        $username = $\_POST['username'];

        $email = $\_POST['email'];

        $password = $\_POST['password'];

        $changePassword = $\_POST['changePassword'];

        $role = $\_POST['role'];

        $active = $\_POST['active'];

        // regular expressions

        $regExpUsername = "/^[a-zA-Z]\w{4,}$/";

        $regExpEmail = "/^[a-z][a-z0-9-\_\.]{2,}@([a-z0-9-\_]{2,}\.)+[a-z]{2,}$/";

        $regExpPassword = "/^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/";

        // form validation

        $noErrors = true;

        if(!exists('users', 'id', $id)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected user doesn't exist.");

            die;

        }

        if(!preg\_match($regExpUsername, $username)) $noErrors = false;

        if(!preg\_match($regExpEmail, $email)) $noErrors = false;

        if($changePassword) {

            if(!preg\_match($regExpPassword, $password)) $noErrors = false;

        }

        if(!exists('roles', 'id', $role)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected role doesn't exist.");

            die;

        }

        if($active != 1 && $active != 0) $noErrors = false;

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(userExists($email, 'email') && getUserById($id)->email != $email) {

                $alreadyExists = true;

                $errorMessage .= "- That email is already in use.<br/>";

            }

            if(userExists($username, 'username') && getUserById($id)->username != $username) {

                $alreadyExists = true;

                $errorMessage .= "- That username is already in use.<br/>";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if($changePassword) {

                    if(updateUser($id, $username, $email, $password, $role, $active)) {

                        http\_response\_code(200);

                        echo(true);

                    } else {

                        http\_response\_code(500);

                        echo("Error.");

                    }

                } else {

                    if(updateUserNoPassword($id, $username, $email, $role, $active)) {

                        http\_response\_code(200);

                        echo(true);

                    } else {

                        http\_response\_code(500);

                        echo("Error.");

                    }

                }

            }

        } else {

            http\_response\_code(409);

            var\_dump($changePassword);

        }

    } else {

        http\_response\_code(400);

    }

?>

### edit-os.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        $name = $\_POST['name'];

        // regular expressions

        $regExpOS = "/^[A-Za-z\s]+$/";

        // form validation

        $noErrors = true;

        if(!exists('operatingsystems', 'id', $id)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected OS doesn't exist.");

            die;

        }

        if(!preg\_match($regExpOS, $name)) $noErrors = false;

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(exists('operatingsystems', 'name', $name) && getOSById($id)->name != $name) {

                $alreadyExists = true;

                $errorMessage .= "That OS already exists.";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(updateOS($id, $name)) {

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

        }

    } else {

        http\_response\_code(400);

    }

?>

### edit-order.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        $buyerName = $\_POST['buyerName'];

        $buyerEmail = $\_POST['buyerEmail'];

        $buyerAddress = $\_POST['buyerAddress'];

        // regular expressions

        $regExpName = "/^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽ][a-zšđčćž]{2,})\*$/";

        $regExpEmail = "/^[a-z][a-z0-9\-\_\.]{2,}@([a-z0-9\-\_]{2,}\.)+[a-z]{2,}$/";

        $regExpAddress = "/^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽa-zšđčćž][a-zšđčćž]{2,})\*\s\d+[A-Z]?(\/\d+)\*$/";

        // form validation

        $noErrors = true;

        if(!exists('orders', 'order\_id', $id)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected order doesn't exist.");

            die;

        }

        if(!preg\_match($regExpName, $buyerName)) $noErrors = false;

        if(!preg\_match($regExpEmail, $buyerEmail)) $noErrors = false;

        if(!preg\_match($regExpAddress, $buyerAddress)) $noErrors = false;

        if($noErrors) {

            if(updateOrder($id, $buyerName, $buyerEmail, $buyerAddress)) {

                http\_response\_code(200);

                echo(true);

            } else {

                http\_response\_code(500);

                echo("Error.");

            }

        } else {

            http\_response\_code(400);

        }

    } else {

        http\_response\_code(400);

    }

?>

### edit-device.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        $name = $\_POST['name'];

        $image = $\_POST['image'];

        $os = $\_POST['os'];

        $brand = $\_POST['brand'];

        $price = $\_POST['price'];

        $active = $\_POST['active'];

        // regular expressions

        $regExpName = "/^[A-Za-z0-9\/\-\s]+$/";

        $regExpImage = "/^[\w\-]+(\.jpg|\.jpeg|\.png|\.gif)$/";

        $regExpPrice = "/^[0-9]+$/";

        // form validation

        $noErrors = true;

        if(!exists('devices', 'device\_id', $id)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected device doesn't exist.");

            die;

        }

        if(!preg\_match($regExpName, $name)) $noErrors = false;

        if(!preg\_match($regExpImage, $image)) $noErrors = false;

        if(!preg\_match($regExpPrice, $price)) $noErrors = false;

        if(!exists('brands', 'id', $brand)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected brand doesn't exist.");

            die;

        }

        if(!exists('operatingsystems', 'id', $os)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected OS doesn't exist.");

            die;

        }

        if($active != 1 && $active != 0) $noErrors = false;

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(exists('devices', 'name', $name) && getDeviceById($id)->name != $name) {

                $alreadyExists = true;

                $errorMessage .= "That device already exists.";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(updateDevice($id, $name, $image, $os, $brand, $price, $active)) {

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

        }

    } else {

        http\_response\_code(400);

    }

?>

### edit-brand.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $id = $\_POST['id'];

        $name = $\_POST['name'];

        // regular expressions

        $regExpBrand = "/^[A-Za-z\s]+$/";

        // form validation

        $noErrors = true;

        if(!exists('brands', 'id', $id)) {

            $noErrors = false;

            http\_response\_code(404);

            echo("Selected brand doesn't exist.");

            die;

        }

        if(!preg\_match($regExpBrand, $name)) $noErrors = false;

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(exists('brands', 'name', $name) && getBrandById($id)->name != $name) {

                $alreadyExists = true;

                $errorMessage .= "That brand already exists.";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(updateBrand($id, $name)) {

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

        }

    } else {

        http\_response\_code(400);

    }

?>

### edit-user-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $userId = $\_POST['id'];

        $user = getUserById($userId);

        $html = "<div class='addForm'><h3 class='font-large'>Edit user</h3><form>";

        // Username

        $html .= "<div class='formGroup'>

        <label for='tbEditUserUsername'>Username:</label>

        <input type='text' autocomplete='off' name='tbEditUserUsername' id='tbEditUserUsername' class='font-small textField' value='$user->username'/>

        <label class='errorMessage font-small'>Username must:<ul><li>- start with a letter</li><li>- be 5 characters or longer</li><li>- not contain special characters other than '\_'</li></ul></label>

        </div>";

        // Email

        $html .= "<div class='formGroup'>

        <label for='tbEditUserEmail'>Email:</label>

        <input type='text' autocomplete='off' name='tbEditUserEmail' id='tbEditUserEmail' class='font-small textField' value='$user->email'/>

        <label class='errorMessage font-small'>examplename@example.com</label>

        </div>";

        // Password

        $html .= "<div class='formGroup'>

        <label for='tbEditUserPassword'>Password:</label>

        <input type='text' autocomplete='off' name='tbEditUserPassword' id='tbEditUserPassword' class='font-small textField' disabled/>

        <label class='errorMessage font-small'>Password must:<ul>

        <li>- contain 1 lowercase letter</li>

        <li>- contain 1 uppercase letter</li>

        <li>- contain 1 number</li>

        <li>- contain 1 special character</li>

        <li>- be 8 characters or longer</li>

        </ul></label>

        <div class='checkboxGroup'><input type='checkbox' id='chbChangePassword' name='chbChangePassword'/><label for='chbChangePassword' class='font-small'>Change password</label></div>

        </div>";

        // Role

        $html .= "<div class='formGroup'>

        <label for='ddlEditRole'>Role:</label>

        <select name='ddlEditRole' id='ddlEditRole' class='font-small textField'>";

        $roles = fetchAllFromDatabase('roles');

        foreach($roles as $role) {

            $html .= "<option value='$role->id'>$role->name</option>";

        }

        $html .= "</select></div>";

        // Active

        $html .= "<div class='formGroup'>

        <label for='ddlEditActive'>Active:</label>

        <select name='ddlEditActive' id='ddlEditActive' class='font-small textField'><option value='0'>0</option><option value='1'>1</option></select></div>";

        // Edit button

        $html .= "<span class='textCenter'><button id='btnEditUser' class='btnPrimary font-small'>Update user</button></span>";

        $html .= "</form></div>";

        http\_response\_code(200);

        $response = ["response"=>$html];

        echo(json\_encode($response));

    } else {

        http\_response\_code(400);

    }

?>

### edit-os-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $id = $\_POST['id'];

    $os = getOSById($id);

    $html = "<div class='addForm'><h3 class='font-large'>Edit OS</h3><form>";

    // Name

    $html .= "<div class='formGroup'>

    <label for='tbEditOSName'>Name:</label>

    <input type='text' autocomplete='off' name='tbEditOSName' id='tbEditOSName' class='font-small textField'/ value='$os->name'>

    <label class='errorMessage font-small'>OS name cannot contain special characters or numbers.</label>

    </div>";

    // Edit button

    $html .= "<span class='textCenter'><button id='btnEditOS' class='btnPrimary font-small'>Update OS</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

### edit-order-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $id = $\_POST['id'];

    $order = getOrderById($id);

    $html = "<div class='addForm'><h3 class='font-large'>Edit order</h3><form>";

    // Buyer name

    $html .= "<div class='formGroup'>

    <label for='tbEditOrderBuyerName'>Buyer name:</label>

    <input type='text' autocomplete='off' name='tbEditOrderBuyerName' id='tbEditOrderBuyerName' class='font-small textField' value='$order->buyer\_name'/>

    <label class='errorMessage font-small'><ul><li>- A name cannot have less than 3 characters</li><li>- Has to be at least 2 words</li><li>- Each word must be capitalized</li></ul></label>

    </div>";

    // Buyer email

    $html .= "<div class='formGroup'>

    <label for='tbEditOrderBuyerEmail'>Buyer email:</label>

    <input type='text' autocomplete='off' name='tbEditOrderBuyerEmail' id='tbEditOrderBuyerEmail' class='font-small textField' value='$order->buyer\_email'/>

    <label class='errorMessage font-small'>examplename@example.com</label>

    </div>";

    // Buyer address

    $html .= "<div class='formGroup'>

    <label for='tbEditOrderBuyerAddress'>Buyer address:</label>

    <input type='text' autocomplete='off' name='tbEditOrderBuyerAddress' id='tbEditOrderBuyerAddress' class='font-small textField' value='$order->buyer\_address'/>

    <label class='errorMessage font-small'>[Street Name] [Home Number]/[Apartment Number]</label>

    </div>";

    // Edit button

    $html .= "<span class='textCenter'><button id='btnEditOrder' class='btnPrimary font-small'>Update order</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

### edit-device-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $deviceId = $\_POST['id'];

    $device = getDeviceById($deviceId);

    $html = "<div class='addForm'><h3 class='font-large'>Edit device</h3><form>";

    // Name

    $html .= "<div class='formGroup'>

    <label for='tbEditDeviceName'>Name:</label>

    <input type='text' autocomplete='off' name='tbEditDeviceName' id='tbEditDeviceName' class='font-small textField' value='$device->name'/>

    <label class='errorMessage font-small'>Device name cannot contain special characters other than '-' and '/'</label>

    </div>";

    // Image

    $html .= "<div class='formGroup'>

    <label for='tbEditDeviceImage'>Image name:</label>

    <input type='text' autocomplete='off' name='tbEditDeviceImage' id='tbEditDeviceImage' class='font-small textField' value='$device->image'/>

    <label class='errorMessage font-small'><ul><li>- Allowed formats: .jpg, .jpeg, .png, .gif</li><li>- Cannot contain special characters other than '-' and '\_'</li></ul></label>

    </div>";

    // OS

    $html .= "<div class='formGroup'>

    <label for='ddlEditOS'>OS:</label>

    <select name='ddlEditOS' id='ddlEditOS' class='font-small textField'>";

    $operatingSystems = fetchAllFromDatabase('operatingsystems');

    foreach($operatingSystems as $os) {

        $html .= "<option value='$os->id'>$os->name</option>";

    }

    $html .= "</select></div>";

    // Brand

    $html .= "<div class='formGroup'>

    <label for='ddlEditBrand'>Brand:</label>

    <select name='ddlEditBrand' id='ddlEditBrand' class='font-small textField'>";

    $brands = fetchAllFromDatabase('brands');

    foreach($brands as $brand) {

        $html .= "<option value='$brand->id'>$brand->name</option>";

    }

    $html .= "</select></div>";

    // Price

    $html .= "<div class='formGroup'>

    <label for='tbEditDevicePrice'>Price (in Euros):</label>

    <input type='number' autocomplete='off' name='tbEditDevicePrice' id='tbEditDevicePrice' class='font-small textField' value='$device->price'/>

    <label class='errorMessage font-small'>Has to be a number</label>

    </div>";

    // Active

    $html .= "<div class='formGroup'>

    <label for='ddlEditDeviceActive'>Active:</label>

    <select name='ddlEditDeviceActive' id='ddlEditDeviceActive' class='font-small textField'><option value='0'>0</option><option value='1'>1</option></select></div>";

    // Edit button

    $html .= "<span class='textCenter'><button id='btnEditDevice' class='btnPrimary font-small'>Update device</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

### edit-brand-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $id = $\_POST['id'];

    $brand = getBrandById($id);

    $html = "<div class='addForm'><h3 class='font-large'>Edit brand</h3><form>";

    // Name

    $html .= "<div class='formGroup'>

    <label for='tbEditBrandName'>Name:</label>

    <input type='text' autocomplete='off' name='tbEditBrandName' id='tbEditBrandName' class='font-small textField' value='$brand->name'/>

    <label class='errorMessage font-small'>Brand name cannot contain special characters or numbers.</label>

    </div>";

    // Edit button

    $html .= "<span class='textCenter'><button id='btnEditBrand' class='btnPrimary font-small'>Update brand</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

### add-user.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $username = $\_POST['username'];

        $email = $\_POST['email'];

        $password = $\_POST['password'];

        $role = $\_POST['role'];

        // regular expressions

        $regExpUsername = "/^[a-zA-Z]\w{4,}$/";

        $regExpEmail = "/^[a-z][a-z0-9\-\_\.]{2,}@([a-z0-9\-\_]{2,}\.)+[a-z]{2,}$/";

        $regExpPassword = "/^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpUsername, $username)) $noErrors = false;

        if(!preg\_match($regExpEmail, $email)) $noErrors = false;

        if(!preg\_match($regExpPassword, $password)) $noErrors = false;

        if(!exists('roles', 'id', $role)) {

            $noErrors = false;

            http\_response\_code(409);

            echo("Selected role doesn't exist.");

            die;

        }

        // result

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(userExists($email, 'email')) {

                $alreadyExists = true;

                $errorMessage .= "- That email is already in use.<br/>";

            }

            if(userExists($username, 'username')) {

                $alreadyExists = true;

                $errorMessage .= "- That username is already in use.<br/>";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(adminAddNewUser($username, $email, $password, $role)) {

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

            echo("Invalid input.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### add-os.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $name = $\_POST['name'];

        // regular expressions

        $regExpAddOSName = "/^[A-Za-z\s]+$/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpAddOSName, $name)) $noErrors = false;

        // result

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(exists('operatingsystems', 'name', $name)) {

                $alreadyExists = true;

                $errorMessage .= "OS with that name already exists.";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(addNewOS($name)) {

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

            echo("Invalid input.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### add-device.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $name = $\_POST['name'];

        $image = $\_POST['image'];

        $os = $\_POST['os'];

        $brand = $\_POST['brand'];

        $price = $\_POST['price'];

        // regular expressions

        $regExpAddDeviceName = "/^[A-Za-z0-9\/\-\s]+$/";

        $regExpAddDeviceImage = "/^[\w\-]+(\.jpg|\.jpeg|\.png|\.gif)$/";

        $regExpAddDevicePrice = "/^[0-9]+$/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpAddDeviceName, $name)) $noErrors = false;

        if(!preg\_match($regExpAddDeviceImage, $image)) $noErrors = false;

        if(!preg\_match($regExpAddDevicePrice, $price)) $noErrors = false;

        if(!exists('operatingsystems', 'id', $os)) {

            $noErrors = false;

            http\_response\_code(409);

            echo("Selected OS doesn't exist.");

            die;

        }

        if(!exists('brands', 'id', $brand)) {

            $noErrors = false;

            http\_response\_code(409);

            echo("Selected brand doesn't exist.");

            die;

        }

        // result

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(exists('devices', 'name', $name)) {

                $alreadyExists = true;

                $errorMessage .= "Device with that name already exists.";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(addNewDevice($name, $image, $os, $brand, $price)) {

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

            echo("Invalid input.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### add-brand.php

<?php

    session\_start();

    include("../../connection/connection.php");

    include("../../functions.php");

    redirectTo404();

    if($\_SERVER['REQUEST\_METHOD'] == "POST") {

        $name = $\_POST['name'];

        // regular expressions

        $regExpAddBrandName = "/^[A-Za-z\s]+$/";

        // validation

        $noErrors = true;

        if(!preg\_match($regExpAddBrandName, $name)) $noErrors = false;

        // result

        if($noErrors) {

            $alreadyExists = false;

            $errorMessage = '';

            if(exists('brands', 'name', $name)) {

                $alreadyExists = true;

                $errorMessage .= "Brand with that name already exists.";

            }

            if($alreadyExists) {

                http\_response\_code(409);

                echo($errorMessage);

            } else {

                if(addNewBrand($name)) {

                    http\_response\_code(200);

                    echo(true);

                } else {

                    http\_response\_code(500);

                    echo("Error.");

                }

            }

        } else {

            http\_response\_code(400);

            echo("Invalid input.");

        }

    } else {

        http\_response\_code(400);

    }

?>

### add-user-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $html = "<div class='addForm'><h3 class='font-large'>Add new user</h3><form>";

    // Username

    $html .= "<div class='formGroup'>

    <label for='tbAddUserUsername'>Username:</label>

    <input type='text' autocomplete='off' name='tbAddUserUsername' id='tbAddUserUsername' class='font-small textField'/>

    <label class='errorMessage font-small'>Username must:<ul><li>- start with a letter</li><li>- be 5 characters or longer</li><li>- not contain special characters other than '\_'</li></ul></label>

    </div>";

    // Email

    $html .= "<div class='formGroup'>

    <label for='tbAddUserEmail'>Email:</label>

    <input type='text' autocomplete='off' name='tbAddUserEmail' id='tbAddUserEmail' class='font-small textField'/>

    <label class='errorMessage font-small'>examplename@example.com</label>

    </div>";

    // Password

    $html .= "<div class='formGroup'>

    <label for='tbAddUserPassword'>Password:</label>

    <input type='text' autocomplete='off' name='tbAddUserPassword' id='tbAddUserPassword' class='font-small textField'/>

    <label class='errorMessage font-small'>Password must:<ul>

    <li>- contain 1 lowercase letter</li>

    <li>- contain 1 uppercase letter</li>

    <li>- contain 1 number</li>

    <li>- contain 1 special character</li>

    <li>- be 8 characters or longer</li>

    </ul></label>

    </div>";

    // Role

    $html .= "<div class='formGroup'>

    <label for='ddlRole'>Role:</label>

    <select name='ddlRole' id='ddlRole' class='font-small textField'>";

    $roles = fetchAllFromDatabase('roles');

    foreach($roles as $role) {

        $html .= "<option value='$role->id'>$role->name</option>";

    }

    $html .= "</select></div>";

    // Add button

    $html .= "<span class='textCenter'><button id='btnAddUser' class='btnPrimary font-small'>Add user</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

### add-os-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $html = "<div class='addForm'><h3 class='font-large'>Add new OS</h3><form>";

    // Name

    $html .= "<div class='formGroup'>

    <label for='tbAddOSName'>Name:</label>

    <input type='text' autocomplete='off' name='tbAddOSName' id='tbAddOSName' class='font-small textField'/>

    <label class='errorMessage font-small'>OS name cannot contain special characters or numbers.</label>

    </div>";

    // Add button

    $html .= "<span class='textCenter'><button id='btnAddOS' class='btnPrimary font-small'>Add OS</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

### add-device-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $html = "<div class='addForm'><h3 class='font-large'>Add new device</h3><form>";

    // Name

    $html .= "<div class='formGroup'>

    <label for='tbAddDeviceName'>Name:</label>

    <input type='text' autocomplete='off' name='tbAddDeviceName' id='tbAddDeviceName' class='font-small textField'/>

    <label class='errorMessage font-small'>Device name cannot contain special characters other than '-' and '/'</label>

    </div>";

    // Image

    $html .= "<div class='formGroup'>

    <label for='tbAddDeviceImage'>Image name:</label>

    <input type='text' autocomplete='off' name='tbAddDeviceImage' id='tbAddDeviceImage' class='font-small textField'/>

    <label class='errorMessage font-small'><ul><li>- Allowed formats: .jpg, .jpeg, .png, .gif</li><li>- Cannot contain special characters other than '-' and '\_'</li></ul></label>

    </div>";

    // OS

    $html .= "<div class='formGroup'>

    <label for='ddlOS'>OS:</label>

    <select name='ddlOS' id='ddlOS' class='font-small textField'>";

    $operatingSystems = fetchAllFromDatabase('operatingsystems');

    foreach($operatingSystems as $os) {

        $html .= "<option value='$os->id'>$os->name</option>";

    }

    $html .= "</select></div>";

    // Brand

    $html .= "<div class='formGroup'>

    <label for='ddlBrand'>Brand:</label>

    <select name='ddlBrand' id='ddlBrand' class='font-small textField'>";

    $brands = fetchAllFromDatabase('brands');

    foreach($brands as $brand) {

        $html .= "<option value='$brand->id'>$brand->name</option>";

    }

    $html .= "</select></div>";

    // Price

    $html .= "<div class='formGroup'>

    <label for='tbAddDevicePrice'>Price (in Euros):</label>

    <input type='number' autocomplete='off' name='tbAddDevicePrice' id='tbAddDevicePrice' class='font-small textField'/>

    <label class='errorMessage font-small'>Has to be a number</label>

    </div>";

    // Add button

    $html .= "<span class='textCenter'><button id='btnAddDevice' class='btnPrimary font-small'>Add device</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

### add-brand-form.php

<?php

    session\_start();

    include("../../../connection/connection.php");

    include("../../../functions.php");

    redirectTo404();

    $html = "<div class='addForm'><h3 class='font-large'>Add new brand</h3><form>";

    // Name

    $html .= "<div class='formGroup'>

    <label for='tbAddBrandName'>Name:</label>

    <input type='text' autocomplete='off' name='tbAddBrandName' id='tbAddBrandName' class='font-small textField'/>

    <label class='errorMessage font-small'>Brand name cannot contain special characters or numbers.</label>

    </div>";

    // Add button

    $html .= "<span class='textCenter'><button id='btnAddBrand' class='btnPrimary font-small'>Add brand</button></span>";

    $html .= "</form></div>";

    http\_response\_code(200);

    $response = ["response"=>$html];

    echo(json\_encode($response));

?>

## 3.2 CSS

### style.css

@font-face {

  src: url("../fonts/Roboto-Regular.ttf");

  font-family: "Roboto";

}

@font-face {

  src: url("../fonts/PermanentMarker-Regular.ttf");

  font-family: "PermanentMarker";

}

\* {

  margin: 0;

  padding: 0;

  -webkit-box-sizing: border-box;

          box-sizing: border-box;

  font-family: "Roboto";

  color: #141414;

}

html {

  scroll-behavior: smooth;

  scroll-padding-top: 100px;

}

body {

  background-color: #141414;

}

a {

  color: #141414;

  text-decoration: none;

}

ul {

  list-style: none;

}

.heading {

  text-align: center;

  margin-bottom: 50px;

}

.heading .underline {

  width: 40px;

  border-bottom: 3px solid #ffd247;

  display: block;

  margin: 5px auto;

}

.textCenter {

  display: block;

  text-align: center;

}

.container {

  width: 80%;

  margin: 0 auto;

}

.main {

  min-height: 90vh;

}

.cover {

  width: 100%;

  height: 100%;

  background-color: rgba(0, 0, 0, 0.7);

}

.bgWhite {

  background-color: #fff;

}

.uppercase {

  text-transform: uppercase;

}

.bold {

  font-weight: bold;

}

.font-xs {

  font-size: 12px;

}

.font-small {

  font-size: 16px;

}

.font-medium {

  font-size: 19px;

}

.font-large {

  font-size: 30px;

}

.font-xl {

  font-size: 40px;

}

.font-xxl {

  font-size: 60px;

}

#header {

  background-color: #141414;

  position: fixed;

  top: 0;

  width: 100%;

  z-index: 1;

  -webkit-transition: .2s background-color;

  transition: .2s background-color;

}

#logoAndNav {

  padding: 5px 0;

}

#logoAndNav .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: justify;

      -ms-flex-pack: justify;

          justify-content: space-between;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

#logo a h1 {

  font-family: "PermanentMarker";

  color: #ffd247;

}

#navAndCart {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

#nav ul {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

}

#nav ul li a {

  color: #fff;

  padding: 10px;

  -webkit-transition: .1s;

  transition: .1s;

}

#nav ul li a:hover {

  color: #ffd247;

}

.active {

  color: #ffd247 !important;

}

#cart {

  position: relative;

}

#cart a {

  padding: 10px;

}

#cart a i {

  color: #fff;

}

#cartNumber {

  position: absolute;

  bottom: 0;

  right: 0;

  width: 16px;

  height: 16px;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  background-color: #ffd247;

  border-radius: 50%;

  pointer-events: none;

}

#hamburger {

  display: none;

}

#hamburger a i {

  color: #fff;

  padding: 10px;

}

.bgTransparent {

  background-color: rgba(0, 0, 0, 0) !important;

}

#loginBar {

  padding: 8px 0px;

  background-color: #ffd247;

}

#loginBar .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: end;

      -ms-flex-pack: end;

          justify-content: flex-end;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

#loginBar .container ul {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

#loginBar .container ul label {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

.btnLogin {

  padding: 1px 10px;

  display: block;

}

#btnRegister {

  border-left: 1px solid #141414;

}

#btnAdmin {

  color: rgba(0, 0, 0, 0.7);

  padding: 1px 10px;

  display: block;

}

#btnLogout {

  padding: 1px 10px;

  display: block;

}

#loginModal {

  position: fixed;

  top: 0;

  left: 0;

  z-index: 3;

  height: 100vh;

  width: 100%;

}

#loginModal .cover {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

}

#loginContainer {

  background-color: #fff;

  padding: 20px;

  width: 500px;

  border-radius: 10px;

  position: relative;

}

#loginContainer a {

  color: #919191;

}

#btnCloseLoginModal {

  position: absolute;

  top: 5px;

  right: 11px;

  cursor: pointer;

  border: none;

  background: none;

}

#loginModalContent {

  max-height: 80vh;

  overflow-y: auto;

}

#sideNav {

  position: fixed;

  top: 0;

  left: 0;

  width: 100%;

  height: 100%;

  z-index: 3;

}

#sideNavContent {

  width: 260px;

  background-color: #ffd247;

  height: 100%;

  overflow-y: auto;

  -webkit-transform: translateX(-100%);

          transform: translateX(-100%);

}

#sideNavContent ul li a {

  display: block;

  padding: 10px;

  -webkit-transition: .1s;

  transition: .1s;

}

#sideNavContent ul li a:hover {

  background-color: #cfaa38;

}

#sideNavContent ul li .active {

  color: #141414 !important;

  background-color: #cfaa38;

}

#slider {

  height: 100vh;

  position: relative;

  z-index: 0;

}

#slider .cover {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

.slide {

  position: absolute;

  top: 0;

  left: 0;

  height: 100%;

  width: 100%;

  background-size: cover;

  background-position: center;

  background-repeat: no-repeat;

  z-index: -2;

}

#sliderText {

  width: 100%;

}

#sliderText h2, #sliderText p {

  color: #fff;

}

#sliderText h2 {

  margin-bottom: 20px;

}

#sliderText p {

  max-width: 800px;

  margin-bottom: 40px;

}

#sliderText a {

  padding: 12px;

  border-radius: 30px;

  background-color: #fff;

  -webkit-transition: .1s;

  transition: .1s;

}

#sliderText a:hover {

  background-color: #ffd247;

  color: #fff;

}

#aboutUs {

  padding: 30px 0;

}

#aboutUs .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: justify;

      -ms-flex-pack: justify;

          justify-content: space-between;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

#aboutUsImage {

  width: 300px;

}

#aboutUsImage img {

  width: 100%;

  display: block;

}

#aboutUsText {

  text-align: right;

  max-width: 50%;

}

#aboutUsText h3 {

  color: #919191;

}

#aboutUsText h4 {

  margin-bottom: 10px;

}

#devicesMain {

  padding: 150px 0;

}

#devicesMain .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: justify;

      -ms-flex-pack: justify;

          justify-content: space-between;

}

#filters {

  width: 20%;

  padding: 15px;

  background-color: #e6e6e6;

  border-radius: 5px;

  height: 0%;

}

#filters form {

  width: 100%;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-orient: vertical;

  -webkit-box-direction: normal;

      -ms-flex-direction: column;

          flex-direction: column;

}

.checkboxGroup {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

.checkboxGroup input {

  margin-right: 3px;

}

#devicesContainer {

  width: 75%;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: justify;

      -ms-flex-pack: justify;

          justify-content: space-between;

  -ms-flex-wrap: wrap;

      flex-wrap: wrap;

}

#devicesContainer p {

  text-align: center;

}

.device {

  width: 27%;

  text-align: center;

  border-radius: 5px;

  overflow: hidden;

  margin-bottom: 20px;

  margin-left: auto;

  margin-right: auto;

  -webkit-transition: .3s transform;

  transition: .3s transform;

}

.device .deviceName {

  margin-bottom: 4px;

  word-wrap: break-word;

  font-weight: bold;

}

.device .devicePrice {

  margin-bottom: 15px;

}

.device .btnAddToCart {

  opacity: 0%;

  -webkit-transition: .3s opacity, .1s background-color !important;

  transition: .3s opacity, .1s background-color !important;

}

.deviceImage img {

  width: 100%;

  display: block;

}

.deviceText {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-orient: vertical;

  -webkit-box-direction: normal;

      -ms-flex-direction: column;

          flex-direction: column;

  padding: 7px;

}

.addToCartModal {

  position: fixed;

  top: 0;

  left: 0;

  width: 100%;

  height: 100%;

  z-index: 3;

  display: none;

  pointer-events: none;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

  -webkit-box-align: start;

      -ms-flex-align: start;

          align-items: flex-start;

}

.addToCartModalContent {

  margin-top: 100px;

  padding: 20px;

  border-radius: 5px;

  background-color: #e6e6e6;

  border: 1px solid #919191;

  max-width: 80%;

  text-align: center;

}

.cannotAdd {

  background-color: red;

  border-color: red;

}

.cannotAdd p {

  color: #fff;

}

#paging {

  width: 100%;

  margin-top: 20px;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

}

#paging ul {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -ms-flex-wrap: wrap;

      flex-wrap: wrap;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

}

#paging ul li a {

  display: block;

}

.btnPage {

  border-radius: 0px !important;

}

.activePage {

  background-color: #cfaa38 !important;

}

.prevPage {

  border-radius: 3px 0px 0px 3px !important;

}

.nextPage {

  border-radius: 0px 3px 3px 0px !important;

}

.disabled {

  opacity: 75%;

  pointer-events: none;

}

#contactMain {

  padding: 150px 0;

}

#contactMain .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: justify;

      -ms-flex-pack: justify;

          justify-content: space-between;

}

.contactCol {

  width: 45%;

}

#contactText p {

  margin-bottom: 5px;

}

#contactForm .heading {

  margin-bottom: 30px;

}

#contactForm .heading h2 {

  font-family: 'Roboto';

}

#contactForm form {

  width: 70%;

  margin: 0 auto;

}

.formGroup {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-orient: vertical;

  -webkit-box-direction: normal;

      -ms-flex-direction: column;

          flex-direction: column;

  margin-bottom: 10px;

}

.textField {

  padding: 3px;

  border: 1px solid rgba(0, 0, 0, 0.7);

  border-radius: 3px;

}

input, textarea, button, select {

  outline: none;

}

textarea {

  resize: none;

}

.btnPrimary {

  padding: 7px 13px;

  background: none;

  background-color: #ffd247;

  border-radius: 3px;

  border: none;

  border-width: 0px;

  cursor: pointer;

  -webkit-transition: .1s !important;

  transition: .1s !important;

}

.btnPrimary:hover {

  background-color: #cfaa38;

}

.borderYellow {

  border-color: #ffd247;

}

.borderRed {

  border-color: red;

}

.errorMessage {

  color: red;

  display: none;

}

.errorMessage li {

  color: red;

}

.successModal {

  position: fixed;

  top: 0;

  left: 0;

  width: 100%;

  height: 100%;

  z-index: 4;

}

.successModal .cover {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

}

.modalContent {

  padding: 25px;

  border-radius: 10px;

  background-color: #fff;

  position: relative;

  max-width: 50%;

  text-align: center;

}

.modalContent span {

  word-wrap: break-word;

}

.modalContent > button {

  position: absolute;

  top: 3px;

  right: 8px;

  background: none;

  border: none;

  cursor: pointer;

}

#authorMain {

  padding: 150px 0;

}

#authorMain .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  -webkit-box-pack: space-evenly;

      -ms-flex-pack: space-evenly;

          justify-content: space-evenly;

}

.authorCol {

  width: 45%;

}

#authorInfo {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  -webkit-box-orient: vertical;

  -webkit-box-direction: normal;

      -ms-flex-direction: column;

          flex-direction: column;

}

#authorInfo span {

  margin-bottom: 5px;

}

#authorImage {

  width: 300px;

  border-radius: 50%;

  overflow: hidden;

  margin-bottom: 10px;

}

#authorImage img {

  width: 100%;

  display: block;

}

#authorSocial ul {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

}

#authorSocial ul li {

  margin-left: 3px;

  margin-right: 3px;

}

.portfolioLink {

  margin-top: 20px;

  text-align: right;

}

#cartMain {

  padding: 130px 0;

}

#cartMain .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: justify;

      -ms-flex-pack: justify;

          justify-content: space-between;

}

#cartList {

  width: 70%;

}

.tableWrapper {

  overflow: auto;

}

.table {

  width: 100%;

  border-radius: 5px 5px 0 0;

  overflow: hidden;

}

.table tr {

  text-align: center;

}

.table tr td {

  padding: 10px 5px;

}

.table thead tr {

  background-color: #ffd247;

}

.table tbody tr:nth-child(even) {

  background-color: #e6e6e6;

}

.colDeviceName {

  width: 60%;

  min-width: 300px;

}

.colPrice, .colQuantity {

  width: 15%;

}

.colPrice {

  min-width: 70px;

}

.colQuantity {

  min-width: 90px;

}

.colRemove {

  width: 10%;

  min-width: 60px;

}

.btnQuantity {

  padding: 0;

  margin: 0 5px;

  display: inline-block;

  width: 17px;

  height: 17px;

}

.btnRemove {

  background: none;

  border: none;

  padding: 5px;

  cursor: pointer;

}

.btnRemove i {

  color: red;

}

#checkout {

  width: 25%;

  border: 1px solid #919191;

  border-radius: 5px;

  padding: 10px;

  height: 0%;

}

#btnCheckout {

  display: block;

  width: 100%;

  margin-top: 10px;

}

#footer {

  background-color: #141414;

  padding: 20px 0;

}

#footer .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -ms-flex-pack: distribute;

      justify-content: space-around;

}

#footer a {

  color: #fff;

  -webkit-transition: .1s color;

  transition: .1s color;

}

#footer a i, #footer a span {

  color: #fff;

  -webkit-transition: .1s;

  transition: .1s;

}

#footer a:hover {

  color: #ffd247;

}

#footer a:hover i, #footer a:hover span {

  color: #ffd247;

}

#footer ul {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-orient: vertical;

  -webkit-box-direction: normal;

      -ms-flex-direction: column;

          flex-direction: column;

}

.socialText {

  margin-left: 4px;

}

#copyright {

  text-align: center;

  color: #fff;

  display: block;

  margin-top: 15px;

}

#toTop {

  width: 50px;

  height: 50px;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  background-color: #ffd247;

  position: fixed;

  right: 50px;

  bottom: 50px;

  border-radius: 50%;

}

.arrow {

  width: 13px;

  height: 13px;

  border-top: 2px solid #141414;

  border-right: 2px solid #141414;

  -webkit-transform: rotate(-45deg);

          transform: rotate(-45deg);

  margin-top: 6px;

}

#survey {

  position: fixed;

  left: 0;

  bottom: 0;

  width: 100%;

  padding: 15px 0;

  background-color: #e6e6e6;

  z-index: 1;

}

#survey .container {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

}

#survey .container span {

  text-align: center;

  margin-right: 20px;

}

#survey .container form {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

}

.surveyChoices {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

}

.surveyRadioButton {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  margin: 0 4px;

}

.surveyRadioButton label {

  margin-right: 2px;

}

#btnSubmitSurvey {

  margin-left: 20px;

}

#btnCloseSurveyBar {

  position: absolute;

  right: 20px;

  top: 50%;

  -webkit-transform: translateY(-50%);

          transform: translateY(-50%);

  cursor: pointer;

  border: none;

  background: none;

}

#surveyResults {

  text-align: left;

  margin-top: 10px;

}

#surveyResults li {

  margin: 5px 0;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

#surveyResults li .answer {

  min-width: 20px;

}

#surveyResults li .progress {

  width: 400px;

  height: 20px;

  background-color: #e6e6e6;

  border-radius: 3px;

  overflow: hidden;

  -webkit-box-shadow: 0 1px 5px #919191 inset;

          box-shadow: 0 1px 5px #919191 inset;

  position: relative;

}

#surveyResults li .progress::before {

  content: attr(data-label);

  position: absolute;

  text-align: center;

  top: 50%;

  left: 0;

  right: 0;

  -webkit-transform: translateY(-50%);

          transform: translateY(-50%);

}

#surveyResults li .progress .progressValue {

  background-color: #ffd247;

  height: 100%;

  display: inline-block;

}

.adminHeader > .container {

  height: 60px;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-pack: end;

      -ms-flex-pack: end;

          justify-content: flex-end;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

}

.adminHeader > .container #hamburger {

  display: block;

}

#adminNav ul {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

}

#adminNav ul li a {

  padding: 10px;

  color: #fff;

  -webkit-transition: .2s;

  transition: .2s;

}

#adminNav ul li a:hover {

  color: #ffd247;

}

#adminMain {

  background-color: #fff;

  padding: 130px 0px 30px 0px;

  min-height: 100vh;

}

.colActions {

  min-width: 150px;

}

.btnEdit {

  margin-right: 3px;

}

.btnDelete {

  background-color: #919191;

}

.btnDelete:hover {

  background-color: rgba(0, 0, 0, 0.7);

}

.btnAdminAdd {

  margin-top: 30px;

}

.messageContainer {

  margin-bottom: 30px;

}

.messageContainer p {

  word-wrap: break-word;

}

.btnDeleteMessage {

  margin-top: 20px;

}

.areYouSure {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-orient: vertical;

  -webkit-box-direction: normal;

      -ms-flex-direction: column;

          flex-direction: column;

}

.areYouSureButtons {

  margin-top: 10px;

}

.areYouSureButtons button {

  width: 50px;

  height: 30px;

}

.btnNo {

  margin-left: 3px;

  background-color: #e6e6e6;

}

.btnNo:hover {

  background-color: #919191;

}

.addForm form {

  text-align: left;

  margin-top: 20px;

  max-height: 80vh;

  overflow-y: auto;

  width: inherit;

}

.adminModal {

  position: fixed;

  top: 0;

  left: 0;

  width: 100%;

  height: 100%;

  z-index: 4;

}

.adminModal .cover {

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

}

.adminModalContent {

  padding: 25px;

  border-radius: 10px;

  background-color: #fff;

  position: relative;

  width: 400px;

  text-align: center;

}

.adminModalContent > button {

  position: absolute;

  top: 3px;

  right: 8px;

  background: none;

  border: none;

  cursor: pointer;

}

#errorPage {

  height: 100vh;

  background-color: #e6e6e6;

}

#errorPage .container {

  height: 100%;

  display: -webkit-box;

  display: -ms-flexbox;

  display: flex;

  -webkit-box-align: center;

      -ms-flex-align: center;

          align-items: center;

  -webkit-box-pack: center;

      -ms-flex-pack: center;

          justify-content: center;

  -webkit-box-orient: vertical;

  -webkit-box-direction: normal;

      -ms-flex-direction: column;

          flex-direction: column;

}

#errorPage .container a {

  color: #919191;

  margin-top: 10px;

}

@media screen and (min-width: 1201px) {

  .device:hover {

    -webkit-transform: translateY(-20px);

            transform: translateY(-20px);

    -webkit-box-shadow: 0px 0px 10px 5px #e6e6e6;

            box-shadow: 0px 0px 10px 5px #e6e6e6;

  }

  .device:hover .btnAddToCart {

    opacity: 100%;

  }

}

@media screen and (max-width: 1200px) {

  #filters {

    width: 25%;

  }

  #devicesContainer {

    width: 70%;

  }

  .device {

    width: 45%;

  }

  .device .btnAddToCart {

    opacity: 100%;

  }

  #contactForm form {

    width: 100%;

  }

}

@media screen and (max-width: 992px) {

  #aboutUs .container {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

  }

  #aboutUsImage {

    margin-bottom: 30px;

  }

  #aboutUsText {

    text-align: center;

    max-width: 70%;

  }

  #devicesMain .container {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

  }

  #filters {

    margin-bottom: 40px;

    width: 100%;

    -webkit-box-orient: horizontal;

    -webkit-box-direction: normal;

        -ms-flex-direction: row;

            flex-direction: row;

  }

  #devicesContainer {

    width: 100%;

  }

  #contactMain {

    padding: 95px 0;

  }

  #contactMain .container {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

    -webkit-box-align: center;

        -ms-flex-align: center;

            align-items: center;

  }

  .contactCol {

    width: 60%;

  }

  #contactText {

    margin-bottom: 40px;

  }

  .modalContent {

    max-width: 80%;

  }

  #authorMain .container {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

  }

  #authorText {

    margin-top: 20px;

    text-align: center;

  }

  .authorCol {

    width: 70%;

  }

  .portfolioLink {

    text-align: center;

  }

  #cartMain {

    padding: 90px 0;

  }

  #cartMain .container {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

  }

  #cartList {

    width: 100%;

    -webkit-box-ordinal-group: 3;

        -ms-flex-order: 2;

            order: 2;

  }

  #checkout {

    width: 100%;

    -webkit-box-ordinal-group: 2;

        -ms-flex-order: 1;

            order: 1;

    margin-bottom: 20px;

  }

}

@media screen and (max-width: 768px) {

  .font-xs {

    font-size: 10px;

  }

  .font-small {

    font-size: 14px;

  }

  .font-medium {

    font-size: 17px;

  }

  .font-large {

    font-size: 25px;

  }

  .font-xl {

    font-size: 30px;

  }

  .font-xxl {

    font-size: 40px;

  }

  .container {

    width: 90%;

  }

  #logo {

    width: 100px;

  }

  #nav {

    display: none;

  }

  #hamburger {

    display: block;

  }

  #sliderText {

    text-align: center;

  }

  #devicesMain {

    padding: 120px 0px;

  }

  #contactMain {

    padding: 120px 0;

  }

  .contactCol {

    width: 70%;

  }

  #authorMain {

    padding: 120px 0;

  }

  #cartMain {

    padding: 120px 0;

  }

  #survey .container {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

  }

  #survey .container span {

    margin-bottom: 10px;

    margin-right: 0;

    max-width: 70%;

  }

  #survey .container form {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

  }

  #survey .container form .surveyChoices {

    margin-bottom: 10px;

  }

  #survey .container form #btnSubmitSurvey {

    margin-left: 0;

  }

}

@media screen and (max-width: 576px) {

  #loginContainer {

    width: 85%;

  }

  #aboutUsImage {

    width: 70%;

  }

  #aboutUsText {

    max-width: 100%;

  }

  .device {

    width: 80%;

  }

  .contactCol {

    width: 90%;

  }

  #authorImage {

    width: 80%;

  }

  .authorCol {

    width: 90%;

  }

  #footer .container {

    -webkit-box-orient: vertical;

    -webkit-box-direction: normal;

        -ms-flex-direction: column;

            flex-direction: column;

    -webkit-box-align: center;

        -ms-flex-align: center;

            align-items: center;

    -webkit-box-pack: center;

        -ms-flex-pack: center;

            justify-content: center;

  }

  #footer ul {

    -webkit-box-orient: horizontal;

    -webkit-box-direction: normal;

        -ms-flex-direction: row;

            flex-direction: row;

    margin-bottom: 10px;

  }

  #footer ul li a {

    padding: 5px;

  }

  .socialText {

    display: none;

  }

  #toTop {

    right: 25px;

    bottom: 25px;

  }

  .adminModalContent {

    width: 85%;

  }

}

/\*# sourceMappingURL=style.css.map \*/

## 3.3 JavaScript/jQuery

### main.js

$(document).ready(function() {

    // LOGIN MODAL

    $('.btnLogin').click(function(e) {

        e.preventDefault();

    });

    $('#btnLogin').click(function() {

        openLoginModal('login');

    });

    $('#btnRegister').click(function() {

        openLoginModal('register');

    });

    function openLoginModal(data) {

        $('body').append("<div id='loginModal'><div class='cover'><div id='loginContainer'><div id='loginModalContent'></div><button id='btnCloseLoginModal' class='font-medium'><i class='fas fa-times'></i></butotn></div></div></div>");

        loginModalContent(data);

        $('#loginModal .cover, #btnCloseLoginModal').mousedown(closeLoginModal);

        $('#loginContainer').mousedown(function(e) {

            e.stopPropagation();

        });

        $('#loginModal .cover, #loginContainer').hide();

        $('#loginModal .cover').fadeIn('fast', function() {

            $('#loginContainer').fadeIn('fast');

        });

    }

    function closeLoginModal() {

        $('#loginContainer').fadeOut('fast', function() {

            $('#loginModal .cover').fadeOut('fast', function() {

                $('#loginModal').remove();

            });

        });

    }

    function loginModalContent(data) {

        let html;

        if(data == 'login') {

            html = "<h3 class='font-large textCenter'>Log in</h3><form class='font-small'><div class='formGroup'><label for='tbLoginEmail'>Email:</label><input type='email' id='tbLoginEmail' class='textField font-small' autocomplete='off'/><label class='errorMessage font-small'>examplename@example.com</label></div><div class='formGroup'><label for='tbLoginPassword'>Password:</label><input type='password' id='tbLoginPassword' class='textField font-small'/><label class='errorMessage font-small'>Your password must:<ul><li>- contain 1 lowercase letter</li><li>- contain 1 uppercase letter</li><li>- contain 1 number</li><li>- contain 1 special character</li><li>- be 8 characters or longer</li></ul></label></div><div class='formGroup'><button id='btnLoginSubmit' class='btnPrimary font-small'>Log in</button></div></form><a href='#' id='changeToRegister' class='font-small'>Not a user? Register here</a>";

        } else {

            html = "<h3 class='font-large textCenter'>Register</h3><form class='font-small'><div class='formGroup'><label for='tbRegisterUsername'>Username:</label><input type='text' id='tbRegisterUsername' maxlength='20' class='textField font-small' autocomplete='off'/><label class='errorMessage font-small'>Your username must:<ul><li>- start with a letter</li><li>- be 5 characters or longer</li><li>- not contain special characters other than '\_'</li></ul></label></div><div class='formGroup'><label for='tbRegisterEmail'>Email:</label><input type='email' id='tbRegisterEmail' class='textField font-small' autocomplete='off'/><label class='errorMessage font-small'>examplename@example.com</label></div><div class='formGroup'><label for='tbRegisterPassword'>Password:</label><input type='password' id='tbRegisterPassword' class='textField font-small'/><label class='errorMessage font-small'>Your password must:<ul><li>- contain 1 lowercase letter</li><li>- contain 1 uppercase letter</li><li>- contain 1 number</li><li>- contain 1 special character</li><li>- be 8 characters or longer</li></ul></label></div><div class='formGroup'><label for='tbRegisterRepeatPassword'>Repeat Password:</label><input type='password' id='tbRegisterRepeatPassword' class='textField font-small'/><label class='errorMessage font-small'>Passwords don't match</label></div><div class='formGroup'><button id='btnRegisterSubmit' class='btnPrimary font-small'>Register</button></div></form><a href='#' id='changeToLogin' class='font-small'>Already have an account? Log in</a>";

        }

        $('#loginModalContent').html(html);

        $('#loginModalContent a').click(function(e) {

            e.preventDefault();

            if($(this).attr('id') == 'changeToRegister') loginModalContent('register');

            else loginModalContent('login');

        });

        // form validation

        if(data == 'login') {

            // LOGIN

            // email

            var regExpLoginEmail = /^[a-z][a-z0-9-\_\.]{2,}@([a-z0-9-\_]{2,}\.)+[a-z]{2,}$/;

            var $tbLoginEmail = $('#tbLoginEmail');

            $tbLoginEmail.blur(checkLoginEmail);

            function checkLoginEmail() {

                checkRegExp($tbLoginEmail, regExpLoginEmail);

            }

            // password

            var regExpLoginPassword = /^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/;

            var $tbLoginPassword = $('#tbLoginPassword');

            $tbLoginPassword.blur(checkLoginPassword);

            function checkLoginPassword() {

                checkRegExp($tbLoginPassword, regExpLoginPassword);

            }

            // form submition

            var checkLoginFunctions = [checkLoginEmail, checkLoginPassword];

            $('#btnLoginSubmit').click(function(e) {

                submitForm(checkLoginFunctions);

                if(noErrors) {

                    ajaxCallback('assets/php/forms/login-form-validation.php', 'post', function() {

                        location.reload();

                    }, {

                        "email": $('#tbLoginEmail').val(),

                        "password": $('#tbLoginPassword').val()

                    });

                }

                e.preventDefault();

            });

        } else {

            // REGISTRATION

            // username

            var regExpRegisterUsername = /^[a-zA-Z]\w{4,}$/;

            var $tbRegisterUsername = $('#tbRegisterUsername');

            $tbRegisterUsername.blur(checkRegisterUsername);

            function checkRegisterUsername() {

                checkRegExp($tbRegisterUsername, regExpRegisterUsername);

            }

            // email

            var regExpRegisterEmail = /^[a-z][a-z0-9-\_\.]{2,}@([a-z0-9-\_]{2,}\.)+[a-z]{2,}$/;

            var $tbRegisterEmail = $('#tbRegisterEmail');

            $tbRegisterEmail.blur(checkRegisterEmail);

            function checkRegisterEmail() {

                checkRegExp($tbRegisterEmail, regExpRegisterEmail);

            }

            // password

            var regExpRegisterPassword = /^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/;

            var $tbRegisterPassword = $('#tbRegisterPassword');

            $tbRegisterPassword.blur(checkRegisterPassword);

            function checkRegisterPassword() {

                checkRegExp($tbRegisterPassword, regExpRegisterPassword);

                if($('#tbRegisterRepeatPassword').val() != '') checkRegisterRepeatPassword();

            }

            // repeat password

            var $tbRegisterRepeatPassword = $('#tbRegisterRepeatPassword');

            $tbRegisterRepeatPassword.blur(checkRegisterRepeatPassword);

            function checkRegisterRepeatPassword() {

                if($($tbRegisterPassword).hasClass('borderYellow') && $($tbRegisterRepeatPassword).val() == $($tbRegisterPassword).val()) {

                    fieldCorrect($tbRegisterRepeatPassword);

                } else {

                    fieldIncorrect($tbRegisterRepeatPassword);

                }

            }

            // form submition

            var checkRegisterFunctions = [checkRegisterEmail, checkRegisterPassword, checkRegisterRepeatPassword, checkRegisterUsername];

            $('#btnRegisterSubmit').click(function(e) {

                submitForm(checkRegisterFunctions);

                if(noErrors) {

                    ajaxCallback('assets/php/forms/register-form-validation.php', 'post', function(output) {

                        clearForm($('#loginModalContent form'));

                        closeLoginModal();

                        openModal(output.response);

                    }, {

                        "username": $('#tbRegisterUsername').val(),

                        "email": $('#tbRegisterEmail').val(),

                        "password": $('#tbRegisterPassword').val(),

                        "repeatPassword": $('#tbRegisterRepeatPassword').val(),

                    });

                }

                e.preventDefault();

            });

        }

    }

    // ACTIVE CLASS

    addActiveClass();

    function addActiveClass() {

        var currentPage = location.pathname;

        var pageRegExp = /[(\.html)|(\.php)]$/;

        if(!currentPage.match(pageRegExp)) currentPage = '/index.php';

        currentPage = currentPage.substring(currentPage.lastIndexOf('/') + 1, currentPage.length);

        $('#nav ul li a, #sideNavContent ul li a').each(function() {

            $this = $(this);

            if($this.attr('href').indexOf(currentPage) != -1){

                $this.addClass('active');

                $this.click(function(e) {

                    e.preventDefault();

                });

            }

        });

    }

    // CART

    $('#cart a').click(function(e) {

        ajaxCallback("assets/php/cart-access.php", "get", function() {

            location.href = "cart.php";

        });

        e.preventDefault();

    });

    printCartNumber();

    // SIDENAV

    $('#sideNavContent').css('transition', `transform ${sideNavOpenDuration / 1000}s`);

    $('#sideNav').hide();

    $('#hamburger a').click(function(e) {

        $('#sideNav').fadeIn('fast', function() {

            $('#sideNavContent').css('transform', 'translateX(0px)');

        });

        e.preventDefault();

    });

    $('#sideNav .cover').click(closeSideNav);

    $('#sideNavContent').click(function(e) {

        e.stopPropagation();

    });

    // SCROLL TO TOP

    $('body').append('<a href="#" id="toTop"><span class="arrow"></span></div>');

    $('#toTop').click(function(e) {

        $(document).scrollTop(0);

        e.preventDefault();

    }).hide();

    $(document).scroll(function() {

        if($(this).scrollTop() >= 200) $('#toTop').fadeIn('fast');

        else $('#toTop').fadeOut('fast');

    });

    // FORM SUBMIT ON ENTER

    $('.textField').keydown(function(e) {

        if(e.keyCode == 13) {

            e.preventDefault();

        }

    });

    // SURVEY

    $('#btnSubmitSurvey').click(function(e) {

        e.preventDefault();

        let rating = $('.rbSurvey:checked').val();

        if(rating) {

            ajaxCallback("assets/php/forms/survey-submition.php", "get", function() {

                location.reload();

            }, {

                "rating": rating

            });

        } else {

            openModal("Please choose one of the options.");

        }

    });

    $('#btnSurveyResults').click(function() {

        ajaxCallback("assets/php/pages/survey-results.php", "get", function(output) {

            openModal(output.response);

        });

    });

    $('#btnCloseSurveyBar').click(function() {

        ajaxCallback("assets/php/close-survey-bar.php", "get", function() {

            $('#survey').slideUp('fast', function() {

                $(this).remove();

            });

        });

    });

});

// AJAX

function ajaxCallback(file, requestMethod, result, requestData = {}) {

    $.ajax({

        url: file,

        method: requestMethod,

        data: requestData,

        dataType: 'json',

        success: result,

        error: function(xhr) {

            if(xhr.status == 500) {

                console.error(xhr.responseText);

            } else if(xhr.status != 400) {

                openModal(xhr.responseText);

            }

        }

    });

}

// LOCAL STORAGE

function loadLocalStorage(data) {

    let cookie = [];

    if(localStorage.getItem(data) != null) {

        cookie = JSON.parse(localStorage.getItem(data));

    }

    return cookie;

}

function updateLocalStorage(data, cookie) {

    localStorage.setItem(cookie, JSON.stringify(data));

}

// CART NUMBER

function printCartNumber() {

    let cartDevices = loadLocalStorage('cart');

    var numberOfDevices = 0;

    for(let i in cartDevices) {

        numberOfDevices += cartDevices[i].quantity;

    }

    $('#cartNumber').html(numberOfDevices);

}

// SIDENAV

const sideNavOpenDuration = 200;

function closeSideNav() {

    $('#sideNavContent').css('transform', 'translateX(-100%)');

    setTimeout(function() {

        $('#sideNav').fadeOut('fast');

    }, sideNavOpenDuration);

}

### home.js

$(document).ready(function() {

    // TRANSPARENT HEADER

    if($(document).scrollTop() < $('#header').outerHeight()) $('#header').addClass('bgTransparent');

    $(document).scroll(function() {

        if($(document).scrollTop() > $('#header').outerHeight()) $('#header').removeClass('bgTransparent');

        else $('#header').addClass('bgTransparent');

    });

    // SLIDESHOW

    $('.slide:not(:first)').hide();

    var sliderImages = $('.slide');

    var currentSlide = 0;

    var previousSlide;

    var sliderInterval = 5000;

    setInterval(changeSlide, sliderInterval);

    function changeSlide() {

        previousSlide = currentSlide;

        currentSlide++;

        if(currentSlide >= sliderImages.length) currentSlide = 0;

        $('.slide').eq(currentSlide).css('z-index', '-1').fadeIn(function() {

            $('.slide').eq(previousSlide).hide();

        });

        $('.slide').eq(previousSlide).css('z-index', '-2');

    }

});

### form-validation.js

var noErrors;

function checkRegExp(field, regExp) {

    if(field.val().match(regExp)) fieldCorrect(field);

    else fieldIncorrect(field);

}

function fieldCorrect(field) {

    $(field).addClass('borderYellow');

    $(field).removeClass('borderRed');

    $(field).siblings('.errorMessage').slideUp();

}

function fieldIncorrect(field) {

    $(field).addClass('borderRed');

    $(field).removeClass('borderYellow');

    $(field).siblings('.errorMessage').slideDown();

    noErrors = false;

}

function fieldNeutral(field) {

    $(field).removeClass('borderRed');

    $(field).removeClass('borderYellow');

    $(field).siblings('.errorMessage').slideUp();

}

function submitForm(checkFunctions, form = false, message = false) {

    noErrors = true;

    for(var f of checkFunctions) {

        f();

    }

    if(noErrors) {

        if(form) clearForm(form);

        if(message) openModal(message);

    }

}

function clearForm(form) {

    $(form).find('.textField').val('').removeClass('borderYellow');

}

function openModal(message) {

    $('body').append(`<div class="successModal"><div class="cover"><div class="modalContent"><span class="font-small">${message}</span><button class="font-medium btnCloseModal"><i class="fas fa-times"></i></button></div></div></div>`);

    $('.successModal, .modalContent').hide();

    $('.successModal .cover, .btnCloseModal').click(closeModal);

    $('.modalContent').click(function(e) {

        e.stopPropagation();

    });

    $('.successModal').fadeIn('fast', function() {

        $('.modalContent').fadeIn('fast');

    });

}

function closeModal() {

    $('.modalContent').fadeOut('fast', function() {

        $('.successModal').fadeOut('fast', function() {

            $('.successModal').remove();

        });

    });

}

### devices.js

var currentPage = 1;

$(document).ready(function() {

    // PRICE RANGE

    function printPriceRangeValue() {

        $('#priceRange').html(`< ${$('#rnPrice').val()}€`);

    }

    printPriceRangeValue();

    $('#rnPrice').on('input', printPriceRangeValue);

    // DEVICES

    filterDevices();

    function filterDevices(resetPage = false) {

        if(resetPage) currentPage = 1;

        let data = {

            "search": getFilter('#tbSearch'),

            "order": getFilter('#ddlOrder'),

            "os": getFilter('.chbOS'),

            "brand": getFilter('.chbBrand'),

            "priceRange": getFilter('#rnPrice'),

            "page": currentPage

        };

        ajaxCallback('assets/php/device-filtering.php', 'get', function(output) {

            $('#devicesContainer').html(output.response);

            $('.btnAddToCart').click(function() {

                addToCart(this);

            });

            enablePaging();

        }, data);

    }

    function getFilter(data) {

        if(data.startsWith('#')) return $(data).val();

        else if(data.startsWith('.')) {

            let arr = [];

            for(let el of $(data)) {

                if(el.checked) arr.push(el.value);

            }

            return arr;

        }

    }

    // FILTERING

    $('#tbSearch').keyup(function() {

        filterDevices(true);

    });

    $('.filterAction').change(function() {

        filterDevices(true);

    });

    // ADDING TO CART

    function addToCart(btn) {

        let cartDevices = loadLocalStorage('cart');

        var deviceId = parseInt($(btn).data('id'));

        var isInCart = false;

        var index;

        for(let i in cartDevices) {

            if(deviceId == cartDevices[i].id) {

                index = i;

                isInCart = true;

                break;

            }

        }

        if(isInCart) {

            if(cartDevices[index].quantity < 10) {

                cartDevices[index].quantity++;

                updateLocalStorage(cartDevices, 'cart');

                successfullyAddedModal();

                printCartNumber();

            }

            else cannotAddModal();

        } else {

            ajaxCallback('assets/php/add-to-cart.php', 'get', function(output) {

                cartDevices.push({

                    "id": output.id,

                    "name": output.name,

                    "price": output.price,

                    "quantity": 1

                });

                updateLocalStorage(cartDevices, 'cart');

                successfullyAddedModal();

                printCartNumber();

            }, {"deviceId": deviceId});

        }

    }

    function addToCartModal(modal) {

        $('body').append(modal);

        modal.hide();

        modal.fadeIn('fast');

        setTimeout(function() {

            modal.fadeOut('fast', function() {

                modal.remove();

            });

        }, 2000);

    }

    function successfullyAddedModal() {

        var modal = $('<div class="addToCartModal"><div class="addToCartModalContent"><p class="font-small">Item has been succesfully added to your cart.</p></div></div>');

        addToCartModal(modal);

    }

    function cannotAddModal() {

        var modal = $("<div class='addToCartModal'><div class='addToCartModalContent cannotAdd'><p class='font-small'>You can't have more than 10 of the same device in your cart.</p></div></div>");

        addToCartModal(modal);

    }

    // PAGING

    function enablePaging() {

        $('.btnPage').removeClass('disabled').eq(currentPage - 1).addClass('activePage');

        if(currentPage == 1) $('.prevPage').addClass('disabled');

        if(currentPage == $('.btnPage').length) $('.nextPage').addClass('disabled');

        $('#paging a').click(function(e) {

            e.preventDefault();

            if(!$(this).hasClass('disabled')) {

                if($(this).hasClass('prevPage') || $(this).hasClass('nextPage')) {

                    if($(this).hasClass('prevPage')) {

                        if(currentPage > 1) currentPage--;

                    }

                    else if(currentPage < $('.btnPage').length) currentPage++;

                    $('.btnPage').removeClass('activePage').eq(currentPage - 1).addClass('activePage');

                } else {

                    $('.btnPage').removeClass('activePage');

                    $(this).addClass('activePage');

                    currentPage = $(this).data('page')

                }

                filterDevices();

            }

        });

    }

});

### contact.js

$(document).ready(function() {

    // FORM VALIDATION

    // NAME

    var regExpName = /^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽ][a-zšđčćž]{2,})\*$/;

    var $tbName = $('#tbName');

    $tbName.blur(checkName);

    function checkName() {

        checkRegExp($tbName, regExpName);

    }

    // EMAIl

    var regExpEmail = /^[a-z][a-z0-9-\_\.]{2,}@([a-z0-9-\_]{2,}\.)+[a-z]{2,}$/;

    var $tbEmail = $('#tbEmail');

    $tbEmail.blur(checkEmail);

    function checkEmail() {

        checkRegExp($tbEmail, regExpEmail);

    }

    // MESSAGE

    var $tbMessage = $('#tbMessage');

    function checkMessage() {

        var numberOfSpaces = tbMessage.value.replace(/[^\s]/mg, "").length;

        if(tbMessage.value.length - numberOfSpaces < 20 || tbMessage.value.length > 500) {

            fieldIncorrect($tbMessage);

        } else {

            fieldCorrect($tbMessage);

        }

    }

    $tbMessage.blur(checkMessage);

    // FORM SUBMITION

    var checkFunctions = [checkName, checkEmail, checkMessage];

    $('#btnSend').click(function(e) {

        submitForm(checkFunctions);

        if(noErrors) {

            let data = {

                "email": $('#tbEmail').val(),

                "name": $('#tbName').val(),

                "message": $('#tbMessage').val()

            };

            ajaxCallback('assets/php/forms/contact-form-validation.php', 'post', function(output) {

                clearForm($('#contactForm form'));

                openModal(output.response);

            }, data);

        }

        e.preventDefault();

    });

});

### cart.js

$(document).ready(function() {

    // CART LIST

    function printCartDevices() {

        let cartDevices = loadLocalStorage('cart');

        $('#cartList tbody').html('');

        for(let i in cartDevices) {

            var currentDevice = cartDevices[i];

            $('#cartList tbody').append(`<tr data-id="${currentDevice.id}" class="cartItem"><td class="colDeviceName">${currentDevice.name}</td><td class="colPrice">${currentDevice.price}€</td><td class="colQuantity"><button class="btnPrimary btnQuantity btnDecrease"><span>-</span></button><span class="quantity">${currentDevice.quantity}</span><button class="btnPrimary btnQuantity btnIncrease"><span>+</span></button></td><td class="colRemove"><button class="btnRemove"><i class="fas fa-minus"></i></button></td></tr>`);

        }

    }

    printCartDevices();

    // BUTTON QUANTITY

    $('.btnQuantity').click(function() {

        let cartDevices = loadLocalStorage('cart');

        var deviceId = parseInt($(this).parents('tr').data('id'));

        var index;

        for(let i in cartDevices) {

            if(deviceId == cartDevices[i].id) {

                index = i;

                break;

            }

        }

        if($(this).hasClass('btnIncrease')) {

            if(cartDevices[index].quantity < 10) {

                cartDevices[index].quantity++;

                updateLocalStorage(cartDevices, 'cart');

            }

        } else {

            if(cartDevices[index].quantity > 1) {

                cartDevices[index].quantity--;

                updateLocalStorage(cartDevices, 'cart');

            }

        }

        $(this).siblings('.quantity').html(cartDevices[index].quantity);

        printCartNumber();

        printTotalPrice();

    });

    // BUTTON REMOVE

    $('.btnRemove').click(function() {

        let cartDevices = loadLocalStorage('cart');

        var deviceId = parseInt($(this).parents('tr').data('id'));

        for(let i in cartDevices) {

            if(cartDevices[i].id == deviceId) {

                removeDevice(i);

                break;

            }

        }

        printCartNumber();

        printTotalPrice();

        $(this).parents('tr').remove();

    });

    function removeDevice(index) {

        let cartDevices = loadLocalStorage('cart');

        cartDevices.splice(index, 1);

        updateLocalStorage(cartDevices, 'cart');

    }

    // TOTAL PRICE

    var totalPrice;

    function printTotalPrice() {

        let cartDevices = loadLocalStorage('cart');

        totalPrice = 0;

        for(let i in cartDevices) totalPrice += cartDevices[i].price \* cartDevices[i].quantity;

        $('#totalPrice').html(`Total Price: <span class="bold">${totalPrice}€</span>`).attr('data-price', totalPrice);

    }

    printTotalPrice();

    // FORM VALIDATION

    // NAME

    var regExpName = /^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽ][a-zšđčćž]{2,})+$/;

    var $tbName = $('#tbName');

    $tbName.blur(checkName);

    function checkName() {

        checkRegExp($tbName, regExpName);

    }

    // EMAIL

    var regExpEmail = /^[a-z][a-z0-9-\_\.]{2,}@([a-z0-9-\_]{2,}\.)+[a-z]{2,}$/;

    var $tbEmail = $('#tbEmail');

    $tbEmail.blur(checkEmail);

    function checkEmail() {

        checkRegExp($tbEmail, regExpEmail);

    }

    // ADDRESS

    var regExpAddress = /^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽa-zšđčćž][a-zšđčćž]{2,})\*\s\d+[A-Z]?(\/\d+)\*$/;

    var $tbAddress = $('#tbAddress');

    $tbAddress.blur(checkAddress);

    function checkAddress() {

        checkRegExp($tbAddress, regExpAddress);

    }

    // CHECKOUT BUTTON

    var checkFunctions = [checkName, checkEmail, checkAddress];

    $('#btnCheckout').click(function() {

        if($('.cartItem').length != 0) {

            submitForm(checkFunctions);

            if(noErrors) {

                ajaxCallback('assets/php/forms/checkout-form-validation.php', 'post', function(output) {

                    openModal(output.response);

                    emptyCart();

                    clearForm($('#checkout form'));

                }, {

                    "name": $('#tbName').val(),

                    "email": $('#tbEmail').val(),

                    "address": $('#tbAddress').val(),

                    "totalPrice": $('#totalPrice').data('price'),

                    "details": loadLocalStorage('cart')

                });

            }

        } else openModal('Your cart is empty!');

    });

    function emptyCart() {

        updateLocalStorage([], 'cart');

        printCartDevices();

        printTotalPrice();

        printCartNumber();

    }

});

### admin.js

$(document).ready(function() {

    // SECTIONS

    printAdminSection('print-users.php');

    function printAdminSection(fileName) {

        ajaxCallback(`assets/php/admin/${fileName}`, 'get', function(output) {

            $('#adminMain .container').html(output.response);

            addAdminEvents();

        });

    }

    $('#sideNavContent a').click(function(e) {

        e.preventDefault();

        closeSideNav();

        let href = $(this).attr('href');

        printAdminSection(href);

    });

    // BUTTONS

    function addAdminEvents() {

        // ADDING

        $('.btnAdminAdd').click(function() {

            let formFile = $(this).data('form');

            ajaxCallback(`assets/php/admin/adding/forms/${formFile}`, 'get', function(output) {

                adminModal(output.response);

                addingEvents(formFile);

            });

        });

        // adding events

        function addingEvents(formFile) {

            if(formFile == 'add-user-form.php') {

                // username

                var regExpAddUserUsername = /^[a-zA-Z]\w{4,}$/;

                var $tbAddUserUsername = $('#tbAddUserUsername');

                $tbAddUserUsername.blur(checkAddUserUsername);

                function checkAddUserUsername() {

                    checkRegExp($tbAddUserUsername, regExpAddUserUsername);

                }

                // email

                var regExpAddUserEmail = /^[a-z][a-z0-9-\_\.]{2,}@([a-z0-9-\_]{2,}\.)+[a-z]{2,}$/;

                var $tbAddUserEmail = $('#tbAddUserEmail');

                $tbAddUserEmail.blur(checkAddUserEmail);

                function checkAddUserEmail() {

                    checkRegExp($tbAddUserEmail, regExpAddUserEmail);

                }

                // password

                var regExpAddUserPassword = /^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/;

                var $tbAddUserPassword = $('#tbAddUserPassword');

                $tbAddUserPassword.blur(checkAddUserPassword);

                function checkAddUserPassword() {

                    checkRegExp($tbAddUserPassword, regExpAddUserPassword);

                }

                // form submition

                var checkAddUserFunctions = [checkAddUserEmail, checkAddUserPassword, checkAddUserUsername];

                $('#btnAddUser').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkAddUserFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/adding/add-user.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "username": $('#tbAddUserUsername').val(),

                            "email": $('#tbAddUserEmail').val(),

                            "password": $('#tbAddUserPassword').val(),

                            "role": $('#ddlRole').val()

                        });

                    }

                    e.preventDefault();

                });

            } else if(formFile == 'add-device-form.php') {

                // name

                var regExpAddDeviceName = /^[A-Za-z0-9\/\-\s]+$/;

                var $tbAddDeviceName = $('#tbAddDeviceName');

                $tbAddDeviceName.blur(checkAddDeviceName);

                function checkAddDeviceName() {

                    checkRegExp($tbAddDeviceName, regExpAddDeviceName);

                }

                // image

                var regExpAddDeviceImage = /^[\w\-]+(\.jpg|\.jpeg|\.png|\.gif)$/;

                var $tbAddDeviceImage = $('#tbAddDeviceImage');

                $tbAddDeviceImage.blur(checkAddDeviceImage);

                function checkAddDeviceImage() {

                    checkRegExp($tbAddDeviceImage, regExpAddDeviceImage);

                }

                // price

                var regExpAddDevicePrice = /^[0-9]+$/;

                var $tbAddDevicePrice = $('#tbAddDevicePrice');

                $tbAddDevicePrice.blur(checkAddDevicePrice);

                function checkAddDevicePrice() {

                    checkRegExp($tbAddDevicePrice, regExpAddDevicePrice);

                }

                // form submition

                var checkAddDeviceFunctions = [checkAddDeviceName, checkAddDeviceImage, checkAddDevicePrice];

                $('#btnAddDevice').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkAddDeviceFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/adding/add-device.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "name": $('#tbAddDeviceName').val().trim(),

                            "image": $('#tbAddDeviceImage').val(),

                            "os": $('#ddlOS').val(),

                            "brand": $('#ddlBrand').val(),

                            "price": $('#tbAddDevicePrice').val()

                        });

                    }

                    e.preventDefault();

                });

            } else if(formFile == 'add-brand-form.php') {

                // name

                var regExpAddBrandName = /^[A-Za-z\s]+$/;

                var $tbAddBrandName = $('#tbAddBrandName');

                $tbAddBrandName.blur(checkAddBrandName);

                function checkAddBrandName() {

                    checkRegExp($tbAddBrandName, regExpAddBrandName);

                }

                // form submition

                var checkAddBrandFunctions = [checkAddBrandName];

                $('#btnAddBrand').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkAddBrandFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/adding/add-brand.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "name": $('#tbAddBrandName').val().trim()

                        });

                    }

                    e.preventDefault();

                });

            } else if(formFile == 'add-os-form.php') {

                // name

                var regExpAddOSName = /^[A-Za-z\s]+$/;

                var $tbAddOSName = $('#tbAddOSName');

                $tbAddOSName.blur(checkAddOSName);

                function checkAddOSName() {

                    checkRegExp($tbAddOSName, regExpAddOSName);

                }

                // form submition

                var checkAddOSFunctions = [checkAddOSName];

                $('#btnAddOS').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkAddOSFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/adding/add-os.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "name": $('#tbAddOSName').val().trim()

                        });

                    }

                    e.preventDefault();

                });

            }

        }

        // EDITING

        $('.btnEdit').click(function() {

            let formFile = $(this).parents('.adminSection').data('editform');

            let id = $(this).parents('tr').data('id');

            ajaxCallback(`assets/php/admin/editing/forms/${formFile}`, 'post', function(output) {

                adminModal(output.response);

                editingEvents(formFile, id);

            }, {

                "id": id

            });

        });

        // editing events

        function editingEvents(formFile, id) {

            if(formFile == 'edit-user-form.php') {

                // dropdown list values

                ajaxCallback('assets/php/get-user-by-id.php', 'post', function(output) {

                    $('#ddlEditRole').val(output.role);

                    $('#ddlEditActive').val(output.active);

                }, {

                    "id": id

                });

                // username

                var regExpEditUserUsername = /^[a-zA-Z]\w{4,}$/;

                var $tbEditUserUsername = $('#tbEditUserUsername');

                $tbEditUserUsername.blur(checkEditUserUsername);

                function checkEditUserUsername() {

                    checkRegExp($tbEditUserUsername, regExpEditUserUsername);

                }

                // email

                var regExpEditUserEmail = /^[a-z][a-z0-9-\_\.]{2,}@([a-z0-9-\_]{2,}\.)+[a-z]{2,}$/;

                var $tbEditUserEmail = $('#tbEditUserEmail');

                $tbEditUserEmail.blur(checkEditUserEmail);

                function checkEditUserEmail() {

                    checkRegExp($tbEditUserEmail, regExpEditUserEmail);

                }

                // password

                $('#chbChangePassword').change(function() {

                    if($(this).is(':checked')) {

                        $('#tbEditUserPassword').attr('disabled', false);

                        checkRegExp($tbEditUserPassword, regExpEditUserPassword);

                    } else {

                        $('#tbEditUserPassword').attr('disabled', true);

                        fieldNeutral($('#tbEditUserPassword'));

                    }

                });

                var regExpEditUserPassword = /^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[0-9])(?=.\*[!@#\$%\^&\\*])(?=.{8,})/;

                var $tbEditUserPassword = $('#tbEditUserPassword');

                $tbEditUserPassword.blur(checkEditUserPassword);

                function checkEditUserPassword() {

                    if($('#chbChangePassword').is(':checked')) {

                        checkRegExp($tbEditUserPassword, regExpEditUserPassword);

                    }

                }

                // form submition

                var checkEditUserFunctions = [checkEditUserEmail, checkEditUserPassword, checkEditUserUsername];

                $('#btnEditUser').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkEditUserFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/editing/edit-user.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "id": id,

                            "username": $('#tbEditUserUsername').val(),

                            "email": $('#tbEditUserEmail').val(),

                            "password": $('#tbEditUserPassword').val(),

                            "changePassword": Number($('#chbChangePassword').is(':checked')),

                            "role": $('#ddlEditRole').val(),

                            "active": $('#ddlEditActive').val()

                        });

                    }

                    e.preventDefault();

                });

            } else if(formFile == 'edit-device-form.php') {

                // dropdown list values

                ajaxCallback('assets/php/get-device-by-id.php', 'post', function(output) {

                    $('#ddlEditOS').val(output.os);

                    $('#ddlEditBrand').val(output.brand);

                    $('#ddlEditDeviceActive').val(output.active);

                }, {

                    "id": id

                });

                // name

                var regExpEditDeviceName = /^[A-Za-z0-9\/\-\s]+$/;

                var $tbEditDeviceName = $('#tbEditDeviceName');

                $tbEditDeviceName.blur(checkEditDeviceName);

                function checkEditDeviceName() {

                    checkRegExp($tbEditDeviceName, regExpEditDeviceName);

                }

                // image

                var regExpEditDeviceImage = /^[\w\-]+(\.jpg|\.jpeg|\.png|\.gif)$/;

                var $tbEditDeviceImage = $('#tbEditDeviceImage');

                $tbEditDeviceImage.blur(checkEditDeviceImage);

                function checkEditDeviceImage() {

                    checkRegExp($tbEditDeviceImage, regExpEditDeviceImage);

                }

                // price

                var regExpEditDevicePrice = /^[0-9]+$/;

                var $tbEditDevicePrice = $('#tbEditDevicePrice');

                $tbEditDevicePrice.blur(checkEditDevicePrice);

                function checkEditDevicePrice() {

                    checkRegExp($tbEditDevicePrice, regExpEditDevicePrice);

                }

                // form submition

                var checkEditDeviceFunctions = [checkEditDeviceName, checkEditDeviceImage, checkEditDevicePrice];

                $('#btnEditDevice').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkEditDeviceFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/editing/edit-device.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "id": id,

                            "name": $('#tbEditDeviceName').val().trim(),

                            "image": $('#tbEditDeviceImage').val(),

                            "os": $('#ddlEditOS').val(),

                            "brand": $('#ddlEditBrand').val(),

                            "price": $('#tbEditDevicePrice').val(),

                            "active": $('#ddlEditDeviceActive').val()

                        });

                    }

                    e.preventDefault();

                });

            } else if(formFile == 'edit-brand-form.php') {

                // name

                var regExpEditBrandName = /^[A-Za-z\s]+$/;

                var $tbEditBrandName = $('#tbEditBrandName');

                $tbEditBrandName.blur(checkEditBrandName);

                function checkEditBrandName() {

                    checkRegExp($tbEditBrandName, regExpEditBrandName);

                }

                // form submition

                var checkEditBrandFunctions = [checkEditBrandName];

                $('#btnEditBrand').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkEditBrandFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/editing/edit-brand.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "id": id,

                            "name": $('#tbEditBrandName').val().trim()

                        });

                    }

                    e.preventDefault();

                });

            } else if(formFile == 'edit-os-form.php') {

                // name

                var regExpEditOSName = /^[A-Za-z\s]+$/;

                var $tbEditOSName = $('#tbEditOSName');

                $tbEditOSName.blur(checkEditOSName);

                function checkEditOSName() {

                    checkRegExp($tbEditOSName, regExpEditOSName);

                }

                // form submition

                var checkEditOSFunctions = [checkEditOSName];

                $('#btnEditOS').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkEditOSFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/editing/edit-os.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "id": id,

                            "name": $('#tbEditOSName').val().trim()

                        });

                    }

                    e.preventDefault();

                });

            } else if(formFile == 'edit-order-form.php') {

                // Buyer name

                var regExpEditOrderBuyerName = /^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽ][a-zšđčćž]{2,})\*$/;

                var $tbEditOrderBuyerName = $('#tbEditOrderBuyerName');

                $tbEditOrderBuyerName.blur(checkEditOrderBuyerName);

                function checkEditOrderBuyerName() {

                    checkRegExp($tbEditOrderBuyerName, regExpEditOrderBuyerName);

                }

                // Buyer email

                var regExpEditOrderBuyerEmail = /^[a-z][a-z0-9\-\_\.]{2,}@([a-z0-9\-\_]{2,}\.)+[a-z]{2,}$/;

                var $tbEditOrderBuyerEmail = $('#tbEditOrderBuyerEmail');

                $tbEditOrderBuyerEmail.blur(checkEditOrderBuyerEmail);

                function checkEditOrderBuyerEmail() {

                    checkRegExp($tbEditOrderBuyerEmail, regExpEditOrderBuyerEmail);

                }

                // Buyer address

                var regExpEditOrderBuyerAddress = /^[A-ZŠĐČĆŽ][a-zšđčćž]{2,}(\s[A-ZŠĐČĆŽa-zšđčćž][a-zšđčćž]{2,})\*\s\d+[A-Z]?(\/\d+)\*$/;

                var $tbEditOrderBuyerAddress = $('#tbEditOrderBuyerAddress');

                $tbEditOrderBuyerAddress.blur(checkEditOrderBuyerAddress);

                function checkEditOrderBuyerAddress() {

                    checkRegExp($tbEditOrderBuyerAddress, regExpEditOrderBuyerAddress);

                }

                // form submition

                var checkEditOrderFunctions = [checkEditOrderBuyerName, checkEditOrderBuyerEmail, checkEditOrderBuyerAddress];

                $('#btnEditOrder').click(function(e) {

                    let printFile = $('.adminSection').data('print');

                    submitForm(checkEditOrderFunctions);

                    if(noErrors) {

                        ajaxCallback('assets/php/admin/editing/edit-order.php', 'post', function() {

                            closeAdminModal();

                            printAdminSection(printFile);

                        }, {

                            "id": id,

                            "buyerName": $('#tbEditOrderBuyerName').val(),

                            "buyerEmail": $('#tbEditOrderBuyerEmail').val(),

                            "buyerAddress": $('#tbEditOrderBuyerAddress').val()

                        });

                    }

                    e.preventDefault();

                });

            }

        }

        // DELETING

        $('.btnDelete').click(function() {

            let id;

            if($(this).hasClass('btnDeleteMessage')) id = $(this).parents('.messageContainer').data('id');

            else id = $(this).parents('tr').data('id');

            let fileDelete = $(this).parents('.adminSection').data('delete');

            let filePrint = $(this).parents('.adminSection').data('print');

            openAreYouSureModal(function() {

                ajaxCallback(`assets/php/admin/deleting/${fileDelete}`, 'post', function() {

                    closeModal();

                    printAdminSection(filePrint);

                }, {

                    "id": id

                });

            });

        });

    }

});

// ARE YOU SURE MODAL

function openAreYouSureModal(func) {

    $html = "<div class='areYouSure'><span class='font-small'>Are you sure?</span><span class='areYouSureButtons'><button class='btnYes btnPrimary'>Yes</button><button class='btnNo btnPrimary'>No</button></span></div>";

    openModal($html);

    $('.btnNo').click(closeModal);

    $('.btnYes').click(func);

}

// ADMIN MODAL

function adminModal(content) {

    $('body').append(`<div class="adminModal"><div class="cover"><div class="adminModalContent">${content}<button class="font-medium btnCloseAdminModal"><i class="fas fa-times"></i></button></div></div></div>`);

    $('.adminModal, .adminModalContent').hide();

    $('.adminModal .cover, .btnCloseAdminModal').mousedown(closeAdminModal);

    $('.adminModalContent').mousedown(function(e) {

        e.stopPropagation();

    });

    $('.adminModal').fadeIn('fast', function() {

        $('.adminModalContent').fadeIn('fast');

    });

}

function closeAdminModal() {

    $('.adminModalContent').fadeOut('fast', function() {

        $('.adminModal').fadeOut('fast', function() {

            $('.adminModal').remove();

        });

    });

}