

VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA
INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

INTERNET TEHNOLOGIJE

DOKUMENTACIJA

Real Estate

http://www.real-estate.epizy.com/praktikum_php_sajt/index.php

Predmet: Praktikum iz web programiranja PHP

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1.UVOD

1.1 Korišćeni programski jezici i okruženja

- HTML/HTML 5
- CSS/CSS 3
- JavaScript
- JQuery
- Bootstrap 4
- Visual Studio Code
- PHP

1.2 Opis funkcionalnosti

1.2.1 Admin panel

Adminu je omogićen ažuriranje, odobravanje i brisanje svih unetih nekretnina, kao i ažuriranje svih registrovanih korisnika. Omogućen mu je uvid u sve rezervisane posete, dodeljivanje agenta određenoj poseti i uvid u sve primljene mejlove. Takođe omogućen mu je uvid u broj ulogovanih korisnika na sistemu, kao i broj procenata posećenosti stranicama u poslednja 24 časa. Može da eksportuje korisnike i agente u Excel dokument.

1.2.2 Properties

Sav sadržaj stranice je učitan dinamički putem ajax-a iz baze podataka. Na stranici postoji forma za filtriranje po državi, gradu, tipu, ceni, broju kupatila, broju spavačih soba i sortiranje po ceni i naslovu.

1.2.3 Straničenje

Straničenje se koristi na stanicu properties i na admin panelu kod prikaza svih nekretnina, za bolji prikaz usled velikog broja nekretnina, prikazuju se 3 nekretnine na stranici.

1.2.4 Contact

Na contact stranici korisnik može da pošalje poruku administratoru sajta, ako ima bilo kakve nedoumice. Neophodno je da se unesu naslov poruke, email adresa, ime, prezime kao i sama poruka.

1.2.5 Registracija i logovanje

Na sajtu postoji registracija i logovanje korisnika. Provera podataka prilikom registracije je urađena na serverskoj i klijentskoj strani, tj. realizuje se putem ajax-a. Prilikom uspešne registracije korisnik dobija ulogu korisnika, koju može da menja samo administrator. Provera podataka prilikom logovanja se vrši na serverskoj i klijentskoj strani i ako podaci nisu dobri obaveštava se korisnik gde je pogrešio prilikom logovanja. Ako je korisnik pogrešno uneo lozinku na mejl koji postoji u bazi, šalje mu se email sa 8 obaveštenjem da je neko pokušao da se uloguje na sajt sa njegovim mejlom. Ako su i email i lozinka ispravni pravi se sesija koja sadrži sve podatke o korisniku.

1.2.6 Prikaz sadržaja

Sav ključan sadržaj na sajtu se kreira dinamički, gde se u većini slučajeva koristi ajax.

1.2.7 Dinamički meni

Prilikom učitavanja stranice prikazuje se dinamiči meni, koji prikazuje odgovarajuće linkove za admina, agenta, običnog autorizovanog ili neautorizovanog korisnika, u zavisnosti od aktivnosti i stanja korisničke sesije.

1.3 Template

Template je korišćen za admin panel, ostatak sajta je napisan samostalno.

1.4 Korišćeni CSS

Tuđi css nije korišćen osim bootstrap css za organizaciju, css za slajer i css za admin panel template

```
<link href="https://unpkg.com/aos@2.3.1/dist-aos.css" rel="stylesheet">
<link rel="stylesheet" href="assets/css/bootstrap.min.css" type="text/css">
<link rel="stylesheet" href="assets/css/slick.css" type="text/css">
```

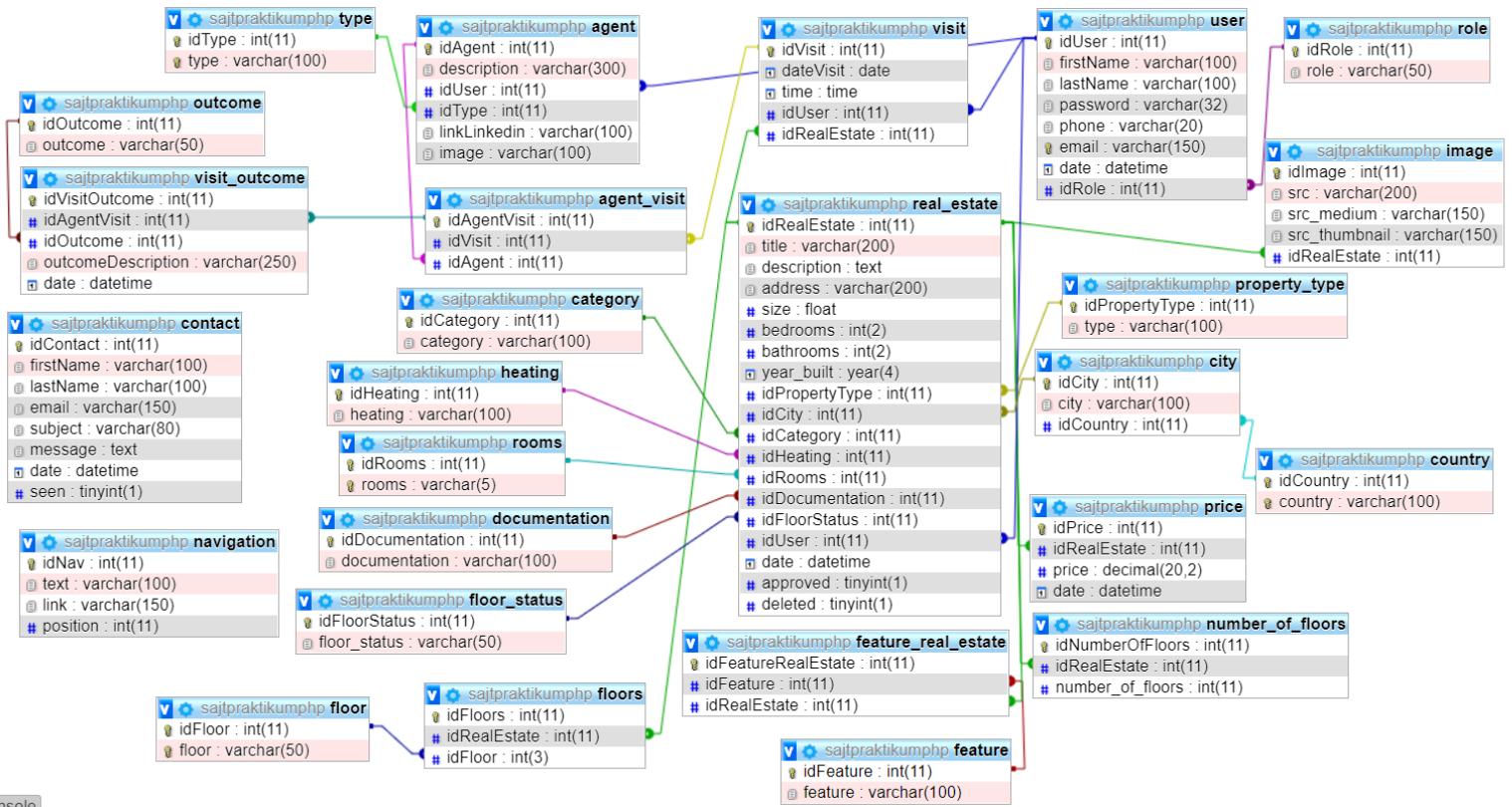
2. Organizacija

2.1. Organizaciona šema

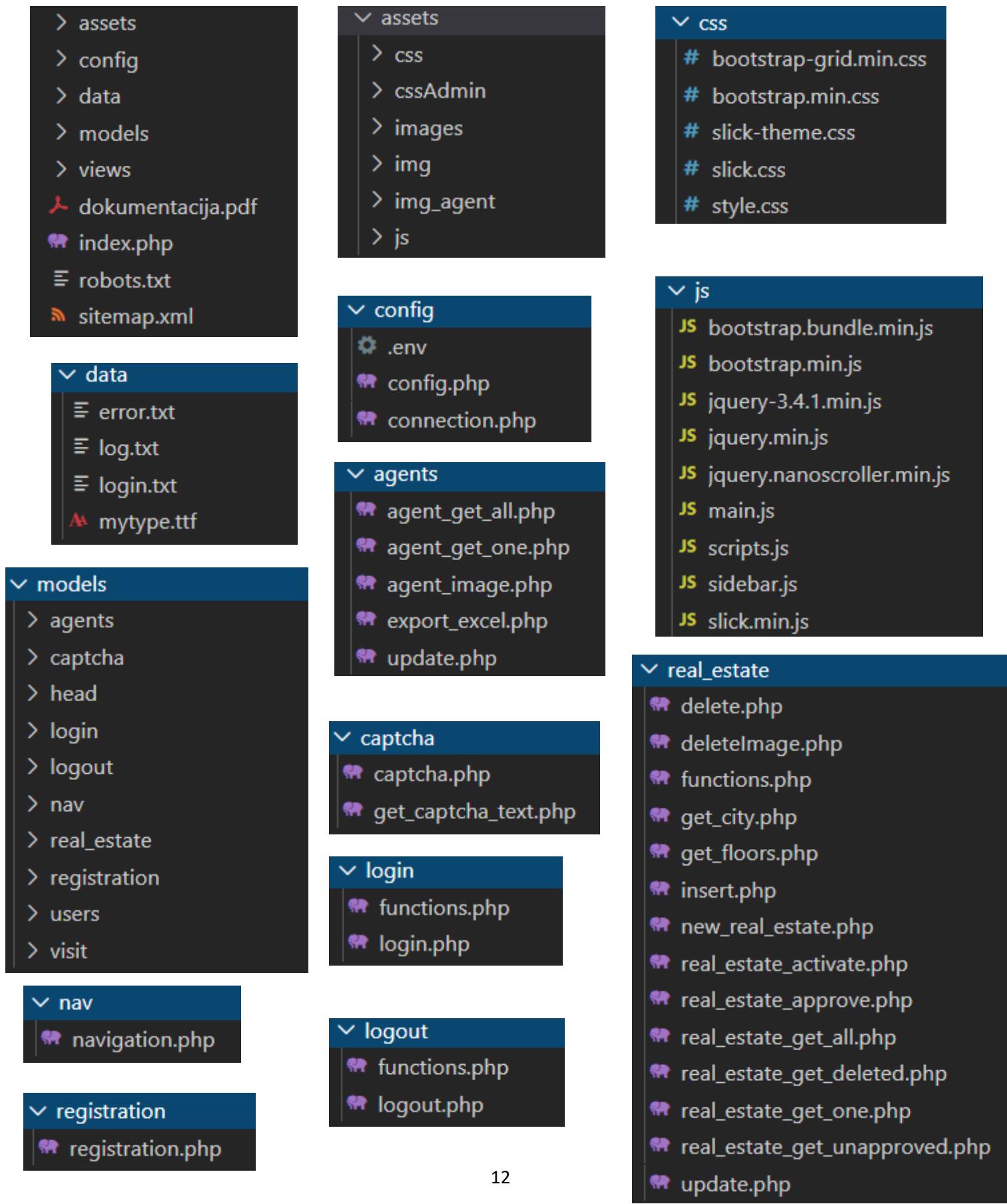
2.1.1 Šema sajta

Sa svake stranice se može pristupiti svakoj stranici (u zavisnosti od uloge korisnika), osim stranice za opis konkretnе nekretnine i forme za dodavanje nove nekretnine. Do stranice za opis nekretnine se može doći jedino klikom na naslov nekretnine koji sadrži svaka nekretnina, koji se nalazi na stranici za sve nekretnine. Do stranice za dodavanje novih nekretnina može se doći klikom na link koji se nalazi na stranici Sell, stranici za dodavanje nove nekretnine mogu pristupiti samo autorizovani korisnici. Takođe sa tih stranica se može pristupiti bilo kojoj stranici.

2.1.2 Šema baze



2.1.3 Organizacija foldera



```
✓ users
  ↗ download_word_author.php
  ↗ email_new.php
  ↗ email_readed.php
  ↗ email_update.php
  ↗ export_excel.php
  ↗ functions.php
  ↗ send_mail.php
  ↗ update.php
  ↗ user_get_all.php
  ↗ user_get_one.php
```

```
✓ visit
  ↗ agent_visit_get.php
  ↗ agent_visit_insert.php
  ↗ visit_get_all.php
  ↗ visit_outcome_insert.php
  ↗ visit.php
```

```
✓ head
  ↗ functions.php
```

```
✓ views
  > fixed
  > pages
```

```
✓ fixed
  ↗ footer.php
  ↗ head.php
  ↗ header.php
```

```
✓ admin
  ↗ adminPanel.php
```

```
✓ errors
  ↗ 403.php
  ↗ 404.php
```

```
✓ pages
  > admin
  > errors
  ↗ author.php
  ↗ contact.php
  ↗ editProperty.php
  ↗ form.php
  ↗ home.php
  ↗ properties.php
  ↗ property.php
  ↗ register.php
  ↗ sell.php
  ↗ userProperty.php
```

2.1.4 Organizaciona šema linkova

ErrorDocument 404 http://www.real-estate.epizy.com/praktikum_php_sajt/index.php?page=404

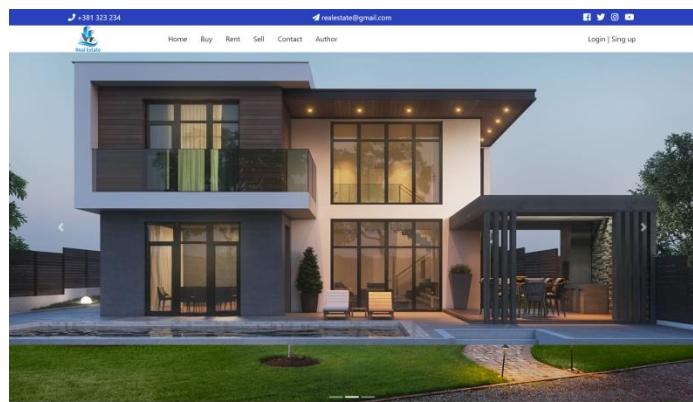
ErrorDocument 403 http://www.realestate.epizy.com/praktikum_php_sajt/index.php?page=403

2.2. Mapa sajta

```
<?xml version="1.0" encoding="utf-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <url>
        <loc>http://www.real-estate.epizy.com/praktikum_php_sajt/index.php</loc>
        <lastmod>2020-6-10</lastmod>
        <changefreq>weekly</changefreq>
        <priority>1</priority>
    </url>
</urlset>
```

2.3. Stranice

2.3.1 Home



New listings

Bed: 2 Bath: 1 Area: 85 m ² Address: Jurija Gagarina, Belgrade, 1	Bed: 2 Bath: 1 Area: 86 m ² Address: Bulevar kralja Aleksandra, 1	Bed: 2 Bath: 1 Area: 98 m ² Address: Cura Dulana, Belgrade, 1	Bed: 3 Bath: 4 Area: 535 m ² Address: Bulevar Oslobođenja, Bel



Our real estate agents

Marko Markovic
Selling Agent

Lorem ipsum dolor sit amet, aliquia. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Nenad Jovanovic
Buying Agent

Lorem ipsum dolor sit amet, aliquia. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Jovan Stankovic
Buying Agent

Lorem ipsum dolor sit amet, aliquia. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Find your new home

Choose your property type, size, structure, part of the city that you like the best and set up your budget. Use filters for advanced search and find the properties that meet your criteria.

Schedule a viewing when it suits you the best. Plan your time as you wish. Our agents will not be present at the viewings, as we want you to meet the property owner directly. Agents will lead the negotiation process and contact you as soon as you're done with the viewing.

Online agents will lead the negotiations process and be there for you to answer all additional questions and help you conclude the contract. They are available via email or phone.

We are the leaders in sell and rent houses.

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudan explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed doltorem ipsum quia dolor sit amet, consecetur adipisci velit.

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudan explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed doltorem ipsum quia dolor sit amet, consecetur, adipisci velit.



Our Partners



QUICK LINKS

- [Home](#)
- [Buy](#)
- [Rent](#)
- [Sell](#)
- [Contact](#)
- [Author](#)

MENU

- [Home](#)
- [Buy](#)
- [Rent](#)
- [Sell](#)
- [Contact](#)
- [Author](#)

CONTACT

New York, 228 Park Avenue
(+04) 721 369 069
realestate@gmail.com

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Na ovoj stranici je dinamički ispisana navigacija i klikom na login prikazuje se popup za logovanje kao i na svim ostalim stranicama. Na ovoj stranici se još nalazi dinamički ispis novih nekretnina i ispis agenata.

2.3.2 Properties

+381 323 234

realestate@gmail.com

Real Estate

Home Buy Rent Sell Contact Author

Login | Sign up

Search properties for sell

Property type Country City

Sort Price Size

Choose Min Max Min Max

Bedrooms Bathrooms

Any Any

Search

 House for Sale in Belgrade
Belgrade, Bulevar Oslobođenja, Serbia
250,000 €
The interior of the house is focused around a large central hallway serving as the main avenue of traffic and entrance area to the adjacent rooms. The hallway flows into a large, wide staircase that provides the main means of egress.
535m² 3 Bedrooms 4 Bathrooms

 House for Sale in Zemun
Belgrade, Prvomajska, Serbia
80,000 €
The interior of the house is focused around a large central hallway serving as the main avenue of traffic and entrance area to the adjacent rooms. The hallway flows into a large, wide staircase that provides the main means of egress.
54m² 1 Bedrooms 1 Bathrooms

 House for Sale Slavija
Belgrade, Deligradska, Serbia
250,000 €
The interior of the house is focused around a large central hallway serving as the main avenue of traffic and entrance area to the adjacent rooms. The hallway flows into a large, wide staircase that provides the main means of egress.
1650m² 3 Bedrooms 3 Bathrooms

1 2

QUICK LINKS

Home Buy Rent Sell Contact Author

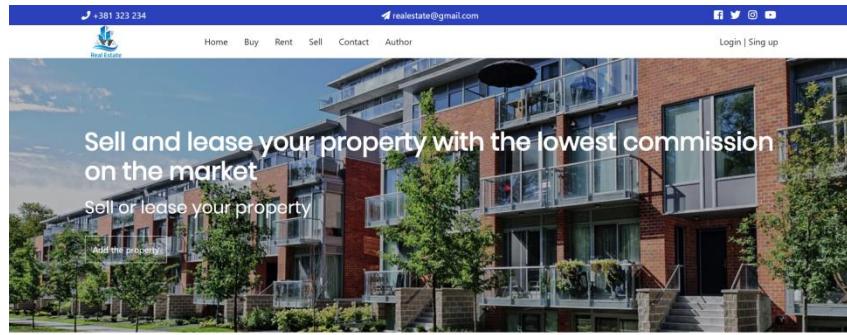
CONTACT

New York, 228 Park Avenue
(+04) 721 369 069
realestate@gmail.com

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Na ovoj stranici se nalazi prikaz nekretnina zavisno od klika na link buy ili rent prikazuju se nekretnine za prodaju ili izdavanje. Na ovoj stranici se nalazi forma za filtriranje i sortiranje nekretnina, kao i paginacija.

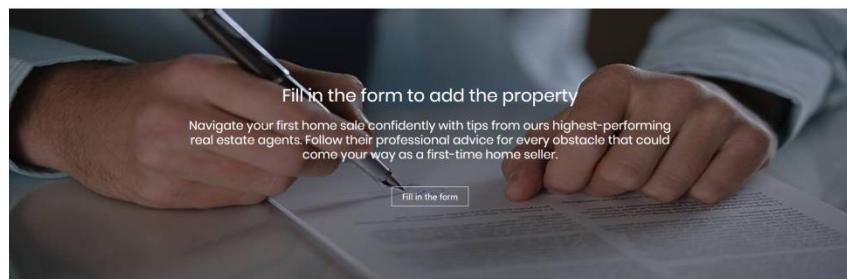
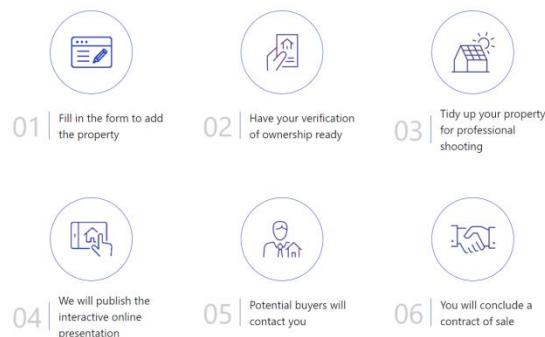
2.3.3 Sell



We will match you with genuinely interested buyers

With our advanced property presentation, online agents' support, and our entire professional team at your service, you can sell your property on the spot, with the lowest commission on the market. After you fill in the form to add the property, our team will contact you and record every detail of your apartment, house or an office space. In just 24h, we will make an interactive online presentation, which will offer a clear insight into the property. We will be there for you from the very beginning to the end, from photo shoots all the way to signing the contracts.

The innovative system of property listings



This is why you should sell your property with Real Estate



Professional team

We can give you expert property evaluation, help you determine the deadlines for the property handing over, advise you on an appropriate investment, and offer you support throughout the realization of legal and administrative processes. And for all this, we are available all day.



Lowest commission on the market

We improved the search and changed the way you schedule property viewings. We increased the availability by transferring the agents from the field to our offices. We completed the most important task by setting up an advanced online presentation. By switching to the online model, we were able to reduce our costs and offer the lowest commission on the market.



We value your time

Since users know in advance how your property looks like, they can contact us if they are really interested in buying. As you don't have to meet with agent anymore, you can plan the viewing when it suits you best. Your agent is available throughout the day and you will communicate over the phone or electronically.



Improved communication

Viewings without the agent present at the property are now a standard. This way, you and the buyer already know how your property looks like, so the viewing is actually an opportunity for you to get to know each other and build mutual trust. Both you and the buyers will have an online agent available for any additional questions.



Na ovoj stranici se nalazi link koji vodi na stranicu za dodavanje nove nekretnine kojoj mogu pristupiti samo autorizovani korisnici.

2.3.3 Form

+381 323 234
realestate@gmail.com
[Facebook](#) [Twitter](#) [Instagram](#) [YouTube](#)

[Home](#)
[Buy](#)
[Rent](#)
[Sell](#)
[Contact](#)
[Author](#)

SUBMIT PROPERTY

Property Description
This description will appear first in page. Keeping it as a brief overview makes it easier to read.

Title (*)

Description (*)

Property Price
Adding a price will make it easier for users to find your property in search results.

Price (*)

Select Property Type
Selecting a Property Type will make it easier for users to find your property in search results.

Property Type (*)

-

Select Category
Selecting a Category will make it easier for users to find your property in search results.

Category (*)

-

Listing Media
You can select multiple images to upload at one time.

Images (*)

Choose Files
No file chosen

Address

Country

-

City

-

Address

Listing Details
Add a little more info about your property.

House size in m² (*only numbers)

Rooms (*only numbers)

Bedrooms (*only numbers)

Bathrooms (*only numbers)

Year Built (*numeric)

Heating

-

Registration

-

Floors

-

Amenities and Features
Select what features and amenities apply for your property.

pool
 garage

pantry
 intercom

balcony
 basement

storage
 phone

back yard
 internet

QUICK LINKS

MENU

- [Home](#)
- [Buy](#)
- [Rent](#)
- [Sell](#)
- [Contact](#)
- [Author](#)

CONTACT

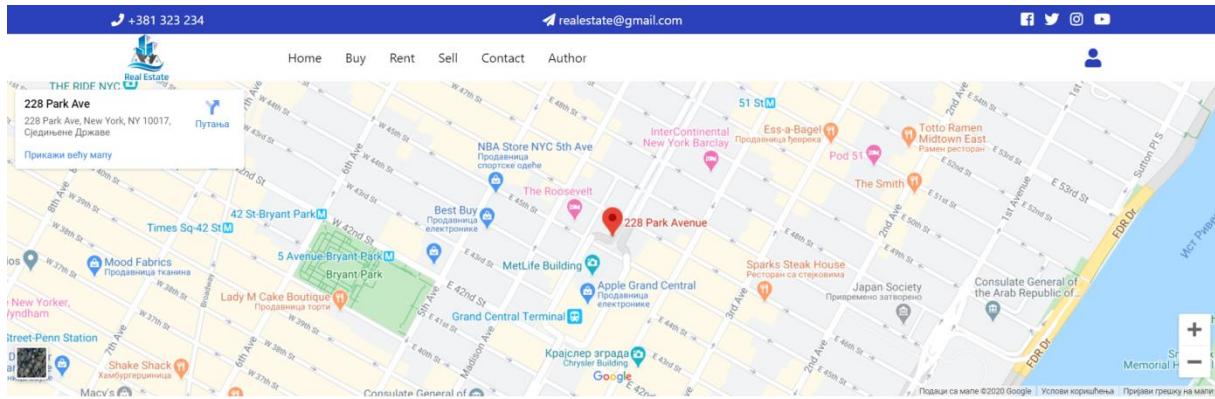
Location: New York, 228 Park Avenue
 Phone: (+04) 721 369 069
 Email: realestate@gmail.com

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Na ovoj stranici se nalazi forma za dodavanje novih nekretnina provera podataka je odrađena na klijentskoj i serverskoj strani.

2.3.4 Contact



GET IN TOUCH

First name <input type="text" value="Enter First name"/>	Last name <input type="text" value="Enter Last name"/>
Email <input type="text" value="Enter Email"/>	
Subject <input type="text" value="Enter Subject"/>	
Message <input type="text" value=""/>	
<input type="button" value="Submit"/>	

Address

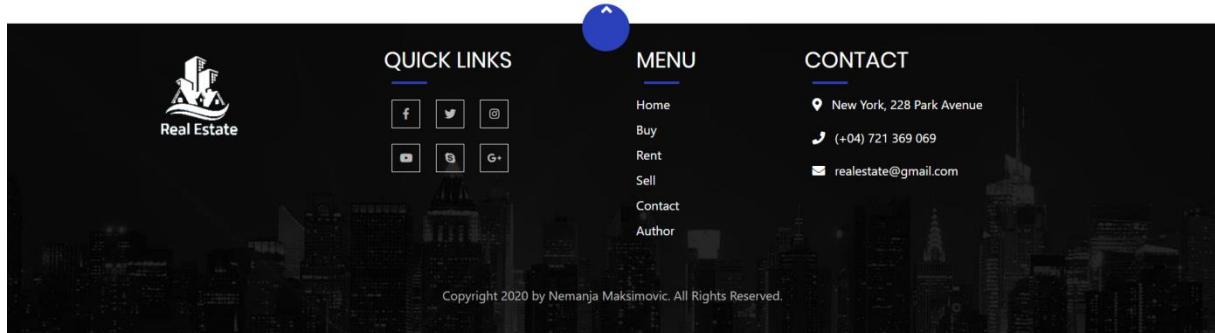
New York 11673 Collins Street West, Victoria
800002, United State.

Phone

For sale (+40) 74 0920 2288
For rent (+40) 74 0990 3311

Email

realestate@gmail.com



Na ovoj stranici se nalazi kontakt forma provera podataka je odrađena na klijentskoj i serverskoj strani. Ako su podaci dobri, poruka se šalje u bazu i korisniku se prikazuje da je uspešno poslao poruku, dok mu se u suprotnom ispisuje spisak grešaka.

2.3.5 Author

The screenshot shows a website for "Real Estate". At the top, there is a blue header bar with a phone icon and the number "+381 323 234", an envelope icon and the email "realestate@gmail.com", and social media icons for Facebook, Twitter, Instagram, YouTube, and LinkedIn. Below the header is a navigation menu with links to "Home", "Buy", "Rent", "Sell", "Contact", and "Author". A user profile icon is also present.

The main content area features a large photo of a young man (Nemanja Maksimović) in a light blue shirt and white pants. To his right is a text box containing a bio:

Zovem se Nemanja Maksimović, potičem iz jednog malog sela nadomak Grocka, student sam Visoke ICT škole, završio sam srednju ekonomsku školu u Grockoj, oduvek sam se interesovao za računare i modernu tehnologiju. Na taj način sam zavoleo programiranje i sebe vidim kao budućeg web programera.

Below the bio is a blue button labeled "Word document".

At the bottom of the page is a dark footer section with a city skyline background. It contains the "Real Estate" logo, "QUICK LINKS" with social media icons, a "MENU" with links to Home, Buy, Rent, Sell, Contact, and Author, and a "CONTACT" section with address, phone number, and email. The footer also includes a copyright notice: "Copyright 2020 by Nemanja Maksimovic. All Rights Reserved."

Na ovoj stranici se nalaze podaci o autoru, slika i link za preuzimanje word dokumenta sa podacima o autoru.

2.3.6 Register

The screenshot shows the registration page of a real estate website. At the top, there is a blue header bar with the phone number '+381 323 234' and an email address 'realestate@gmail.com'. There are also social media icons for Facebook, Twitter, and YouTube, along with 'Login | Sing up' links. Below the header, the main content area has a title 'REGISTER' in bold capital letters. The registration form consists of several input fields: 'First name' (text), 'Last name' (text), 'Email' (text), 'Phone number' (text), 'Password' (text), 'Password Confirm' (text), and a 'Type the word:' field containing '1 N Y - W g z P 3' with a matching input field below it. A 'Submit' button is located to the right of the password fields. At the bottom of the page, there is a footer section with a city skyline background. It includes a logo for 'Real Estate' with a stylized building icon, 'QUICK LINKS' with social media icons for Facebook, Twitter, Email, YouTube, Instagram, and Google+, a 'MENU' with links to Home, Buy, Rent, Sell, Contact, and Author, and a 'CONTACT' section with an address ('New York, 228 Park Avenue'), a phone number ('(+04) 721 369 069'), and an email ('realestate@gmail.com'). The footer also contains a copyright notice: 'Copyright 2020 by Nemanja Maksimovic. All Rights Reserved.'

Na ovoj stranici se nalaze forma za registraciju korisnika podaci se proveravaju regularnim izrazima na klijentskoj i serverskoj strani. Na ovoj stranici se još nalazi i captcha koju korisnik mora da unese da bi se registrovao. Ako su podaci uneti dobro korisniku se ispisuje poruka i otvara se popup za logovanje, ako podaci nisu uneti pravilno ispisuju se greške.

2.3.7 Property

+381 323 234 realestate@gmail.com

Real Estate

Home Buy Rent Sell Contact Author

Apartment for rent in Belgrade
Belgrade, Jurija Gagarina, Serbia

700 €

600€

85 m² floor heating
2 1

Select date

Select time

Schedule visit

Apartment for rent Belgrade

Property info

Floor	6	Number of floors	12
Price per m ²	8€	Area	85 m ²
Number of rooms	3.5	Registration	registered
Year of construction	2018	Heating	floor heating
Number of bedrooms	2	Number of bathrooms	1

Additional features: [phone](#) [internet](#) [balcony](#) [garage](#) [intercom](#)

Description

The interior of the apartment is focused around a large central hallway serving as the main avenue of traffic and entrance area to the adjacent rooms. The hallway flows into a large, wide staircase that provides the main means of egress.

Real Estate

QUICK LINKS

Home Buy Rent Sell Contact Author

CONTACT

New York, 228 Park Avenue
(+04) 721 369 069
realestate@gmail.com

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Na ovoj stranici se prikazuju detalji određene nekretnine, postoji forma za zakazivanje obilaska nekretnine korisnik mora biti logovan, onemogućeno je zakazivanje obilaska sopstvene nekretnine. Podaci se proveravaju na klijentskoj i serverskoj strani. Uspešnim zakazivanjem korisniku se šalje mejl.

2.3.8 User Property

The screenshot shows a real estate website interface. At the top, there is a blue header bar with a phone number (+381 323 234), an email address (realestate@gmail.com), and social media icons for Facebook, Twitter, Instagram, and YouTube. A user profile icon is also present. Below the header, there is a navigation menu with links for Home, Buy, Rent, Sell, Contact, and Author. The main content area displays three property listings:

- House for Sale in Belgrade**
Belgrade, Bulevar Oslobođenja, Serbia
250,000 €
Edit icon | Delete icon
- House for Sale Slavija**
Belgrade, Deligradska, Serbia
250,000 €
Edit icon | Delete icon
- Apartment for rent in Belgrade**
Belgrade, Jurija Gagarina, Serbia
700 €
Edit icon | Delete icon

At the bottom of the page, there is a footer section with a city skyline background. It includes a logo for "Real Estate", social media quick links (Facebook, Twitter, Instagram, YouTube, LinkedIn, Google+), a menu with links for Home, Buy, Rent, Sell, Contact, and Author, and a contact section with an address (New York, 228 Park Avenue), a phone number (+04) 721 369 069, and an email address (realestate@gmail.com). The footer also contains a copyright notice: "Copyright 2020 by Nemanja Maksimovic. All Rights Reserved."

Na ovoj stranici se prikazuju nekretnine određenog ulogovanog korisnika, korisniku je omogućeno da menja i briše postavljene oglase.

2.3.9 Edit Property



EDIT PROPERTY

Property Description

This description will appear first in page. Keeping it as a brief overview makes it easier to read.

Title (*)

Apartment for rent in Belgrade

Description (*)

The interior of the apartment is focused around a large central hallway serving as the main avenue of traffic and entrance area to the adjacent rooms. The hallway flows into a large, wide staircase that provides the main means of egress.

Property Price

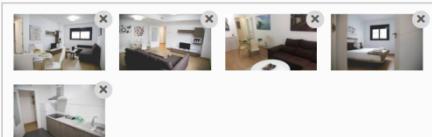
Price (*)

700

Listing Media

You can select multiple images to upload at one time.

Images (*)


 No file chosen

Address

Address

Jurija Gagarina

Listing Details

Edit info about your property.

House size in m² (*only numbers)

85

Rooms (*only numbers)

3.5

Bedrooms (*only numbers)

2

Bathrooms (*only numbers)

1

Heating

floor heating

Registration

registered

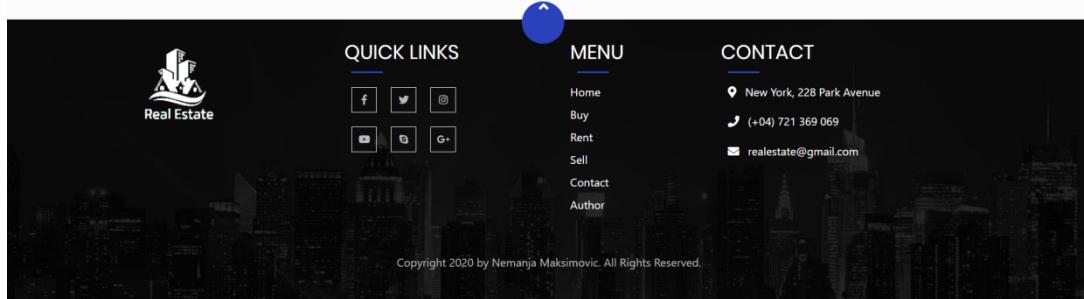
Number of floors

12

Amenities and Features

Edit what features and amenities apply for your property.

- | | | | | |
|--|--|---|---|--|
| <input type="checkbox"/> pool | <input type="checkbox"/> pantry | <input checked="" type="checkbox"/> balcony | <input type="checkbox"/> storage | <input type="checkbox"/> back yard |
| <input checked="" type="checkbox"/> garage | <input checked="" type="checkbox"/> intercom | <input type="checkbox"/> basement | <input checked="" type="checkbox"/> phone | <input checked="" type="checkbox"/> internet |



Na ovoj stranici korisniku koji je vlasnik nekretnine i administratoru je dozvoljeno da menjaju podatke o nekretnini. Podaci se proveravaju na klijentskoj i serverskoj strani usled greške ispisuje se poruka o grešci, ako su uneti dobri podaci ispisuje se poruka o uspešnoj izmeni.

2.3.10 Edit Profile

The screenshot shows the 'Edit Profile' page of a real estate application. At the top, there is a blue header bar with contact information (+381 323 234), an email address (realestate@gmail.com), and social media links (Facebook, Twitter, Instagram, YouTube). Below the header, the 'Real Estate' logo is displayed. The main content area has a title 'EDIT PROFILE'. It contains several input fields: 'First name' (Pera), 'Last name' (Perić), 'Email' (pera@gmail.com), 'Phone number' (12345678), 'New Password' (empty field), and 'Enter old password to confirm changes' (empty field). A 'Submit' button is located at the bottom of the form. At the bottom of the page is a dark footer bar with a city skyline background. It features the 'Real Estate' logo, 'QUICK LINKS' with icons for Facebook, Twitter, Email, YouTube, Instagram, and Google+, and a 'MENU' with links to Home, Buy, Rent, Sell, Contact, and Author. On the right side of the footer, there is a 'CONTACT' section with an address (New York, 228 Park Avenue), a phone number (+04) 721 369 069, and an email address (realestate@gmail.com). The footer also includes a copyright notice: 'Copyright 2020 by Nemanja Maksimovic. All Rights Reserved.'

Na ovoj stranici korisniku je omogućeno da edituje svoj profile. Podaci se proveravaju na klijentskoj i serverskoj strani usled greške ispisuje se poruka o grešci, ako su uneti dobri podaci ispisuje se poruka o uspešnoj izmeni.

2.3.11 Admin Panel

Na ovoj stranici administratoru je omogućeno više stvari.

Većina admin panela je odrđena preko ajax-a.

2.3.11.1 Home

The screenshot shows the admin panel for a Real Estate application. On the left, a dark sidebar menu lists various administrative functions: Home, User, Admins, Export Excel, Export Users, Export Agents, Email, Real Estate, and three sub-sections for Real Estates. The main content area displays a welcome message "Hello, Welcome Nemanja" and a chart titled "Access to the site over the past 24 hours as a percentage". The chart shows the following data:

Category	Percentage
Home	86.35%
Buy	0%
Rent	0%
Sell	1.61%
Form	0.4%
Contact	3.61%
Author	4.02%
Register	2.41%
Property	1.61%

Below the chart is a box labeled "Number of login users" containing the value "1".

Prilikom logovanja administratoru se otvara admin panel sa podacima o pristupu stranicama u poslednjih 24 sata i broj ulogovanih korisnika. Klikom na linkove export users i export agents exportuju se podaci o korisnicima u excel dokumentu.

2.3.11.2 Admin Users

The screenshot shows the 'Real Estate' application interface. On the left, there is a dark sidebar with a blue header bar containing the text 'Real Estate'. Below this are several menu items: 'Home', 'User', 'Agents', 'Admins', 'Export Excel', 'Export Users', 'Export Agents', 'Email', 'New emails', 'Readed emails', 'Real Estate', 'Real estates', 'New real estates', 'Deleted real estates', and 'Scheduled visits'. The 'User' item is highlighted with a blue background. The main content area has a white background. At the top, it says 'Hello, Welcome Nemanja'. Below this, there are two user profiles displayed in separate boxes. The first profile is for 'ID: 4' (Name: Pera Perić, Email: pera@gmail.com, Mobile phone: 12345678, Registered: 2020-05-21 18:14:08). The second profile is for 'ID: 13' (Name: Mika Mikic, Email: mika@gmail.com, Mobile phone: 057489453, Registered: 2020-05-22 11:53:05). Each profile box contains a blue edit icon in the top right corner.

Klikom na link users administratoru se prikazuju autorizovani korisnici, administratoru je omogućeno da edituje korisnike i njihove uloge. Klikom na linkove agents i admins se prikazuju korisnici sa tim ulogama, takođe je omogućeno editovanje tih korisnika. Klikom na ikonicu za edit otvara se forma za editovanje.

Real Estate

Home

Home

User

Users

Agents

Admins

Export Excel

Export Users

Export Agents

Email

New emails

Readed emails

Real Estate

Real estates

New real estates

Deleted real estates

Scheduled visits

Extra

Logout

Hello, Welcome Nemanja

ID: 4
Name: Pera Perić
Email: pera@gmail.com
Mobile phone: 12345678
Registered: 2020-05-21 18:14:08

First name: Pera

Last name: Perić

Email: pera@gmail.com

Phone number: 12345678

New Password:

Role: user

ID: 13
Name: Mika Mikic
Email: mika@gmail.com
Mobile phone: 0574839453
Registered: 2020-05-22 11:53:05

Submit

2.3.11.3 Admin Email

The screenshot shows the 'Real Estate' application interface. On the left, a dark sidebar menu includes 'Home', 'User' (with 'Users', 'Agents', 'Admins'), 'Export Excel' (with 'Export Users', 'Export Agents'), and 'Email' (with 'New emails', 'Readed emails', 'Real Estate', 'Real estates', 'New real estates', 'Deleted real estates'). The 'New emails' link is highlighted with a blue background. The main content area displays two email entries:

From	To	Subject	Status
Marko Markovic marko.markovic@gmail.com 2020-06-11 10:47:30		Slanje mejla Neki tekst.	✓
Jovan Jovanovic jovan.jovanovic@gmail.com 2020-06-11 10:48:15		Slanje mejla Neki tekst, neki tekst.	✓

The screenshot shows the 'Real Estate' application interface. The sidebar menu is identical to the previous one, with 'New emails' now highlighted. The main content area displays two email entries:

From	To	Subject	Status
Pera Peric pera@gmail.com 2020-05-30 20:54:59		Proba meji proba slanja mejla	
Nemanja Maksimovic nemanjamaksimovic13081999@gmail.com 2020-05-31 12:59:57		Proba Neki tekst	

Klikom na link new emails administratoru se prikazuju ne pročitani mejlovi, klikom na ikonicu označava da ih je pročitao. Klikom na link readed emails se prikazuju pročitani mejlovi.

2.3.11.4 Admin Real Estate

Administratoru je omogućeno da briše i menja nekretnine. Klikom na ikonicu za edit, odlazi na stranicu za editovanje nekretnine.

The screenshot shows the 'Real Estate' section of a web application. On the left, a dark sidebar menu lists various administrative functions: Home, User (with sub-options for Users, Agents, Admins), Export Excel, Email (with sub-options for New emails, Readed emails), Real Estate (with sub-options for Real estates, New real estates, Deleted real estates, Scheduled visits), Extra, and Logout. The 'Real estates' option is currently selected and highlighted in blue. The main content area displays three property listings:

- House for Sale in Belgrade**
Belgrade, Bulevar Oslobođenja, Serbia
250,000 €
Edit icon | Delete icon
- House for Sale in Zemun**
Belgrade, Prvomajska, Serbia
80,000 €
Edit icon | Delete icon
- House for Sale Slavija**
Belgrade, Deligradska, Serbia
250,000 €
Edit icon | Delete icon

At the bottom center of the main content area, there are two small numbered boxes: a blue box containing the number '1' and a white box containing the number '2'.

The screenshot shows a user interface for managing real estate listings. On the left is a dark sidebar with white text and icons, listing various administrative and listing-related functions. The main area displays two listings:

- House for Sale in Belgrade**
Belgrade, Bulevar Oslobođenja, Serbia
250,000 €
- Apartment for rent in Belgrade**
Belgrade, Jurija Gagarina, Serbia
700 €

Each listing includes a small thumbnail image, the location, the price, and two blue circular icons with white symbols (checkmark and trash can) for managing the listing.

Administratoru je omogućeno da briše i odobrava nove nekretnine.

The screenshot shows a user interface for managing real estate listings. On the left is a dark sidebar with white text and icons, listing various administrative and listing-related functions. The main area displays one listing:

- Apartment for sale**
Belgrade, Cara Dušana, Serbia
230,000 €

The listing includes a small thumbnail image, the location, the price, and a blue circular icon with a white upward arrow symbol for restoring the listing.

Administratoru je omogućeno ponovo da aktivira obrisane nekretnine.

The screenshot shows the 'Real Estate' application interface. On the left, a dark sidebar menu lists various administrative and user-related functions. The 'Scheduled visits' option is highlighted with a blue background. The main content area displays a listing for a house for sale. At the top right of the listing, there is a small 'for sell' tag. Below the image, the listing details are shown: 'House for Sale in Zemun', 'Belgrade, Prvomajska, Serbia', and the price '80,000 €'. To the right of the listing, there are two sections: 'Client' (with fields for Name, Mobile phone, Email, and Time of visit) and 'Assign agent' (with a dropdown menu labeled 'Choose' and a 'Assign' button). The overall layout is clean and professional, typical of a real estate management software.

Administrator ima uvid u zakazane obilaske nekretnina i može da dodeli agenta određenom obilasku. Dodelom agenta agentu se šalje mejl da je dodeljen obilasku.

2.3.12 Agent Panel

Real Estate

- Visit
- Visit Outcome**
- Extra
- Profile
- Logout

Hello, Welcome Nenad



Apartment for rent
Belgrade, Bulevar kralja Aleksandra, Serbia
650 €

Outcome

Client
 Name: Pera Perić
 Mobile phone: 12345678
 Email: pera@gmail.com
 Time of visit: 2020-07-04, 11:00:00
Description

Real Estate

- Visit
- Visit Outcome**
- Extra
- Profile**
- Logout

Hello, Welcome Nenad



Add new profile photo

First name <input style="width: 200px; border: 1px solid #ccc;" type="text" value="Nenad"/> Email <input style="width: 200px; border: 1px solid #ccc;" type="text" value="nenad.jovanovic@gmail.com"/> Linkedin <input style="width: 200px; border: 1px solid #ccc;" type="text" value="https://www.linkedin.com/"/>	Last name <input style="width: 200px; border: 1px solid #ccc;" type="text" value="Jovanović"/> Phone number <input style="width: 200px; border: 1px solid #ccc;" type="text" value="+38132343223"/> Profession <input style="width: 200px; border: 1px solid #ccc;" type="text" value="Selling Agent"/>
Biography <small> Lorem ipsum dolor sit amet, aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</small>	

Agent ima uvid u zakazane obilaske nekretnina koje su njemu dodeljene i može da unese ishod obilaska nekretnine. Klikom na link profile agent može menjati profilne podatke i sliku.

3. Kodovi

3.1 Root

3.1.1 index.php

```
<?php
require_once "config/connection.php";
session_start();
ob_start();
if((!isset($_SESSION["user"])) && $_SESSION["user"]-
>idRole!=1 && (!isset($_GET["page"])) && $_GET["page"]!="editProperty" || !isset($_GET["page"]))) ||
| isset($_GET["admin"])){
    if(!isset($_GET["admin"])){
        header("Location: ".$_SERVER["PHP_SELF"]."?admin=home");
    }
    include "views/pages/admin/adminPanel.php";
} else{
    include "views/fixed/head.php";
    include "views/fixed/header.php";

    if(isset($_GET['page'])){
        switch($_GET['page']){
            {
                case 'home': include "views/pages/home.php"; break;
                case 'properties': include "views/pages/properties.php"; break;
                case 'sell': include "views/pages/sell.php"; break;
                case 'form': include "views/pages/form.php"; break;
                case 'contact': include "views/pages/contact.php"; break;
                case 'author': include "views/pages/author.php"; break;
                case 'register': include "views/pages/register.php"; break;
                case 'favorit': include "views/pages/favorit.php"; break;
                case 'property': include "views/pages/property.php"; break;
                case 'userProperty': include "views/pages/userProperty.php"; break;
                case 'editProperty': include "views/pages/editProperty.php"; break;
                case 'editProfile': include "views/pages/editProfile.php"; break;
                case '403': include "views/pages/errors/403.php"; break;
                case '404': include "views/pages/errors/404.php"; break;
            }
        } else {
            include "views/pages/home.php";
        }
        include "views/fixed/footer.php";
    }
?>
```

3.2 Views

3.2.1 Fixed

3.2.1.1 head.php

```
<?php
if(isset($_GET["page"])){
    require_once "models/head/functions.php";
    $meta=meta_data_get($_GET["page"]);
}

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="viewport" content="width=device-width, height=device-height">
    <meta name="robots" content="index, follow"/>
    <meta name="keywords" content=<?=isset($meta['keywords'])?$meta['keywords']:'Real Estate, Ho
use, Apartment, Buy, Rent, Agents'?>/>
    <meta name="author" content="Nemanja Maksimović"/>
    <meta name="description" content=<?=isset($meta['description'])?$meta['description']:'Site n
umber 1 for real estates in Serbia! Advertisements for renting and selling apartments, houses, sh
ops, offices, business premises in Belgrade, Serbia and abroad.'?>/>
    <title><?=isset($meta['title'])?$meta['title']:'Real Estate | Homes for Sale, Purchase and Re
ntal'?> </title>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.1/css/all.css" integri
ty="sha384-
50oBUHEmvpQ+1lW4y57PTFmhCaXp0ML5d60M1M7uH2+nqUivzIebhnd0JK28anvf" crossorigin="anonymous"/>
    <link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet">
    <link rel="shortcut icon" href="assets/images/logo.ico"/>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css" type="text/css">
    <link rel="stylesheet" href="assets/css/slick.css" type="text/css">
    <link rel="stylesheet" href="assets/css/style.css" type="text/css">
</head>
<body>
```

3.2.1.2 header.php

```
<div class="container-fluid">
    <div class="row">
        <div class="col-12 d-none d-sm-flex" id="topHeader">
            <div class="col-10 flex1 mx-auto">
                <div class="col-4 text-left"><i class="fas fa-phone"></i> +381 323 234</div>
                <div class="col-4"><i class="fas fa-paper-plane"></i> realestate&#46;gmail&#46;com</div>
                <div class="col-4 text-right">
                    <ul>
                        <li><a href="https://www.facebook.com/" target="_blank" title="Facebook"><i class="fab fa-facebook-square"></i></a></li>
                        <li><a href="https://twitter.com/explore" target="_blank" title="Twitter"><i class="fab fa-twitter"></i></a></li>
                        <li><a href="https://www.instagram.com/" target="_blank" title="Instagram"><i class="fab fa-instagram"></i></a></li>
                        <li><a href="https://www.youtube.com/" target="_blank" title="YouTube"><i class="fab fa-youtube"></i></a></li>
                    </ul>
                </div>
            </div>
        </div>
        <div class="container-fluid">
            <header class="row">
                <div class="col-lg-10 col-11 mx-auto flex">
                    <div id="logo" class="col-2">
                        <a href="index.php?page=home"></a>
                    </div>
                    <div id="header" class="col-lg-10 col-md-8 flex1">
                        <?php
                            require "models/nav/navigation.php";
                            echo top_nav();
                        ?>
                    </div>
                </div>
                <div class="col-2 d-lg-none" id="barsContainer">
                    <div id="bars">
                        <div class="bar1"></div>
                        <div class="bar2"></div>
                        <div class="bar3"></div>
                    </div>
                </div>
                <div id="header2">
                    <?=bottom_nav();?>
                </div>
            </header>
        </div>
    </div>
```

3.2.1.3 footer.php

```

<div class="container-fluid" id="footer">

    <div class="row h-100">
        <div class="col-10 mx-auto">
            <div id="goUp"><i id="effect" class="fas fa-angle-up fa-lg"></i></div>
            <div class="col-12 flex flexWrap justify-content-sm-around">
                <div class="col-lg-3 col-md-5 col-sm-5 blokFooter text-center">
                    <a href="index.html"></a>
                </div>
                <div class="col-lg-3 col-md-5 col-sm-5 blokFooter" id="soc">
                    <h3>QUICK LINKS</h3>
                    <p class="crtat2"></p>
                    <div class="flex">
                        <a href="https://www.facebook.com/" target="_blank" title="Facebook"><i class="fab fa-facebook-f"></i></a>
                        <a href="https://twitter.com/explore" target="_blank" title="Twitter"><i class="fab fa-twitter"></i></a>
                        <a href="https://www.instagram.com/" target="_blank" title="Instagram"><i class="fab fa-instagram"></i></a>
                    </div>
                    <div class="flex">
                        <a href="https://www.youtube.com/" target="_blank" title="YouTube"><i class="fab fa-youtube"></i></a>
                        <a href="https://www.skype.com/en/" target="_blank" title="Skype"><i class="fab fa-skype"></i></a>
                        <a href="https://myaccount.google.com/" target="_blank" title="Google Plus"><i class="fab fa-google-plus-g"></i></a>
                    </div>
                </div>
                <div class="col-lg-2 col-md-5 col-sm-5 blokFooter">
                    <h3>MENU</h3>
                    <p class="crtat2"></p>
                    <?= footer_nav();?>
                </div>
                <div class="col-lg-4 col-md-5 col-sm-5 blokFooter">
                    <h3>CONTACT</h3>
                    <p class="crtat2"></p>
                    <p><i class="fas fa-map-marker-alt mr-2"></i> New York, 228 Park Avenue</p>
                    <p><i class="fas fa-phone mr-2"></i> (+04) 721 369 069</p>
                    <p><i class="fas fa-envelope mr-2"></i> realestate&#64;gmail&#46;com</p>
                </div>
            </div>
        </div>
    </div>
    <div id="copyright" class="col-12 flex2 p-4 text-center">Copyright 2020 by Nemanja Maksimovic. All Rights Reserved.</div>
</div>
</div>
<script src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>
<script src="assets/js/jquery-3.4.1.min.js" type="text/javascript"></script>
<script src="assets/js/slick.min.js" type="text/javascript"></script>
<script src="assets/js/bootstrap.bundle.min.js" type="text/javascript"></script>
<script src="assets/js/main.js" type="text/javascript"></script>
</body>
</html>

```

3.2.2 Pages

3.2.2.1 author.php

```
<div class="container">
    <div class="row">
        <div class="col-lg-6 col-md-6 mt-5">
            
        </div>
        <div class="col-lg-6 col-md-6 my-auto mt-4 mr-auto p-5 align-text-middle">
            <p>Zovem se Nemanja Maksimović, potičem iz jednog malog sela nadomak Grocke, student sam Visoke ICT škole, završio sam srednju ekonomsku školu u Grockoj, oduvek sam se interesovao za računare i modernu tehnologiju. Na taj način sam zavoleo programiranje i sebe vidim kao budućeg web programera.</p>
            <div class="col-12 mt-4 flex flexWrap">
                <a href="models/users/download_word_author.php" class="posalji m-2">Word document</a>
            </div>
        </div>
    </div>
</div>
```

3.2.2.2 contact.php

```
<div class="container-fluid" id="mapa">
    <iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3022.3498309090396!2d-73.97839728515818!3d40.754329842962775!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x89c258fdf71d54cd%3A0x824fb82f415fb12f!2zMjI4IFBhcmsgQXZ1LCBOZXcgW9yaywgTlkgMTAwMTcsINCh0ZjQtdC00LjRmtC10L3QtSDQ1NGA0LbQsNCy8LU!5e0!3m2!1ssrl2srs!4v1587665573108!5m2!1ssrl2srs" frameborder="0"></iframe>
</div>
<div class="container">
    <div class="row flex" id="contact">
        <div class="col-md-8 col-11 flexWrap">
            <h2>GET IN TOUCH</h2>
            <p class="crtat2"></p>
            <form id="contactForm" class="flex">
                <div class="col-md-5 col-11 mr-auto">
                    <label for="firstNameContact">First name</label>
                    <input type="text" placeholder="Enter First name" id="firstName">
                </div>
                <div class="col-md-5 col-11 mr-auto">
                    <label for="lastNameContact">Last name</label>
                    <input type="text" placeholder="Enter Last name" id="lastName">
                </div>
                <div class="col-md-11 col-11 mr-auto">
                    <label for="email">Email</label>
                    <input type="text" placeholder="Enter Email" id="email">
                </div>
                <div class="col-md-11 col-11 mr-auto">
```

```

        <label for="subject">Subject</label>
        <input type="text" placeholder="Enter Subject" id="subject">
    </div>
    <div class="col-md-11 col-11 mr-auto">
        <label for="message">Message</label>
        <textarea name="message" id="message" cols="30" rows="5"></textarea>
    </div>
    <div class="col-12">
        <button type="button" class="posalji" id="mail">Submit</button>
    </div>
    <div id="contactErrors"></div>
</form>
</div>
<div class="col-md-4 col-11 flexWrap flex" id="contactInfo">
    <div>
        <h2>Address</h2>
        <p>New York 11673 Collins Street West, Victoria 800002, United State.</p>
    </div>
    <div>
        <h2>Phone</h2>
        <p>For sale (+40) 74 0920 2288</p>
        <p>For rent (+40) 74 0990 3311</p>
    </div>
    <div>
        <h2>Email</h2>
        <p>realestate&#64;gmail&#46;com</p>
    </div>
</div>
</div>
</div>

```

3.2.2.3 editProperty.php

```

<?php
if(!isset($_SESSION['user']) || !isset($_GET["id"])){
    header("Location: index.php?page=403");
}
$id=$_GET["id"];
require_once "models/real_estate/functions.php";
require_once "models/real_estate/real_estate_get_one.php";
$real_estate=get_real_estate($id);
if($_SESSION["user"]->idRole!=2){
    if($real_estate->idUser!=$_SESSION["user"]->idUser){
        header("Location: 403.php");
    }
    $idUser=$_SESSION["user"]->idUser;
} else{
    $idUser=$real_estate->idUser;
}
$price_real_estate=get_price($id);
$images_real_estate=get_images_real_estate($id);
$features_real_estate=get_features_real_estate($id);

?>
<div class="container-fluid" id="formContainer">
    <div class="row">
        <div class="col-10 mx-auto formBlock flex2">

```

```

<h1>EDIT PROPERTY</h1>
<p class="crtat2"></p>
</div>
<form enctype="multipart/form-data">
    <input type="hidden" name="user" id="user" value="<?=$idUser?>">
    <input type="hidden" name="id" id="id" value="<?=$_GET["id"]?>">
    <input type="hidden" name="property_type" id="property_type" value="<?=$real_estate->idPropertyType?>">
    <div class="col-10 mx-auto formBlock flex">
        <div class="col-lg-4 col-md-12">
            <h5>Property Description</h5>
            <p>This description will appear first in page. Keeping it as a brief overview makes it easier to read.</p>
        </div>
        <div class="col-lg-8 col-md-12 flex3 formInputs">
            <label for="title">Title (*)</label>
            <input type="text" name="title" id="title" value="<?=$real_estate->title?>">
            <label for="description">Description (*)</label>
            <textarea name="description" id="description" cols="30" rows="10"><?=$real_estate->description?></textarea>
        </div>
    </div>
    <div class="col-10 mx-auto formBlock flex">
        <div class="col-lg-4 col-md-12">
            <h5>Property Price</h5>
        </div>
        <div class="col-lg-8 col-md-12 flex3 formInputs">
            <label for="price">Price (*)</label>
            <input type="text" name="price" id="price" value="<?=preg_replace("/", "/", "", $price_real_estate[0])?>">
        </div>
    </div>
    <div class="col-10 mx-auto formBlock flex">
        <div class="col-lg-4 col-md-12">
            <h5>Listing Media</h5>
            <p>You can select multiple images to upload at one time.</p>
        </div>
        <div class="col-lg-8 col-md-12 flex3 formInputs">
            <label for="images">Images (*)</label>
            <div id="imagePreview">
                <div class="flex flexWrap">
                    <?php for($i=0; $i<count($images_real_estate); $i++):?>
                    <div class="editImage">
                        title?>">
                        <a href="#" class="deleteImage flex2" title="Delete image" data-id="<?=$images_real_estate[$i]->idImage?>"><i class="fas fa-times"></i></a>
                    </div>
                <?php endfor;?>
            </div>
            <input type="file" class="p-3" name="images[]" id="images" multiple="multiple">
            <div id="imageList"></div>
        </div>
    </div>
    <div class="col-10 mx-auto formBlock flex">
        <div class="col-lg-4 col-md-12">
            <h5>Address</h5>
        </div>

```

```

<div class="col-lg-8 col-md-12 flex listingDetails formInputs">
    <div class="col-12">
        <label for="address">Address</label>
        <input type="text" name="address" id="address" value="<?=$real_estate->address?>">
    </div>
</div>
<div class="col-10 mx-auto formBlock flex">
    <div class="col-lg-4 col-md-12">
        <h5>Listing Details</h5>
        <p>Edit info about your property.</p>
    </div>
    <div class="col-lg-8 col-md-12 flex listingDetails formInputs">
        <div class="col-md-5 col-sm-12">
            <label for="houseSize">House size in m2 (*only numbers)</label>
            <input type="text" name="houseSize" id="houseSize" value="<?=$real_estate->size?>">
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="rooms">Rooms (*only numbers)</label>
            <select name="rooms" id="rooms">
                <option value="0">-</option>
                <?php
                    $rooms=get_rooms();
                    foreach($rooms as $r):?>
                        <option value="<?=$r->idRooms?>" <?=(($real_estate->idRooms==$r->idRooms)?'selected':'<?php endforeach;?>
                            <?php endforeach;?>
                        </option>
                    </select>
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="bedrooms">Bedrooms (*only numbers)</label>
            <input type="text" name="bedrooms" id="bedrooms" value="<?=$real_estate->bedrooms?>">
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="bathrooms">Bathrooms (*only numbers)</label>
            <input type="text" name="bathrooms" id="bathrooms" value="<?=$real_estate->bathrooms?>">
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="heating">Heating</label>
            <select name="heating" id="heating">
                <option value="0">-</option>
                <?php
                    $heating=get_heating();
                    foreach($heating as $h):?>
                        <option value="<?=$h->idHeating?>" <?=(($real_estate->idHeating==$h->idHeating)?'selected':'<?php endforeach;?>
                            <?php endforeach;?>
                        </option>
                    </select>
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="documentation">Registration</label>
            <select name="documentation" id="documentation">
                <option value="0">-</option>
                <?php
                    $documentation=get_documentation();
                    foreach($documentation as $d):?>

```

```

<option value="<?=$d->idDocumentation?>" <?=(($real_estate-
>idDocumentation==$d->idDocumentation)? "selected='selected'" :true?>><?=$d-
>documentation?></option>
        <?php endforeach;?>
    </select>
</div>
<?php if($real_estate->idPropertyType==2):?>
    <div class="col-md-5 col-sm-12">
        <label for="floor_status">Floors</label>
        <select name="floor_status" id="floor_status">
            <option value="0">-</option>
            <?php
                $floor_status=get_floor_status();
                foreach($floor_status as $fs):?>
                    <option value="<?=$fs->idFloorStatus?>" <?=(($real_estate-
>idFloorStatus==$fs->idFloorStatus)? "selected='selected'" :true?>><?=$fs->floor_status?></option>
            <?php endforeach;?>
        </select>
    </div>
<?php endif;?>
<?php if($real_estate->idFloorStatus!=1):?>
    <div class="col-md-5 col-sm-12">
        <div class="col-12">
            <label for="number_of_floors">Number of floors</label>
            <input type="text" name="number_of_floors" id="number_of_floors"
value="<?=get_number_of_floors($id)?>">
        </div>
    </div>
<?php endif;?>
</div>
<div class="col-10 mx-auto formBlock flex">
    <div class="col-lg-4 col-md-12">
        <h5>Amenities and Features</h5>
        <p>Edit what features and amenities apply for your property.</p>
    </div>
    <div class="col-lg-8 col-md-12 flex features formInputs">
        <?php
            $features=get_features();
            foreach($features as $f):?>
                <span><input type="checkbox" name="features[]" class="feature" value="<?=
$f->idFeature?>" <?=(in_array($f-
>feature, $features_real_estate))?"checked='checked'" :true?>><label><?=$f-
>feature?></label></span>
        <?php endforeach;?>
    </div>
</div>
<div class="col-10 mx-auto p-5 flex2">
    <button class="posalji" type="button" value="submit" id="editProperty" name="subm
it">Edit property</button>
</div>
</form>
<div class="col-12" id="editPropertyErrors"></div>
</div>
</div>

```

3.2.2.4 form.php

```

<?php
if(!isset($_SESSION['user'])){
    header("Location: index.php?page=403");
}
require_once "models/real_estate/functions.php";

?>
<div class="container-fluid" id="formContainer">
    <div class="row">
        <div class="col-10 mx-auto formBlock flex2">
            <h1>SUBMIT PROPERTY</h1>
            <p class="crtal2"></p>
        </div>
        <form enctype="multipart/form-data">
            <input type="hidden" name="user" id="user" value="<?= $_SESSION['user']->idUser?>">
            <div class="col-10 mx-auto formBlock flex">
                <div class="col-lg-4 col-md-12">
                    <h5>Property Description</h5>
                    <p>This description will appear first in page. Keeping it as a brief overview makes it easier to read.</p>
                </div>
                <div class="col-lg-8 col-md-12 flex3 formInputs">
                    <label for="title">Title (*)</label>
                    <input type="text" name="title" id="title">
                    <label for="description">Description (*)</label>
                    <textarea name="description" id="description" cols="30" rows="10"></textarea>
                </div>
            </div>
            <div class="col-10 mx-auto formBlock flex">
                <div class="col-lg-4 col-md-12">
                    <h5>Property Price</h5>
                    <p>Adding a price will make it easier for users to find your property in search results.</p>
                </div>
                <div class="col-lg-8 col-md-12 flex3 formInputs">
                    <label for="title">Price (*)</label>
                    <input type="text" name="price" id="price">
                </div>
            </div>
            <div class="col-10 mx-auto formBlock flex">
                <div class="col-lg-4 col-md-12">
                    <h5>Select Property Type</h5>
                    <p>Selecting a Property Type will make it easier for users to find you property in search results.</p>
                </div>
                <div class="col-lg-8 col-md-12 flex3 formInputs">
                    <label for="property_type">Property Type (*)</label>
                    <select name="property_type" id="property_type">
                        <option value="0">-</option>
                        <?php
                            $property_type = get_property_type();
                            foreach($property_type as $pt):?>
                                <option value="<?=$pt->idPropertyType?>"><?=$pt->type?></option>
                            <?php endforeach;?>
                    </select>
                </div>
            </div>
            <div class="col-10 mx-auto formBlock flex">
                <div class="col-lg-4 col-md-12">
                    <h5>Select Category</h5>

```

```

        <p>Selecting a Category will make it easier for users to find you property in
search results.</p>
    </div>
    <div class="col-lg-8 col-md-12 flex3 formInputs">
        <label for="category">Category (*)</label>
        <select name="category" id="category">
            <option value="0">-</option>
            <?php
                $category=get_category();
                foreach($category as $c):?>
                    <option value="=$c-&gt;idCategory?&gt;"&gt;&lt;?=$c-&gt;category?&gt;&lt;/option&gt;
            &lt;?php endforeach;?&gt;
        &lt;/select&gt;
    &lt;/div&gt;
&lt;/div&gt;
&lt;div class="col-10 mx-auto formBlock flex"&gt;
    &lt;div class="col-lg-4 col-md-12"&gt;
        &lt;h5&gt;Listing Media&lt;/h5&gt;
        &lt;p&gt;You can select multiple images to upload at one time.&lt;/p&gt;
    &lt;/div&gt;
    &lt;div class="col-lg-8 col-md-12 flex3 formInputs"&gt;
        &lt;label for="images"&gt;Images (*)&lt;/label&gt;
        &lt;div id="imagePreview"&gt;
            &lt;input type="file" class="p-3" name="images[]" id="images" multiple="multiple"&gt;
            &lt;div id="imageList"&gt;&lt;/div&gt;
        &lt;/div&gt;
    &lt;/div&gt;
&lt;/div&gt;
&lt;div class="col-10 mx-auto formBlock flex"&gt;
    &lt;div class="col-lg-4 col-md-12"&gt;
        &lt;h5&gt;Address&lt;/h5&gt;
    &lt;/div&gt;
    &lt;div class="col-lg-8 col-md-12 flex listingDetails formInputs"&gt;
        &lt;div class="col-md-5 col-sm-12"&gt;
            &lt;div class="flex3"&gt;
                &lt;label for="country"&gt;Country&lt;/label&gt;
                &lt;select name="country" id="country"&gt;
                    &lt;option value="0"&gt;-&lt;/option&gt;
                    &lt;?php
                        $country=get_country();
                        foreach($country as $c):?&gt;
                            &lt;option value="<?=$c-&gt;idCountry?&gt;"&gt;&lt;?=$c-&gt;country?&gt;&lt;/option&gt;
                    &lt;?php endforeach;?&gt;
                &lt;/select&gt;
            &lt;/div&gt;
        &lt;/div&gt;
        &lt;div class="col-md-5 col-sm-12"&gt;
            &lt;div class="flex3"&gt;
                &lt;label for="city"&gt;City&lt;/label&gt;
                &lt;select name="city" id="city"&gt;
                    &lt;option value="0"&gt;-&lt;/option&gt;
                &lt;/select&gt;
            &lt;/div&gt;
        &lt;/div&gt;
        &lt;div class="col-12"&gt;
            &lt;label for="address"&gt;Address&lt;/label&gt;
            &lt;input type="text" name="address" id="address"&gt;
        &lt;/div&gt;
    &lt;/div&gt;
</pre

```

```

</div>
<div class="col-10 mx-auto formBlock flex">
    <div class="col-lg-4 col-md-12">
        <h5>Listing Details</h5>
        <p>Add a little more info about your property.</p>
    </div>
    <div class="col-lg-8 col-md-12 flex listingDetails formInputs">
        <div class="col-md-5 col-sm-12">
            <label for="houseSize">House size in m2 (*only numbers)</label>
            <input type="text" name="houseSize" id="houseSize">
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="rooms">Rooms (*only numbers)</label>
            <select name="rooms" id="rooms">
                <option value="0">-</option>
                <?php
                $rooms=get_rooms();
                foreach($rooms as $r):?>
                    <option value="<?=$r->idRooms?>"><?=$r->rooms?></option>
                <?php endforeach;?>
            </select>
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="bedrooms">Bedrooms (*only numbers)</label>
            <input type="text" name="bedrooms" id="bedrooms">
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="bathrooms">Bathrooms (*only numbers)</label>
            <input type="text" name="bathrooms" id="bathrooms">
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="built">Year Built (*numeric)</label>
            <input type="text" name="built" id="built">
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="heating">Heating</label>
            <select name="heating" id="heating">
                <option value="0">-</option>
                <?php
                $heating=get_heating();
                foreach($heating as $h):?>
                    <option value="<?=$h->idHeating?>"><?=$h->heating?></option>
                <?php endforeach;?>
            </select>
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="documentation">Registration</label>
            <select name="documentation" id="documentation">
                <option value="0">-</option>
                <?php
                $documentation=get_documentation();
                foreach($documentation as $d):?>
                    <option value="<?=$d->idDocumentation?>"><?=$d->
                >documentation?></option>
                <?php endforeach;?>
            </select>
        </div>
        <div class="col-md-5 col-sm-12">
            <label for="floor_status">Floors</label>
            <select name="floor_status" id="floor_status">

```

```

        <option value="0">-</option>
        <?php
        $floor_status=get_floor_status();
        foreach($floor_status as $fs):?>
            <option value="<?=$fs->idFloorStatus?>"><?=$fs-
>floor_status?></option>
        <?php endforeach;?>
    </select>
</div>
<div class="col-12 flex1" id="floors">

    </div>
</div>
</div>
<div class="col-10 mx-auto formBlock flex">
    <div class="col-lg-4 col-md-12">
        <h5>Amenities and Features</h5>
        <p>Select what features and amenities apply for your property.</p>
    </div>
    <div class="col-lg-8 col-md-12 flex features formInputs">
        <?php
        $features=get_features();
        foreach($features as $f):?>
            <span><input type="checkbox" name="features[]" class="feature" value="<?=
$f->idFeature??"><label><?=$f->feature?></label></span>
        <?php endforeach;?>
    </div>
</div>
<div class="col-10 mx-auto p-5 flex2">
    <button class="posalji" type="button" value="submit" id="addProperty" name="submi
t">Submit property</button>
</div>
</form>
<div class="col-12" id="addErrorErrors"></div>
</div>
</div>

```

3.2.2.5 home.php

```

<div class="container-fluid">
    <div class="row">
        <div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">
            <ol class="carousel-indicators">
                <li data-target="#carouselExampleIndicators" data-slide-
to="0" class="active"></li>
                <li data-target="#carouselExampleIndicators" data-slide-to="1"></li>
                <li data-target="#carouselExampleIndicators" data-slide-to="2"></li>
            </ol>
            <div class="carousel-inner">
                <div class="carousel-item active">
                    
                </div>
                <div class="carousel-item">
                    
                </div>
                <div class="carousel-item">
                    
                </div>
            </div>
        </div>
    </div>

```

```

        </div>
    </div>
    <a class="carousel-control-
prev" href="#carouselExampleIndicators" role="button" data-slide="prev">
        <span class="carousel-control-prev-icon" aria-hidden="true"></span>
        <span class="sr-only">Previous</span>
    </a>
    <a class="carousel-control-
next" href="#carouselExampleIndicators" role="button" data-slide="next">
        <span class="carousel-control-next-icon" aria-hidden="true"></span>
        <span class="sr-only">Next</span>
    </a>
</div>
</div>
<div class="container">
    <div class="row">
        <div class="col-12 p-2">
            <h2 class="naslov">New listings</h2>
            <p class="crtal2"></p>
        </div>
        <div id="newest" class="col-12 flex1 flexWrap">
        </div>
    </div>
</div>
<div class="container-fluid" id="sellContainer">
    <div class="row">
        <div class="col-12 flex" data-aos="fade-up" id="sell">
            <h2>How to Sell a House</h2>
            <h3>Navigate your first home sale confidently with tips from ours highest-performing real estate agents. Follow their professional advice for every obstacle that could come your way as a first-time home seller.</h3>
            <a href="index.php?page=sell">Sell Now</a>
        </div>
    </div>
</div>
<div class="container">
    <div class="row flex flexWrap" id="agenti" data-aos="fade-up">
        <div class="col-12">
            <h2 class="naslov2">Our real estate agents</h2>
        </div>
    </div>
</div>
<div class="container-fluid">
    <div class="row" id="about">
        <div class="col-lg-6 col-12">
            
        </div>
        <div class="col-lg-6 col-12 text" data-aos="fade-right">
            <h2>Find your new home</h2>
            <p>Choose your property type, size, structure, part of the city that you like the best and set up your budget. Use filters for advanced search and find the properties that meet your criteria.</p>
            <p>Schedule a viewing when it suits you the best. Plan your time as you wish. Our agents will not be present at the viewings, as we wanted you to meet the property owner directly. Agents will lead the negotiation process and contact you as soon as you're done with the viewing.</p>
            <p>Online agents will lead the negotiations process and be there for you to answer all additional questions and help you conclude the contract. They are available via email or phone.</p>
        </div>
    </div>

```

```

        </div>
    <div class="col-lg-6 col-12 text" data-aos="fade-left">
        <h2>We are the leaders in sell and rent houses.</h2>
        <p>Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dolorem que laudan explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed dolorem ipsum quia dolor sit amet, consectetur, adipisci velit.</p>
        <i>Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium dolorem que laudan explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed dolorem ipsum quia dolor sit amet, consectetur, adipisci velit.</i>
    </div>
    <div class="col-lg-6 col-12" id="imgAbout">
        
    </div>
</div>
</div>
<div id="backgroundInfo" class="container-fluid">
    <div class="row h-100">
        <div class="col-11 flex1 flexWrap mx-auto" data-aos="fade-up">
            <div class="col-md-3 col-5 flex2">
                
                <h3 class="counter" data-count="20">0</h3>
                <p class="crt2"></p>
                <p>Listings For Rent</p>
            </div>
            <div class="col-md-3 col-5 flex2">
                
                <h3 class="counter" data-count="34">0</h3>
                <p class="crt2"></p>
                <p>Listings For Sale</p>
            </div>
            <div class="col-md-3 col-5 flex2">
                
                <h3 class="counter" data-count="12">0</h3>
                <p class="crt2"></p>
                <p>Agents</p>
            </div>
            <div class="col-md-3 col-5 flex2">
                
                <h3 class="counter" data-count="153">0</h3>
                <p class="crt2"></p>
                <p>Happy Customers</p>
            </div>
        </div>
    </div>
</div>
<div class="container-fluid" id="partneri">
    <div class="row">
        <div class="col-12 text-center">
            <h2 class="mb-4">Our Partners</h2>
        </div>
        <div class="col-11 mx-auto flexWrap flex1">
            <div class="col-5 col-md-3">
                
            </div>
            <div class="col-5 col-md-3">
                
            </div>
            <div class="col-5 col-md-3">
                
            </div>
        </div>
    </div>

```

```

<div class="col-5 col-md-3">
    
</div>
</div>
</div>

```

3.2.2.6 properties.php

```

<?php
require_once "models/real_estate/functions.php";
$type=0;
if(isset($_GET["type"])){
    if($_GET["type"]=="buy"){
        $type=1;
    }else if($_GET["type"]=="rent"){
        $type=2;
    }
}
?>
<div class="container-fluid">
    <div class="row flex" id="nekretnine">
        <div class="col-md-11 col-12" id="searchForm">
            <h3 class="searchH3">Search properties for sell</h3>
            <form action="#" class="flex">
                <div class="flex3 mx-auto col-lg-4 col-10">
                    <label for="propertyType">Property type</label>
                    <select name="propertyType" id="propertyType">
                        <option value="0">-</option>
                        <?php
                            $property_type=get_property_type();
                            foreach($property_type as $pt):?>
                                <option value="<?=$pt->idPropertyType?><?=$pt->type?>"></option>
                            <?php endforeach;?>
                        </select>
                </div>
                <div class="flex3 mx-auto col-lg-4 col-10">
                    <label for="country">Country</label>
                    <select name="country" id="country">
                        <option value="0">-</option>
                        <?php
                            $country=get_country();
                            foreach($country as $c):?>
                                <option value="<?=$c->idCountry?><?=$c->country?>"></option>
                            <?php endforeach;?>
                        </select>
                </div>
                <div class="flex3 mx-auto col-lg-4 col-10">
                    <label for="city">City</label>
                    <select name="city" id="city">
                        <option value="0">-</option>

```

```

        <option value="0">Choose</option>
        <option value="1">Sort by title A-Z</option>
        <option value="2">Sort by title Z-A</option>
        <option value="3">Sort by price ascending</option>
        <option value="4">Sort by price descending</option>#
    </select>
</div>
<div class="flex3 mx-auto col-lg-4 col-10">
    <label for="price">Price</label>
    <div class="flex">
        <input type="number" name="priceMin" placeholder="Min" id="priceMin">
        <input type="number" name="priceMax" placeholder="Max" id="priceMax">
    </div>
</div>
<div class="flex3 mx-auto col-lg-4 col-10">
    <label for="size">Size</label>
    <div class="flex">
        <input type="number" name="sizeMin" placeholder="Min" id="sizeMin">
        <input type="number" name="sizeMax" placeholder="Max" id="sizeMax">
    </div>
</div>
<div class="flex3 mx-auto col-lg-4 col-10">
    <label for="bedrooms">Bedrooms</label>
    <input type="number" name="bedrooms" placeholder="Any" id="bedrooms">
</div>
<div class="flex3 mx-auto col-lg-4 col-10">
    <label for="bathrooms">Bathrooms</label>
    <input type="number" name="bathrooms" placeholder="Any" id="bathrooms">
</div>
<div class="flex3 mx-auto col-lg-4 col-10">
    <input type="hidden" name="category" id="category" value="<?=$type?>">
    <button type="button" id="submit" class="posalji search">Search</button>
</div>
</form>
</div>
</div>
<div id="nekretnine2"></div>
</div>
<div class="container-fluid" id="paginationContainer">
    <div class="row">
        <div class="col-12" id="paginacija"></div>
    </div>
</div>

```

3.2.2.7 property.php

```

<?php
if(isset($_GET["id"])){
    $id=$_GET["id"];
    require_once "models/real_estate/real_estate_get_one.php";
    $real_estate=get_real_estate($id);
} else{
    header("Location: 403.php");
}
?>
<div class="container-fluid" id="propertyContainer">
    <div class="row">

```

```

<div class="col-lg-6" >
    <div class="col-12 flex2" id="image">
        <div class=" slider slider-for">
            <?php
                $images=get_images_real_estate($id);
                foreach($images as $im): ?>
                    <div>
                        title?>" draggable="false"/>
                    </div>
                <?php endforeach;?>
            </div>
            <div class=" slider slider-nav">
                <?php foreach($images as $im): ?>
                    <div>
                        title?>" draggable="false"/>
                    </div>
                <?php endforeach;?>
            </div>
        </div>
        <p id="propertyTypeCity"><?=$real_estate->type ." for ". $real_estate-
    >category ." ". $real_estate->city?></p>
    </div>
    <div class="col-lg-6" id="propertyTitle">
        <h1 id="titleProperty" class="blue"><?=$real_estate->title?></h1>
        <h3 id="address"><?=$real_estate->city.", ". $real_estate-
    >address.", ". $real_estate->country?></h3>
    </div>
    <div id="visitContainer" class="col-10 col-sm-8 col-md-6 col-lg-4">
        <div id="visit">
            <div class="flex1">
                <span><h2 class="blue"><?=get_price($id)[0]?> &euro;</h2> <h3 class="oldPrice
    "><?= !empty(get_price($id)[1])? get_price($id)[1]. "&euro;" : ""?></h3></span> <i class="far fa-
    heart fa-lg mx-3"></i>
            </div>
            <div id="visitFeatures" class="flex flexWrap">
                <span class="flex"><i class="fas fa-pencil-
    ruler blue"></i> <p><?=$real_estate->size?> m<sup>2</sup></p></span>
                <span class="flex"><i class="fas fa-thermometer-three-
    quarters blue"></i> <p><?=$real_estate->heat?></p></span>
                <span class="flex"><i class="fas fa-bed blue"></i> <p><?=$real_estate-
    >bedrooms?></p></span>
                <span class="flex"><i class="fas fa-bath blue"></i> <p><?=$real_estate-
    >bathrooms?></p></span>
            </div>
            <form class="flex2">
                <input type="text" name="date" id="date" placeholder="Select date" onfocus="(this.type='date'))"
                <input type="text" name="time" id="time" placeholder="Select time" onfocus="(this.type='time'))"
                <input type="hidden" name="property" id="property" value="<?=$real_estate-
    >idRealEstate?>">
                <input type="hidden" name="user" id="user" value="<?=(isset($_SESSION["user"])
    ))?$_SESSION["user"]->idUser:''?>">
                <input type="button" class="<?=(isset($_SESSION["user"])) && $_SESSION["user"]
    ->idRole==1?($_SESSION["user"]->idUser==$real_estate-
    >idUser)?'disabled':'visit':"login"?>" value="Schedule visit">
            </form>
        </div>

```

```

        </div>
    </div>
</div>
<div class="container-fluid">
    <div class="row flex3" id="property">
        <div class="col-12">
            <h3>Property info</h3>
        </div>
        <div class="col-lg-6 flex1 flexWrap" id="propertyInfo">
            <span class="flex1">
                <p class="propertyInfo">Floor</p>
                <p class="bold"><?=get_floor($id)?></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Number of floors</p>
                <p class="bold"><?=get_number_of_floors($id)?></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Price per m<sup>2</sup> </p>
                <p class="bold"><?=get_price_per_m2(get_price($id)[0],$real_estate->size)?>&euro; </p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Area </p>
                <p class="bold"><?=$real_estate->size?> m<sup>2</sup></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Number of rooms </p>
                <p class="bold"><?=get_rooms_real_estate($id)?></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Registration </p>
                <p class="bold"><?=get_documentation_real_estate($id)?></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Year of construction </p>
                <p class="bold"><?=$real_estate->year_built?></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Heating </p>
                <p class="bold"><?=get_heating_real_estate($id)?></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Number of bedrooms </p>
                <p class="bold"><?=$real_estate->bedrooms?></p>
            </span>
            <span class="flex1">
                <p class="propertyInfo">Number of bathrooms </p>
                <p class="bold"><?=$real_estate->bathrooms?></p>
            </span>
        </div>
        <div class="col-lg-6 flex flexWrap" id="featuresProperty">
            <p>Additional features:</p>
            <?php
                $feature_real_estate=get_features_real_estate($id);
                foreach($feature_real_estate as $f):?>
                    <p class="featureProperty"><?=$f?></p>
            <?php endforeach;?>
        </div>
        <div class="col-12"><h3>Description</h3></div>

```

```

        <div class="col-lg-6">
            <?=$real_estate->description?>
        </div>
    </div>
</div>

```

3.2.2.8 register.php

```

<?php
    if(isset($_SESSION["user"]) && !isset($_GET["id"])){
        header("Location: index.php?page=403");
    }
    if(isset($_GET["id"]) && isset($_SESSION["user"])){
        if($_GET["id"]!=$_SESSION["user"]->idUser){
            header("Location: index.php?page=403");
        }
        require_once "models/users/functions.php";
        $id=$_GET["id"];
        $user=user_get_one($id);
    }
?>
<div class="container-fluid" id="formRegister">
    <div class="row">
        <div class="col-10 mx-auto flex2">
            <?=(isset($user))?"<h1>EDIT PROFILE</h1>":"<h1>REGISTER</h1>"?>
            <p class="crtal2"></p>
        </div>
        <div class="col-10 mx-auto flex2">
            <form class="flex">
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="firstName">First name</label>
                    <input type="text" id="firstName" name="firstName" value="<?=(isset($user))?$user->firstName:""?>">
                </div>
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="lastName">Last name</label>
                    <input type="text" id="lastName" name="lastName" value="<?=(isset($user))?$user->lastName:""?>">
                </div>
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="email">Email</label>
                    <input type="text" id="email" name="email" value="<?=(isset($user))?$user->email:""?>">
                </div>
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="phone">Phone number</label>
                    <input type="text" id="phone" name="phone" value="<?=(isset($user))?$user->phone:""?>">
                </div>
            </?php if(isset($user)):?>
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="newPassword">New Password</label>
                    <input type="password" id="newPassword">
                </div>
            </?php if(isset($user)):?>

```

```

<input type="hidden" name="user" id="user" value="<?=$user->idUser?>">

<?php else:>

    <div class="col-md-5 col-10 mx-auto blokReg flex3">
        <label for="password">Password</label>
        <input type="password" id="password">
    </div>

    <?php endif;?>
    <div class="col-md-5 col-10 mx-auto blokReg flex3">
        <label for="passwordConfirm"><?=(isset($user))?"Enter old password to con
firm changes": "Password Confirm"?></label>
        <input type="password" id="passwordConfirm">
    </div>
    <?php if(!isset($user)):>
        <div class="col-md-5 col-10 mx-auto flex1" id="captchaContainer">
            
            <div class="captchaTextContainer col-6 blokReg flex3">
                <label for="captchaText">Type the word:</label>
                <input type="text" id="captchaText">
            </div>
        </div>
        <?php endif;?>
        <div class="col-md-5 col-10 mx-auto flex3">
            <button type="button" class="posalji" id="<?=(isset($user))?"editProfile":re
gistration"?>">Submit</button>
        </div>
    </form>
</div>
<div id="formRegisterErrors" class="col-8 mx-auto"></div>
</div>
</div>

```

3.2.2.9 sell.php

```

<div class="container-fluid" id="sellCover">
    <div class="row flex2">
        <div class="col-10 flex3" id="sellCoverText">
            <h1>Sell and lease your property with the lowest commission on the market</h1>
            <h2>Sell or lease your property</h2>
            <?php if(isset($_SESSION["user"])) && $_SESSION["user"]->idRole==1:>
                <a href="index.php?page=form" id="submitProperty">Add the property</a>
            <?php else:>
                <a href="#" class="login" id="submitProperty">Add the property</a>
            <?php endif;?>
        </div>
    </div>
</div>
<div class="container" data-aos="fade-up">
    <div class="row">
        <div class="col-12 sellText">
            <h3>We will match you with genuinely interested buyers</h3>
            <p>With our advanced property presentation, online agents' support, and our entire pr
ofessional team at your service, you can sell your property on the spot, with the lowest commissi

```

on on the market. After you fill in the form to add the property, our team will contact you and record every detail of your apartment, house or an office space. In just 24h, we will make an interactive online presentation, which will offer a clear insight into the property. We will be there for you from the very beginning to the end, from photo shoots all the way to signing the contracts.</p>
 </div>
 </div>
</div>
<div class="container" data-aos="fade-up">
 <div class="row p-5">
 <div class="col-12">
 <h3>The innovative system of property listings</h3>
 </div>
 <div class="col-12 flex flexWrap justify-content-md-between justify-content-center">
 <div class="col-lg-4 col-md-5 col-10 sellSteps">
 <div class="flex2">

 </div>
 <div class="flex">
 <p class="broj">01</p>
 <p class="crtat"></p>
 <p class="sellStepsText">Fill in the form to add the property</p>
 </div>
 </div>
 <div class="col-lg-4 col-md-5 col-10 sellSteps">
 <div class="flex2">

 </div>
 <div class="flex">
 <p class="broj">02</p>
 <p class="crtat"></p>
 <p class="sellStepsText">Have your verification of ownership ready</p>
 </div>
 </div>
 <div class="col-lg-4 col-md-5 col-10 sellSteps">
 <div class="flex2">

 </div>
 <div class="flex">
 <p class="broj">03</p>
 <p class="crtat"></p>
 <p class="sellStepsText">Tidy up your property for professional shooting</p>
 </div>
 </div>
 <div class="col-lg-4 col-md-5 col-10 sellSteps">
 <div class="flex2">

 </div>
 <div class="flex">
 <p class="broj">04</p>
 <p class="crtat"></p>
 <p class="sellStepsText">We will publish the interactive online presentation</p>
 </div>
 </div>
 <div class="col-lg-4 col-md-5 col-10 sellSteps">
 <div class="flex2">

 </div>
 <div class="flex">

```

        <p class="broj">05</p>
        <p class="crtan"></p>
        <p class="sellStepsText">Potential buyers will contact you</p>
    </div>
</div>
<div class="col-lg-4 col-md-5 col-10 sellSteps">
    <div class="flex2">
        
    </div>
    <div class="flex">
        <p class="broj">06</p>
        <p class="crtan"></p>
        <p class="sellStepsText">You will conclude a contract of sale</p>
    </div>
</div>
</div>
</div>
<div class="container-fluid" id="fillInForm">
    <div class="row">
        <div class="col-12 flex" data-aos="fade-up" id="sell">
            <h2>Fill in the form to add the property</h2>
            <h3>Navigate your first home sale confidently with tips from our highest-performing real estate agents. Follow their professional advice for every obstacle that could come your way as a first-time home seller.</h3>
            <?php if(isset($_SESSION["user"])) && $_SESSION["user"]->idRole==1):?>
                <a href="index.php?page=form">Fill in the form</a>
            <?php else:>
                <a href="#" class="login">Fill in the form</a>
            <?php endif;?>
        </div>
    </div>
</div>
<div class="container">
    <div class="row about" data-aos="fade-up">
        <div class="col-12 p-3 mb-3">
            <h2>This is why you should sell your property with Real Estate</h2>
        </div>
        <div class="col-lg-6 col-11 mx-auto flex aboutBlock">
            <div>
                
            </div>
            <div>
                <h3>Professional team</h3>
                <p>We can give you expert property evaluation, help you determine the deadlines for the property handover, advise you on an appropriate investment, and offer you support throughout the realization of legal and administrative processes. And for all this, we are available all day.</p>
            </div>
        </div>
        <div class="col-lg-6 col-11 mx-auto flex aboutBlock">
            <div>
                
            </div>
            <div>
                <h3>Lowest commission on the market</h3>
                <p>We improved the search and changed the way you schedule property viewings. We increased the availability by transferring the agents from the field to our offices. We completed</p>
            </div>
        </div>
    </div>
</div>

```

```

the most important task by setting up an advanced online presentation. By switching to the online model, we were able to reduce our costs and offer the lowest commission on the market.</p>
</div>
</div>
<div class="col-lg-6 col-11 mx-auto flex aboutBlock">
<div>
    
</div>
<div>
    <h3>We value your time</h3>
    <p>Since users know in advance how your property looks like, you can expect to meet only sincerely interested buyers. As you don't have to meet with agent anymore, you can plan the viewing when it suits you the best. Your agent is available throughout the day and you will communicate over the phone or electronically.</p>
</div>
</div>
<div class="col-lg-6 col-11 mx-auto flex aboutBlock">
<div>
    
</div>
<div>
    <h3>Improved communication</h3>
    <p>Viewings without the agent present at the property opened new possibilities for negotiation. Buyers already know how your property looks like, so the viewing is actually an opportunity for you to get to know each other and build mutual trust. Both you and the buyers will have an online agent available for any additional questions.</p>
</div>
</div>
</div>

```

3.2.2.10 userProperty.php

```

<?php
if(isset($_GET["id"])){
    $id=$_GET["id"];
    require_once "models/real_estate/functions.php";

    $real_estate=is_array(get_real_estate_user($id))?get_real_estate_user($id):false;
} else{
    header("Location: 403.php");
}
?>
<div class="container-fluid" id="userProperty">
<div class="row">

    <?php if($real_estate): foreach($real_estate as $rs):?>
        <div class="col-11 flex flexWrap nekretnina">
            <div class="col-lg-3 col-sm-8 col-10 mx-auto slika">
                title?>">
                <span class="sellRent">for <?=$rs->category?></span>
            </div>
            <div class="col-lg-7 col-10 flex tekst">
                <h3><?=$rs->title?></h3>
                <p><?=$rs->city?>, <?=$rs->address?>, <?=$rs->country?></p>
                <h4><?=$rs->price($rs->price)?> &euro;</h4>
            </div>
    <?php endforeach;?>
</div>

```

```

        <div class="col-2 flex2 editDelete">
            <a href="index.php?page=editProperty&id=<?=$rs-
>idRealEstate?>" title="Edit"><i class="fas fa-edit"></i></a>

            <a href="#" title="Delete" class="delete" data-id="<?=$rs-
>idRealEstate?>"><i class="fas fa-trash-alt"></i></a>
        </div>
    </div>
<?php endforeach; else:&?>

    <div class="col-12 flex2 noResults">
        <h1 id="noResults"><i class="fas fa-
home"></i> You do not have any active ads</h1>
    </div>

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

```

3.2.3 Admin

3.2.3.1 adminPanel.php

```

<?php
    if(!isset($_SESSION["user"]) || $_SESSION["user"]->idRole==1){
        header("Location: index.php?page=403");
    }
    require_once "models/users/functions.php";
    require_once "models/login/functions.php";
    $access=page_access_proc();
?>
<!DOCTYPE html>
<html lang="en">

    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <meta name="keywords" content="Real Estate, House, Apartment, Buy, Rent, User, Agent"/>
        <meta name="author" content="Nemanja Maksimović"/>
        <meta name="description" content="Site number 1 for real estate in Serbia! Advertisements
for renting and selling apartments, houses, shops, offices, business premises in Belgrade, Serbia
and abroad."/>

        <title>Real Estate | Admin panel</title>

        <!-- Styles -->
        <link href="https://unpkg.com/aos@2.3.1/dist-aos.css" rel="stylesheet">
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.1/css/all.css" int
egrity="sha384-
50oBUHEmvPQ+1lW4y57PTFmhCaXp0ML5d60M1M7uH2+nqUivzIebhnd0JK28anvf" crossorigin="anonymous"/>
        <link href="assets/cssAdmin/lib/font-awesome.min.css" rel="stylesheet">
        <link href="assets/cssAdmin/lib/themify-icons.css" rel="stylesheet">
        <link href="assets/cssAdmin/lib/menuBar/sidebar.css" rel="stylesheet">
        <link href="assets/cssAdmin/lib/bootstrap.min.css" rel="stylesheet">

```

```

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

<body>

<div class="sidebar sidebar-hide-to-small sidebar-shrink sidebar-gestures">
    <div class="nano">
        <div class="nano-content">
            <div class="logo"><a href="index.php?admin=home"><span>Real Estate</span></a>
</div>
            <ul>
                <?php if($_SESSION["user"]->idRole==2):?>
                <li class="label">Home</li>
                <li><a href="index.php?admin=home" id="home"><i class="ti-home"></i> Home</a></li>

                <li class="label">User</li>
                <li><a href="#" id="users"><i class="ti-user"></i> Users</a></li>
                <li><a href="#" id="agents"><i class="ti-user"></i> Agents</a></li>
                <li><a href="#" id="admins"><i class="ti-user"></i> Admins</a></li>

                <li class="label">Export Excel</li>
                <li><a href="models/users/export_excel.php" id="exportUsers"><i class="ti-export"></i> Export Users</a></li>
                <li><a href="models/agents/export_excel.php" id="exportAgents"><i class="ti-export"></i> Export Agents</a></li>

                <li class="label">Email</li>
                <li><a href="#" id="new_emails"><i class="ti-email"></i> New emails</a></li>
                <li><a href="#" id="readed_emails"><i class="ti-archive"></i> Readed emails</a></li>

                <li class="label">Real Estate</li>
                <li><a href="#" id="real_estates"><i class="ti-home"></i> Real estates </a></li>
                <li><a href="#" id="new_real_estates"><i class="ti-archive"></i> New real estates </a></li>
                <li><a href="#" id="deleted_real_estates"><i class="ti-trash"></i> Deleted real estates </a></li>
                <li><a href="#" id="scheduled_visits"><i class="ti-timer"></i> Scheduled visits </a></li>

                <?php elseif($_SESSION["user"]->idRole==3):?>

                <li class="label">Visit</li>
                <li><a href="#" id="visit_outcome" data-id="<?= $_SESSION["user"]->idUser?>"><i class="ti-home"></i> Visit Outcome </a></li>

                <?php endif;?>
                <li class="label">Extra</li>
                <?php if($_SESSION["user"]->idRole==3):?>

                <li><a href="#" id="agent_profile" data-id="<?= $_SESSION["user"]->idUser?>"><i class="ti-user"></i> Profile</a></li>

                <?php endif;?>
                <li><a href="#" class="logout"><i class="ti-close"></i> Logout</a></li>
            </ul>

```

```

        </div>
    </div>
</div>
<!-- /# sidebar -->



</span>
</span>
</span>



# Hello, <span>Welcome <?= $_SESSION["user"] -> firstName?></span></h1>


<section id="main-content">
<?php if($_SESSION["user"]->idRole==2):?>
<h4 class="text-center">Access to the site over the past 24 hours as a percentage</h4>
<div class="tableContainer col-10 mx-auto">
<table id="access">
<tr>
<?php foreach($access as $i=>$ac):?>
<th><?= $i?></th>
<?php endforeach;?>
</tr>
<tr>
<?php foreach($access as $i=>$ac):?>
<td><?= $ac?>%</td>
<?php endforeach;?>
</tr>
</table>
</div>
<table id="loginUser" class="mx-auto">
<tr><th>Number of login users</th></tr>
<tr><td><?= user_login_count()?></td></tr>
</table>
<?php endif;?>


```

```

        </section>
        <div class="col-12" id="paginacija"></div>
    </div>
</div>
<!-- jquery vendor -->
<script src="assets/js/jquery.min.js"></script>
<script src="assets/js/jquery.nanoscroller.min.js"></script>
<!-- nano scroller -->
<script src="assets/js/sidebar.js"></script>
<!-- sidebar -->
<script src="assets/js/bootstrap.min.js"></script>
<script src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

<script src="assets/js/scripts.js"></script>
<script src="assets/js/main.js"></script>
<!-- script init-->

</body>

</html>

```

3.2.4 Errors

3.2.4.1 403.php

```

<div id="notfound">
    <div class="notfound">
        <div class="notfound-400">
            <h1>403</h1>
        </div>
        <h2>You Are Not Authorized To See This.</h2>
        <p>The page you are trying to view cannot be shown because the authenticity of the received data.</p>
        <a href=<?=$SERVER['DOCUMENT_ROOT'].'/praktikum_php_sajt/index.php?page=home'?'>"Go To Homepage</a>
    </div>
</div>

```

3.2.4.2 404.php

```

<div id="notfound">
    <div class="notfound">
        <div class="notfound-400">
            <h1>404</h1>
        </div>
        <h2>Oops! This Page Could Not Be Found</h2>
        <p>Sorry but the page you are looking for does not exist, have been removed, name changed or is temporarily unavailable</p>
        <a href=<?=$SERVER['DOCUMENT_ROOT'].'/praktikum_php_sajt/index.php?page=home'?'>"Go To Homepage</a>
    </div>

```

```
</div>
```

3.3 Models

3.3.1 Agents

3.3.1.1 agent_get_all.php

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

    $data=null;
    $code=400;

    $query="SELECT * FROM user u INNER JOIN agent a ON a.idUser=u.idUser INNER JOIN type t ON a.idType=t.idType LIMIT 3";
    try{
        $agents=ExecuteQuery($query);
        if($agents){
            $data=$agents;
            $code=200;
        }
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
    http_response_code($code);
    echo json_encode($data);
?>
```

3.3.1.2 agent_get_one.php

```
<?php
    session_start();
    header("Content-type: application/json");
    require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

    $data=[ "error_message"=>"An error has occurred, bad request"];
    $code=400;

    if(isset($_POST["id"])){
        $id=$_POST["id"];
        $query="SELECT * FROM user u INNER JOIN agent a ON a.idUser=u.idUser WHERE u.idUser=?";
        $prepare=$connection->prepare($query);
        $queryType="SELECT * FROM type";
        $prepareType=$connection->prepare($queryType);
        try{
            if($prepare->execute([$id]) && $prepareType->execute()){
                $code=200;
                $data[ "agent"]=$prepare->fetch();
            }
        }catch(PDOException $e){
            $code=500;
            $data[ "error_message"]=$e->getMessage();
        }
    }
?>
```

```

        $data["type"]=$prepareType->fetchAll();
    }
}
catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}
}

echo json_encode($data);
http_response_code($code);
?>
```

3.3.1.3 agent_image.php

```

<?php
header("Content-type: application/json");
require "../../config/connection.php";
$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"])){
    $image=$_FILES["image"];
    $id=$_POST["id"];

    $name=$image["name"];
    $type=$image["type"];
    $size=$image["size"];
    $tmp=$image["tmp_name"];

    $location=$_SERVER[ "DOCUMENT_ROOT"]."/praktikum_php_sajt/assets/img_agent/";

    $fileTypes=array("image/jpg", "image/jpeg", "image/png");
    $max_size=2*1024*1024;
    $errors=[];

    if(!in_array($type, $fileTypes)){
        $errors[]="Your image format is not supported ($name)";
    }
    if($size>$max_size){
        $errors[]="Your image is bigger then 2MB ($name)";
    }

    if(count($errors)){
        $data=[ "errors"=>$errors];
        $code=422;
    }
    else{
        $imageName=time()."_" . $name;

        $width_new=250;
        list($width, $height)=getimagesize($tmp);
        $height_new=($width_new/$width) * $height;
        switch($type){
            case "image/jpg": case "image/jpeg": $image=imagecreatefromjpeg($tmp); break;
            case "image/png": $image=imagecreatefrompng($tmp); break;
        }
    }
}
```

```

        }
        $image_new=imagecreatetruecolor($width_medium, $height_medium);

        imagecopyresampled($image_medium, $image, 0,0,0,0, $width_new, $height_new, $width, $height);

        switch($type){
            case "image/jpg": case "image/jpeg": imagejpeg($image, $location.$imageName); break;
            case "image/png": imagepng($image, $location.$imageName); break;
        }

        $query="UPDATE agent SET image=? WHERE idAgent=?";
        $prepare=$connection->prepare($query);
        try{
            if($prepare->execute([$imageName,$id])){
                $code=204;
            }
        }

        }catch(PDOException $e){
            $code=500;
            $data=[ "error_message"=>"An error has occurred, please try again later"];
            writeError($e->getMessage());
        }
    }
    echo json_encode($data);
    http_response_code($code);
}

```

3.3.1.4 export_excel.php

```

<?php
ob_clean();
header("Content-Type: application/vnd.ms-excel");
header("Content-Disposition: attachment; filename=agents.xls");
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";
$query="SELECT * FROM user u INNER JOIN agent a ON a.idUser=u.idUser INNER JOIN type t ON t.idType=a.idType";
$agents=ExecuteQuery($query);

$excel = new COM("Excel.Application")or die('Connection to excel failed');
$excel->Visible = 1;
$excel->DisplayAlerts = 1;
$workbook = $excel->Workbooks->Add();

$sheet = $workbook->Worksheets('Sheet1');
$sheet->activate;
$br = 2;
$field = $sheet->Range("A1");
$field->activate;
$field->value = "First name";
$field = $sheet->Range("B1");
$field->activate;
$field->value = "Last name";
$field = $sheet->Range("C1");

```

```

$field->activate;
$field->value = "Phone number";
$field = $sheet->Range("D1");
$field->activate;
$field->value = "Email";
$field = $sheet->Range("E1");
$field->activate;
$field->value = "Biography";
$field = $sheet->Range("F1");
$field->activate;
$field->value = "Linkedin profile";
$field = $sheet->Range("G1");
$field->activate;
$field->value = "Profession";

foreach($agents as $a){
    $field = $sheet->Range("A{$br}");
    $field->activate;
    $field->value = $a->firstName;
    $field = $sheet->Range("B{$br}");
    $field->activate;
    $field->value = $a->lastName;
    $field = $sheet->Range("C{$br}");
    $field->activate;
    $field->value = $a->phone;
    $field = $sheet->Range("D{$br}");
    $field->activate;
    $field->value = $a->email;
    $field = $sheet->Range("E{$br}");
    $field->activate;
    $field->value = $a->description;
    $field = $sheet->Range("F{$br}");
    $field->activate;
    $field->value = $a->linkLinkedin;
    $field = $sheet->Range("G{$br}");
    $field->activate;
    $field->value = $a->type;
    $br++;
}

$field = $sheet->Range("H1");
$field->activate;
$field->value = $br-1;

$file = tempnam(sys_get_temp_dir(), "excel");
$workbook->SaveAs($file, -4143);
$workbook->Save();
$workbook->Saved=true;
$workbook->Close;
$excel->Workbooks->Close();
$excel->Quit();

readfile($file);
unlink($file);

unset($sheet);
unset($workbook);
unset($excel);
?>
```

3.3.1.5 update.php

```
<?php
session_start();
header("Content-type: application/json");
require "../../config/connection.php";
$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"]) && isset($_POST["agent"])){
    $firstName=trim($_POST["firstName"]);
    $lastName=trim($_POST["lastName"]);
    $phoneNumber=trim($_POST["phoneNumber"]);
    $email=trim($_POST["email"]);
    $agentDesc=trim($_POST["agentDesc"]);
    $agentType=trim($_POST["agentType"]);
    $linkedin=trim($_POST["linkedin"]);
    $idAgent=trim($_POST["agent"]);

    $errors=[ ];

    if(!preg_match("/^[\u0100-\u017F][\u0100-\u017F]{2,15}([\u0100-\u017F][\u0100-\u017F]{2,15})*$/", $firstName)){
        $errors[]="The name is not in good format";
    }
    if(!preg_match("/^[\u0100-\u017F][\u0100-\u017F]{2,19}([\u0100-\u017F][\u0100-\u017F]{2,19})*$/", $lastName)){
        $errors[]="The first name is not in good format";
    }
    if(!preg_match("/^\+\d{7,20}$/", $phoneNumber)){
        $errors[]="The password is not in good format";
    }
    if(!filter_var($email, FILTER_VALIDATE_EMAIL)){
        $errors[]="The email is not in good format";
    }
    if(!filter_var($linkedin, FILTER_VALIDATE_URL)){
        $errors[]="The linkedin url is not in good format";
    }
    if(!preg_match("/^[\w\.,]+([\w\.,]+)*$/", $agentDesc)){
        $errors[]="The biography is not in good format";
    }
    if(empty($agentType)){
        $errors[]="You must choose profession";
    }

    if(count($errors)){
        $data=[ "errors"=>$errors];
        $code=422;
    }
    else{

        $query="UPDATE user u INNER JOIN agent a ON u.idUser=a.idUser SET u.firstName=?, u.lastName=?, u.phone=?, u.email=?, a.description=?, a.idType=?, linkLinkedin=? WHERE a.idAgent=?";
        $prepare=$connection->prepare($query);
        try{

```

```

        if($prepare-
>execute([$firstName, $lastName, $phoneNumber, $email, $agentDesc, $agentType, $linkedin, $idAgent]){
            $code=204;
        }

    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}

echo json_encode($data);
http_response_code($code);
?>

```

3.3.2 Captcha

3.3.2.1 captcha.php

```

<?php

session_start();
header("Content-Type: image/jpeg");

$length=8;
$array="QWERTYUIOPASDFGHJKLMNOPQRSTUVWXYZCVBNMqwertyuiopasdfghjklzxcvbnm1234567890";

function captcha_text($l, $a){
    $text="";
    for($i=0; $i<$l; $i++){
        $text.=$a[rand(0,strlen($a)-1)];
    }
    return $text;
}

$captcha_text=captcha_text($length, $array);
$_SESSION["captcha_text"]=$captcha_text;

$img=imagecreatefromjpeg("../assets/images/captcha.jpg");

$white=imagecolorallocate($img, 255, 255, 255);

imagefilledrectangle($img, 0, 0, 400, 0, $white);

$font=$_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/data/mytype.ttf";


for($i=0; $i<$length; $i++){
    imagedttf($img, 17, rand(-15, 15), $i*25, rand(20,40), $white, $font, $captcha_text[$i]);
}

imagejpeg($img);

```

```
?>
```

3.3.2.2 get_captcha_text.php

```
<?php

    session_start();
    header("Content-type: application/json");
    $data=["captcha_text"=>$_SESSION["captcha_text"]];
    $code=200;

    echo json_encode($data);
    http_response_code($code);
?>
```

3.3.3 Login

3.3.3.1 functions.php

```
<?php
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

function user_login($id){
    @$open=fopen(LOGIN_FILE, "a");
    $write=$id."\n";
    @fwrite($open,$write);
    @fclose($open);
}
function user_login_count(){
    return count(file(LOGIN_FILE));
}

?>
```

3.3.3.2 login.php

```
<?php
session_start();
header("Content-type: application/json");
require_once "../config/connection.php";
require_once "functions.php";
$data["error_message"]=[ "An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"])){
    $password=trim($_POST["password"]);
    $email=trim($_POST["email"]);

    if(!preg_match("/^w{10,}$/, $password)){
        $data["errorPassword"]=[ "The password is not in good format"];
        $code=422;
    }
    if(!filter_var($email, FILTER_VALIDATE_EMAIL)){
        $data["errorEmail"]=[ "The email is not in good format"];
    }
}
```

```

$code=422;
}

if($code!=422){
    $password=md5($password);
    $query="SELECT * FROM user u INNER JOIN role r ON u.idRole=r.idRole WHERE u.email=? AND u.password=?";
    $prepare=$connection->prepare($query);

    $queryEmail="SELECT idUser FROM user WHERE email=?";
    $prepare2=$connection->prepare($queryEmail);

    $queryPassword="SELECT idUser FROM user WHERE password=?";
    $prepare3=$connection->prepare($queryPassword);

    try{
        $prepare2->execute([$email]);
        if($prepare2->rowCount()!==1){
            $data["errorEmail"]=[ "User with that email does not exist"];
            $code=422;
        }
        $prepare3->execute([$password]);
        if($prepare3->rowCount()<1){
            $data["errorPassword"]=[ "User with that password does not exist"];
            $code=422;
        }
        if($code!=422){
            $prepare->execute([$email, $password]);
            if($prepare->rowCount()==1){
                $_SESSION[ "user"]=$prepare->fetch();
                user_login($_SESSION[ "user"]->idUser);
                $code=200;
            }else{
                $code=422;
                $data[ "errorPassword"]=[ "Not a valid password or email"];
                $to=$email;
                $text="Someone tried to login on your account.";
                $subject="Message from Real Estate login";
                $header="From: http://www.projekti.epizy.com";
                mail($to, $subject, $text, $header);
            }
        }
    }catch(PDOException $e){
        $code=500;
        $data["error_message"]=[ "An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}

echo json_encode($data);
http_response_code($code);
?>

```

3.3.4 Logout

3.3.4.1 functions.php

```
<?php
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

function user_logout($id){
    $id=(int)$id;
    $write="";
    @$file=file(LOGIN_FILE);
    if(count($file)){
        foreach($file as $i){
            $login_id=trim((int)$i);
            if($login_id!=$id){
                $write.=$iId."\n";
            }
        }
    }
    @$open=fopen(LOGIN_FILE, "w");
    @fwrite($open,$write);
    @fclose($open);
}
?>
```

3.3.4.2 logout.php

```
<?php
session_start();
require_once "functions.php";
user_logout($_SESSION["user"]->idUser);
session_destroy();
?>
```

3.3.5 Nav

3.3.5.1 navigation.php

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

function top_nav(){
    global $connection;
    $query="SELECT * FROM navigation ORDER BY position";
    $nav=ExecuteQuery($query);
    $query2="SELECT * FROM navigation ORDER BY position LIMIT 3 OFFSET 6";
    $nav_log=ExecuteQuery($query2);
    $html=<nav><ul class='flex1' id='nav'>";
    for($i=0; $i<count($nav)-3; $i++){
        $html.= "<li><a href='{$nav[$i]->link}'>{$nav[$i]->text}</a></li>";
    }
    $html.= "</ul></nav><nav id='navLog' class='flex1'><ul>";
    foreach($nav_log as $r){
        if($r->text=="Login" && isset($_SESSION["user"])){
            $html.= "<li><a href='index.php?view=login'>{$r->text}</a></li>";
        }
    }
    $html.= "</ul></nav>";
}
```

```

        continue;
    }
    if($r->text=="Sing up" && !isset($_SESSION["user"])){
        continue;
    }
    if($r->text=="profile" && !isset($_SESSION["user"])){
        continue;
    }
    if($r->text=="Login"){
        $html.= "<li><a href='#' class='login'>".$r->text."</a></li><li class='liCrtta'>|</li>";
    }elseif($r->text=="profile"){
        $idUser=$_SESSION['user']->idUser;
        $nore=is_array(get_real_estate_user($idUser))?count(get_real_estate_user($idUser)):0;
        $html.= "<li class='profile'><a href='#' class='profileLink'><i class='fas fa-user'></i></a>
        <div class='profilePopup'>
            <div class='profilePoint'></div>
            <div class='profileData flex2'>
                <a href='index.php?page=register&id=$idUser'>Edit profile <i class='fas fa-edit'></i></a>
                <a href='index.php?page=userProperty&id=$idUser'>My properties <span class='numberRealEstates'>$nore</span></a>
                <a href='#' class='logout'>Logout <i class='fas fa-sign-out-alt'></i></a>
            </div>
        </div>";
    }
    else{
        $html.= "<li><a href='".$r->link.$r->text.</a></li>";
    }
}
$html.= "</ul></nav>";
return $html;
}

function bottom_nav(){
    $query="SELECT * FROM navigation ORDER BY position";
    $nav=ExecuteQuery($query);
    $html=<nav><ul>;
    foreach($nav as $r){
        if($r->text=="Login" && !isset($_SESSION["user"])){
            continue;
        }
        if($r->text=="Sing up" && !isset($_SESSION["user"])){
            continue;
        }
        if($r->text=="profile" && !isset($_SESSION["user"])){
            continue;
        }
        if($r->text=="Login"){
            $html.= "<li><a href='#' class='login'>".$r->text."</a></li>";
        }elseif($r->text=="profile"){
            $idUser=$_SESSION['user']->idUser;
            $nore=is_array(get_real_estate_user($idUser))?count(get_real_estate_user($idUser)):0;
            $html.= "<li class='profile'><a href='#'><i class='fas fa-user'></i></a><div class='profilePopup'>
                <div class='profilePoint'></div>
                <div class='profileData flex2'>

```

```

        <a href='index.php?page=register&id=$idUser'>Edit profile <i class='fas fa-edit'></i></a>
        <a href='index.php?page=userProperty&id=$idUser'>My properties <span class='numberRealEstates'>$nore</span></a>
            <a href='#' class='logout'>Logout <i class='fas fa-sign-out-alt'></i></a>
        </div>
    </div></li>";
}
else{
    $html.= "<li><a href='$r->link'>$r->text</a></li>";
}
$html.= "</ul></nav>";
return $html;
}

function footer_nav(){
global $connection;
$query="SELECT * FROM navigation ORDER BY position LIMIT 6";
$nav=ExecuteQuery($query);
$html=<ul class='flex3' id='navFooter'>";
foreach($nav as $r){
    $html.= "<li><a href='$r->link'>$r->text</a></li>";
}
$html.= "</ul></nav>";
return $html;
}

?>

```

3.3.6 Real_estate

3.3.6.1 delete.php

```

<?php
header("Content-type: application/json");
require "../../config/connection.php";
$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"]) && isset($_POST["id"])){
    $id=$_POST["id"];
    $deleted=1;
    $query="UPDATE real_estate SET deleted=? WHERE idRealEstate=?";
    $prepare=$connection->prepare($query);
    try{
        if($prepare->execute([$deleted, $id])){
            $code=204;
            $data=[ "success"=>"You have successfully deleted your property"];
        }
    }
}
```

```

        }
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}
http_response_code($code);
echo json_encode($data);
?>

```

3.3.6.2 deleteImage.php

```

<?php

header("Content-Type: application/json");
$code=400;
$data=[ "error_message"=>"An error has occurred, bad request"];
if(isset($_POST["id"]) && isset($_POST["submit"])){
    $id=$_POST["id"];
    require_once "../config/connection.php";

    $querySelect="SELECT * FROM image WHERE idImage=?";
    $prepareSelect=$connection->prepare($querySelect);

    $query="DELETE FROM image WHERE idImage=?";
    $prepare=$connection->prepare($query);
    try{
        $prepareSelect->execute([$id]);
        if(count($prepareSelect->fetchAll())==1){
            $prepare->execute([$id]);
            $code=204;
            $data=[ "success"=>"Image has been deleted"];
        }
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}
echo json_encode($data);
http_response_code($code);

?>

```

3.3.6.3 functions.php

```

<?php
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

function real_estate_get_all($limit, $offset, $sort, $category, $propertyType, $country, $city, $priceMin, $priceMax, $sizeMin, $sizeMax, $numBed, $numBath){
    global $connection;
    $query="SELECT * FROM real_estate rs INNER JOIN user u ON rs.idUser=u.idUser INNER JOIN price p ON p.idPrice=(SELECT idPrice FROM price WHERE rs.idRealEstate=idRealEstate ORDER BY date DESC LIMIT 1) INNER JOIN city ct ON rs.idCity=ct.idCity INNER JOIN country c ON c.idCountry=ct.idCountry INNER JOIN property_type pt ON pt.idPropertyType=rs.idPropertyType INNER JOIN image i ON i.idI

```

```

mage=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) INNER JOIN category cat ON cat.idCategory=rs.idCategory WHERE rs.approved=1 AND rs.deleted=0";
    if($category!=0)
    {
        $query.=" AND cat.idCategory=$category";
    }
    if($propertyType!=0)
    {
        $query.=" AND pt.idPropertyType=$propertyType";
    }
    if($country!=0)
    {
        $query.=" AND c.idCountry=$country";
    }
    if($city!=0)
    {
        $query.=" AND ct.idCity=$city";
    }
    if($numBed!=0)
    {
        $query.=" AND rs.bedrooms=$numBed";
    }
    if($numBath!=0)
    {
        $query.=" AND rs.bathrooms=$numBath";
    }
    if($sizeMin!=0 || $sizeMax!=0)
    {
        $query.=" AND rs.size BETWEEN $sizeMin AND $sizeMax";
    }
    if($priceMin!=0 || $priceMax!=0)
    {
        $query.=" AND p.price BETWEEN $priceMin AND $priceMax";
    }
    if($sort!=0){
        if($sort==1){
            $query.=" ORDER BY rs.title";
        }else if($sort==2){
            $query.=" ORDER BY rs.title DESC";
        }else if($sort==3){
            $query.=" ORDER BY p.price";
        }else if($sort==4){
            $query.=" ORDER BY p.price DESC";
        }else{
            $query.=" ORDER BY rs.idRealEstate";
        }
    }
    if($limit!=0)
    {
        $query.=" LIMIT $limit OFFSET $offset";
    }
    $real_estates=ExecuteQuery($query);
    return $real_estates;
}
function price($price)
{
    $new_price=preg_replace("/\B(?=(\d{3})+)(?!\d))/", ", ", substr($price, 0, -3));
    return $new_price;
}
function get_property_type(){

```

```

global $connection;
$query="SELECT * FROM property_type";
$property_type=ExecuteQuery($query);
return $property_type;
}
function get_country(){
    global $connection;
    $query="SELECT * FROM country";
    $country=ExecuteQuery($query);
    return $country;
}
function get_rooms(){
    global $connection;
    $query="SELECT * FROM rooms ORDER BY idRooms";
    $rooms=ExecuteQuery($query);
    return $rooms;
}
function get_floor_status(){
    global $connection;
    $query="SELECT * FROM floor_status";
    $floor_status=ExecuteQuery($query);
    return $floor_status;
}
function get_features(){
    global $connection;
    $query="SELECT * FROM feature";
    $features=ExecuteQuery($query);
    return $features;
}
function get_category(){
    global $connection;
    $query="SELECT * FROM category";
    $category=ExecuteQuery($query);
    return $category;
}
function get_documentation(){
    global $connection;
    $query="SELECT * FROM documentation";
    $documentation=ExecuteQuery($query);
    return $documentation;
}
function get_heating(){
    global $connection;
    $query="SELECT * FROM heating";
    $heating=ExecuteQuery($query);
    return $heating;
}
function get_real_estate_user($idUser){
    global $connection;
    $query="SELECT * FROM real_estate rs INNER JOIN price p ON p.idPrice=(SELECT idPrice FROM price WHERE rs.idRealEstate=idRealEstate ORDER BY date DESC LIMIT 1) INNER JOIN city ct ON rs.idCity=ct.idCity INNER JOIN country c ON c.idCountry=ct.idCountry INNER JOIN property_type pt ON pt.idPropertyType=rs.idPropertyType INNER JOIN image i ON i.idImage=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) INNER JOIN category cat ON cat.idCategory=rs.idCategory WHERE rs.approved=1 AND rs.deleted=0 AND rs.idUser=?";
    $prepare=$connection->prepare($query);
    $prepare->execute([$idUser]);
    $real_estates=$prepare->fetchAll();
    if($prepare->rowCount()>0){
        return $real_estates;
    }
}

```

```

        }

    }

function create_images($fileName, $tmp_name, $size, $type){
    $files=$_FILES["images"];
    $location=$_SERVER[ "DOCUMENT_ROOT"]."/praktikum_php_sajt/assets/img/";

    $imageName=time()."_" . $fileName;

    $width_medium=600;
    $width_thumbnail=200;
    list($width, $height)=getimagesize($tmp_name);
    $height_medium=($width_medium/$width) * $height;
    $height_thumbnail=($width_thumbnail/$width) * $height;
    switch($type){
        case "image/jpg": case "image/jpeg": $image=imagecreatefromjpeg($tmp_name); break;
        case "image/png": $image=imagecreatefrompng($tmp_name); break;
    }
    $image_medium=imagecreatetruecolor($width_medium, $height_medium);
    $image_thumbnail=imagecreatetruecolor($width_thumbnail, $height_thumbnail);

    imagecopyresampled($image_medium, $image, 0,0,0,0, $width_medium, $height_medium, $width, $height);
    imagecopyresampled($image_thumbnail, $image, 0,0,0,0, $width_thumbnail, $height_thumbnail, $width, $height);

    $imageName_thumbnail=time()."_" . $fileName;
    $imageName_medium=time()."_" . $fileName;

    $location_logo=$_SERVER[ "DOCUMENT_ROOT"]."/praktikum_php_sajt/assets/images/logo2.png";

    list($width_logo, $height_logo)=getimagesize($location_logo);
    list($width, $height)=getimagesize($tmp_name);

    $logo=imagecreatefrompng($location_logo);
    imagecopymerge($image, $logo, $width-$width_logo, $height-$height_logo, 0,0, $width_logo, $height_logo, 30);

    switch($type){
        case "image/jpg": case "image/jpeg": imagejpeg($image_medium, $location.$imageName_medium);
        imagejpeg($image_thumbnail, $location.$imageName_thumbnail); imagejpeg($image, $location.$imageName); break;
        case "image/png": imagepng($image_medium, $location.$imageName_medium); imagepng($image_thumbnail, $location.$imageName_thumbnail); imagepng($image, $location.$imageName); break;
    }

    $array["medium"]=$imageName_medium;
    $array["thumbnail"]=$imageName_thumbnail;
    $array["image"]=$imageName;
    return $array;
}

?>

```

3.3.6.4 get_city.php

```
<?php
```

```

header("Content-Type: application/json");
$code=400;
$data=[ "error_message"=>"An error has occurred, bad request"];
if(isset($_POST["id"])){
    $id=$_POST["id"];
    require_once "../config/connection.php";

    $querySelect="SELECT * FROM country WHERE idCountry=?";
    $prepareSelect=$connection->prepare($querySelect);

    $query="SELECT * FROM city WHERE idCountry=?";
    $prepare=$connection->prepare($query);
    try{
        $prepareSelect->execute([$id]);
        if(count($prepareSelect->fetchAll())==1){
            $prepare->execute([$id]);
            $city=$prepare->fetchAll();
            $code=200;
            $data=[ "city"=>$city];
        }
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}
echo json_encode($data);
http_response_code($code);

?>

```

3.3.6.5 get_floors.php

```

<?php
    header("Content-Type: application/json");
    require "../config/connection.php";

    $data=null;
    $code=400;

    $query1="SELECT * FROM floor_status";
    $query2="SELECT * FROM floor ORDER BY idFloor";
    try{
        $floor_status=ExecuteQuery($query1);
        $floor=ExecuteQuery($query2);
        $data[ "floor_status"]=$floor_status;
        $data[ "floor"]=$floor;
        $code=200;
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
    http_response_code($code);
    echo json_encode($data);
?>

```

3.3.6.6 insert.php

```
<?php
    header("Content-type: application/json");
    require "../../config/connection.php";
    require "functions.php";
    $data=["error_message"=>"An error has occurred, bad request"];
    $code=400;

    if(isset($_POST["submit"])){
        $title=trim($_POST["title"]);
        $description=trim($_POST["description"]);
        $price=trim($_POST["price"]);
        $property_type=$_POST["property_type"];
        $country=$_POST["country"];
        $city=$_POST["city"];
        $address=trim($_POST["address"]);
        $houseSize=trim($_POST["houseSize"]);
        $rooms=$_POST["rooms"];
        $bedrooms=trim($_POST["bedrooms"]);
        $bathrooms=trim($_POST["bathrooms"]);
        $built=trim($_POST["built"]);
        $category=$_POST["category"];
        $heating=$_POST["heating"];
        $documentation=$_POST["documentation"];
        $user=$_POST["user"];
        if(isset($_POST["features"])){
            $features=$_POST["features"];
        }
        if(isset($_POST["floor_status"])){
            $floor_status=$_POST["floor_status"];
        }
        if(isset($_POST["number_of_floors"])){
            $number_of_floors=$_POST["number_of_floors"];
        }
        if(isset($_POST["floor"])){
            $floor=$_POST["floor"];
        }
        $files=$_FILES["images"];
        $location=$_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/assets/img/";

        $fileTypes=array("image/jpg", "image/jpeg", "image/png");
        $max_size=2*1024*1024;
        $errors=[];

        if(!preg_match("/^\\w+((\\s\\w+)*$/", $title)){
            $errors[]="The title is not in good format";
        }
        if(!preg_match("/^\\d+$/", $price)){
            $errors[]="The price is not in good format";
        }
        if(!preg_match("/^[A-ZŠĐŽĆĆ][a-zđžćć]{2,30}(\\,)?\\s[A-ZŠĐŽĆĆa-zA-Zđžćć]{2,30}*(\\s\\d*\\w?)*$/", $address)){
            $errors[]="The address is not in good format";
        }
        if(!preg_match("/^\\d{2,4}$/", $houseSize)){
            $errors[]="The house size is not in good format";
        }
        if(!preg_match("/^\\d+$/", $bedrooms)){


```

```

$errors[]="The number of bedrooms is not in good format";
}
if(!preg_match("/^\d+$/", $bathrooms)){
    $errors[]="The number of bathrooms is not in good format";
}
if(!preg_match("/^\d{4}$/", $built)){
    $errors[]="The year of construction is not in good format";
}
if(empty($property_type)){
    $errors[]="You must choose the property type";
}
if(empty($category)){
    $errors[]="You must choose the property category";
}
if(empty($country)){
    $errors[]="You must choose the property country";
}
if(empty($city)){
    $errors[]="You must choose the property city";
}
if(empty($rooms)){
    $errors[]="You must choose the property rooms";
}
if(empty($documentation)){
    $errors[]="You must choose the property documentation";
}
if(empty($heating)){
    $errors[]="You must choose the property heating";
}
if(empty($user)){
    $errors[]="You must login";
}
if(!count($_FILES["images"]["name"])){
    $errors[]="You must add a picture of the property";
}else{
    for($i=0; $i<count($files["name"]); $i++){
        $name=$files["name"][$i];
        $size=$files["size"][$i];
        $type=$files["type"][$i];

        if(!in_array($type, $fileTypes)){
            $errors[]="Your image format is not supported ($name)";
        }
        if($size>$max_size){
            $errors[]="Your image is bigger then 2MB ($name)";
        }
    }
}

if($property_type==2){
    if(empty($floor_status)){
        $errors[]="You must choose the property floor status";
    }
    if($floor_status==2){
        if(!preg_match("/^\d{1,2}$/", $number_of_floors)){
            $errors[]="The number of floors is not in good format";
        }
    }
}
if($property_type!=2){

```



```

        $queryPrice="INSERT INTO price VALUES(null, ?, ?, ?, DEFAULT)";
        $preparePrice=$connection->prepare($queryPrice);
        $preparePrice->execute([$idRealEstate, $price]);
    }

    for($i=0; $i<count($files["name"]); $i++){
        $fileName=$files["name"][$i];
        $tmp_name=$files["tmp_name"][$i];
        $size=$files["size"][$i];
        $type=$files["type"][$i];

        $images=create_images($fileName, $tmp_name, $size, $type);

        $queryImage="INSERT INTO image VALUES(null, ?, ?, ?, ?, ?)";
        $prepareImage=$connection->prepare($queryImage);
        $prepareImage-
>execute([$images["image"], $images["medium"], $images["thumbnail"], $idRealEstate]);

    }
    $code=201;
    $data=[ "success"=>"You have successfully add your property"];

}catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}
}

echo json_encode($data);
http_response_code($code);
?>

```

3.3.6.7 new_real_estate.php

```

<?php
header("Content-Type: application/json");
require "../config/connection.php";

$data=null;
$code=400;

$query="SELECT * FROM real_estate rs INNER JOIN price p ON p.idPrice=(SELECT idPrice FROM price WHERE rs.idRealEstate=idRealEstate ORDER BY date DESC LIMIT 1) INNER JOIN city ct ON rs.idCity=ct.idCity INNER JOIN country c ON c.idCountry=ct.idCountry INNER JOIN image i ON i.idImage=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) WHERE rs.approved=1 AND rs.deleted=0 ORDER BY rs.date DESC LIMIT 4";

try{
    $newest_real_estate=ExecuteQuery($query);
    if($newest_real_estate){
        $data=$newest_real_estate;
        $code=200;
    }
}catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}

```

```

        }
        http_response_code($code);
        echo json_encode($data);
    ?>

```

3.3.6.8 real_estate_activate.php

```

<?php
session_start();
header("Content-type: application/json");
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"]) && isset($_POST["idRealEstate"])){
    $idRealEstate=$_POST["idRealEstate"];
    $query="UPDATE real_estate SET deleted=0 WHERE idRealEstate=?";
    $prepare=$connection->prepare($query);
    try{
        if($prepare->execute([$idRealEstate])){
            $code=204;
        }
    }
    catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}

echo json_encode($data);
http_response_code($code);
?>

```

3.3.6.9 real_estate_approve.php

```

<?php
session_start();
header("Content-type: application/json");
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"]) && isset($_POST["idRealEstate"])){
    $idRealEstate=$_POST["idRealEstate"];
    $query="UPDATE real_estate SET approved=1 WHERE idRealEstate=?";
    $prepare=$connection->prepare($query);
    try{
        if($prepare->execute([$idRealEstate])){
            $code=204;
        }
    }
    catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}

```

```

        }
    }

    echo json_encode($data);
    http_response_code($code);
?>

```

3.3.6.10 real_estate_get_all.php

```

<?php
    session_start();
    header("Content-type: application/json");
    require_once "functions.php";
    $data=["error_message"=>"An error has occurred, bad request"];
    $code=400;
    $offset=0;
    $limit=3;
    $category=0;
    $country=0;
    $city=0;
    $numBed=0;
    $numBath=0;
    $priceMin=0;
    $priceMax=0;
    $sizeMin=0;
    $sizeMax=0;
    $propertyType=0;
    $sort=0;
    if(isset($_POST['submit'])){
        if(isset($_POST["page"]) && $_POST["page"]!=""){
            $offset=($_POST["page"]-1)*$limit;
        }
        if(isset($_POST["category"]) && $_POST["category"]!=""){
            $category=$_POST["category"];
        }
        if(isset($_POST["propertyType"]) && $_POST["propertyType"]!=""){
            $propertyType=$_POST["propertyType"];
        }
        if(isset($_POST["country"]) && $_POST["country"]!=""){
            $country=$_POST["country"];
        }
        if(isset($_POST["city"]) && $_POST["city"]!=""){
            $city=$_POST["city"];
        }
        if(isset($_POST["bedrooms"]) && $_POST["bedrooms"]!="" && is_numeric($_POST["bedrooms"])){
            $numBed=trim($_POST["bedrooms"]);
        }
        if(isset($_POST["bathrooms"]) && $_POST["bathrooms"]!="" && is_numeric($_POST["bathrooms"])){
            $numBath=trim($_POST["bathrooms"]);
        }
        if(isset($_POST["priceMin"]) && $_POST["priceMin"]!="" && is_numeric($_POST["priceMin"])){
            $priceMin=trim($_POST["priceMin"]);
        }
        if(isset($_POST["priceMax"]) && $_POST["priceMax"]!="" && is_numeric($_POST["priceMax"])){
            $priceMax=trim($_POST["priceMax"]);
        }
    }
}

```

```

        $priceMax=trim($_POST["priceMax"]);
    }
    if(isset($_POST["sizeMin"]) && $_POST["sizeMin"]!=""
      && is_numeric($_POST["sizeMin"])){
        $sizeMin=trim($_POST["sizeMin"]);
    }
    if(isset($_POST["sizeMax"]) && $_POST["sizeMax"]!=""
      && is_numeric($_POST["sizeMax"])){
        $sizeMax=trim($_POST["sizeMax"]);
    }
    if(isset($_POST["sort"])){
        $sort=$_POST["sort"];
    }
}
try{
    $real_estates=real_estate_get_all($limit, $offset, $sort, $category, $propertyType, $country, $city, $priceMin, $priceMax, $sizeMin, $sizeMax, $numBed, $numBath);
    $total=count(real_estate_get_all(0, 0, 0, $category, $propertyType, $country, $city, $priceMin, $priceMax, $sizeMin, $sizeMax, $numBed, $numBath));
    if(count($real_estates)>=1){
        $data["real_estate"]=$real_estates;
        $pages = ceil($total / $limit);
        $data["pages"]=$pages;
        $code=200;
    }else{
        $code=404;
        $data=[ "error_message"=>"An error has occurred, not found"];
    }
}
catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}

echo json_encode($data);
http_response_code($code);
?>
```

3.3.6.11 real_estate_get_deleted.php

```

<?php
session_start();
header("Content-type: application/json");
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

$query="SELECT * FROM real_estate rs INNER JOIN price p ON p.idPrice=(SELECT idPrice FROM price WHERE rs.idRealEstate=idRealEstate ORDER BY date DESC LIMIT 1) INNER JOIN city ct ON rs.idCity=ct.idCity INNER JOIN country c ON c.idCountry=ct.idCountry INNER JOIN property_type pt ON pt.idPropertyType=rs.idPropertyType INNER JOIN image i ON i.idImage=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) INNER JOIN category cat ON cat.idCategory=rs.idCategory INNER JOIN user u ON u.idUser=rs.idUser WHERE rs.deleted=1 AND rs.idRealEstate NOT IN (SELECT prs.idRealEstate FROM real_estate prs INNER JOIN visit v ON prs.idRealEstate=v.idRealEst
ate INNER JOIN agent_visit av ON av.idVisit=v.idVisit INNER JOIN visit_outcome vo ON av.idAgentVisit=vo.idAgentVisit)";
$prepare=$connection->prepare($query);
try{
```

```

        if($prepare->execute()){
            $code=200;
            $data=$prepare->fetchAll();
        }
    }
    catch(PDOException $e){
        $code=500;
        $data=["error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }

    echo json_encode($data);
    http_response_code($code);
?>

```

3.3.6.12 real_estate_get_one.php

```

<?php
require_once "functions.php";

function get_real_estate($idRealEstate){
    global $connection;
    $query="SELECT * FROM real_estate rs INNER JOIN city ct ON rs.idCity=ct.idCity INNER JOIN cou
ntry c ON c.idCountry=ct.idCountry INNER JOIN property_type pt ON pt.idPropertyType=rs.idProperty
Type INNER JOIN category cat ON cat.idCategory=rs.idCategory WHERE rs.approved=1 AND rs.deleted=0
AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $real_estate=$prepare->fetch();
    if($real_estate){
        return $real_estate;
    }else{
        header("Location: 404.php");
    }
}
function get_images_real_estate($idRealEstate){
    global $connection;
    $query="SELECT * FROM image i INNER JOIN real_estate rs ON rs.idRealEstate=i.idRealEstate WHE
RE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $images=$prepare->fetchAll();
    return $images;
}
function get_price($idRealEstate){
    global $connection;
    $query="SELECT p.price FROM real_estate rs INNER JOIN price p ON rs.idRealEstate=p.idRealEst
ate WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=? ORDER BY p.date DESC";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $prices=$prepare->fetchAll();
    if(count($prices)>=1){
        foreach($prices as $p){
            $price[]=$p->price;
        }
    }
}

```

```

        }
        return $price;
    }else{
        return "NO";
    }
}

function get_floor($idRealEstate){
    global $connection;
    $query="SELECT * FROM real_estate rs INNER JOIN property_type pt ON rs.idPropertyType=pt.idPropertyType WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $real_estate=$prepare->fetch();

    if($real_estate){
        if($real_estate->type=="House"){
            return "ground floor";
        }else{
            $query2="SELECT f.floor FROM real_estate rs INNER JOIN floors fs ON fs.idRealEstate=rs.idRealEstate INNER JOIN floor f ON f.idFloor=fs.idFloor WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=$real_estate->idRealEstate";
            $floor=ExecuteQuery($query2);
            return $floor[0]->floor;
        }
    }
}

function get_number_of_floors($idRealEstate){
    global $connection;
    $query="SELECT * FROM real_estate rs INNER JOIN floor_status fs ON rs.idFloorStatus=fs.idFloorStatus WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $real_estate=$prepare->fetch();

    if($real_estate){
        if($real_estate->idFloorStatus==1){
            return "ground floor";
        }else{
            $query2="SELECT * FROM real_estate rs INNER JOIN number_of_floors nof ON rs.idRealEstate=nof.idRealEstate WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=$real_estate->idRealEstate";
            $floors=ExecuteQuery($query2);
            return $floors[0]->number_of_floors;
        }
    }
}

function get_rooms_real_estate($idRealEstate){
    global $connection;
    $query="SELECT r.rooms FROM real_estate rs INNER JOIN rooms r ON rs.idRooms=r.idRooms WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $rooms=$prepare->fetch();
    if($rooms){

```

```

        return $rooms->rooms;
    }else{
        return "NO";
    }
}

function get_documentation_real_estate($idRealEstate){
    global $connection;
    $query="SELECT d.documentation FROM real_estate rs INNER JOIN documentation d ON rs.idDocumentation=d.idDocumentation WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $documentation=$prepare->fetch();
    if($documentation){
        return $documentation->documentation;
    }else{
        return "NO";
    }
}

function get_heating_real_estate($idRealEstate){
    global $connection;
    $query="SELECT h.heating FROM real_estate rs INNER JOIN heating h ON rs.idHeating=h.idHeating WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $heating=$prepare->fetch();
    if($heating){
        return $heating->heating;
    }else{
        return "NO";
    }
}

function get_features_real_estate($idRealEstate){
    global $connection;
    $query="SELECT * FROM feature_real_estate fre INNER JOIN real_estate rs ON fre.idRealEstate=rs.idRealEstate INNER JOIN feature f ON f.idFeature=fre.idFeature WHERE rs.approved=1 AND rs.deleted=0 AND rs.idRealEstate=?";
    $prepare=$connection->prepare($query);
    $prepare->bindValue(1, $idRealEstate);
    $prepare->execute();
    $features=$prepare->fetchAll();
    if(count($features)>=1){
        foreach($features as $f){
            $array[]=$f->feature;
        }
        return $array;
    }else{
        return ["NO"];
    }
}

function get_price_per_m2($price, $size){
    $ppm2=round(preg_replace("/,/", "", $price)/$size);
    return $ppm2;
}
?>
```

3.3.6.13 real_estate_get_unapproved.php

```
<?php
    session_start();
    header("Content-type: application/json");
    require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

    $data=[ "error_message"=>"An error has occurred, bad request"];
    $code=400;

    $query="SELECT * FROM real_estate rs INNER JOIN price p ON p.idPrice=(SELECT idPrice FROM price WHERE rs.idRealEstate=idRealEstate ORDER BY date DESC LIMIT 1) INNER JOIN city ct ON rs.idCity=ct.idCity INNER JOIN country c ON c.idCountry=ct.idCountry INNER JOIN property_type pt ON pt.idPropertyType=rs.idPropertyType INNER JOIN image i ON i.idImage=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) INNER JOIN category cat ON cat.idCategory=rs.idCategory INNER JOIN user u ON u.idUser=rs.idUser WHERE rs.approved=0 AND rs.deleted=0";
    $prepare=$connection->prepare($query);
    try{
        if($prepare->execute()){
            $code=200;
            $data=$prepare->fetchAll();
        }
    }
    catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }

    echo json_encode($data);
    http_response_code($code);
?>
```

3.3.6.14 update.php

```
<?php
    header("Content-type: application/json");
    require "../config/connection.php";
    require "functions.php";
    require "real_estate_get_one.php";
    $data=[ "error_message"=>"An error has occurred, bad request"];
    $code=400;

    if(isset($_POST["submit"]) && isset($_POST["id"])){
        $idRealEstate=$_POST["id"];
        $property_type=$_POST["property_type"];
        $title=trim($_POST["title"]);
        $description=trim($_POST["description"]);
        $price=trim($_POST["price"]);
        $address=trim($_POST["address"]);
        $houseSize=trim($_POST["houseSize"]);
        $rooms=$_POST["rooms"];
        $bedrooms=trim($_POST["bedrooms"]);
        $bathrooms=trim($_POST["bathrooms"]);
        $heating=$_POST["heating"];
        $documentation=$_POST["documentation"];
        $user=$_POST["user"];
        if(isset($_POST["features"])){
            $features=$_POST["features"];
        }
```

```

}
if(isset($_POST["floor_status"])){
    $floor_status=$_POST["floor_status"];
}
if(isset($_POST["number_of_floors"])){
    $number_of_floors=$_POST["number_of_floors"];
}
$location=$_SERVER[ "DOCUMENT_ROOT"]."/praktikum_php_sajt/assets/img/";

$fileTypes=array("image/jpg", "image/jpeg", "image/png");
$max_size=2*1024*1024;
$errors=[];
if(isset($_FILES["images"])){
    $files=$_FILES["images"];
    if(count($_FILES["images"]["name"])){
        for($i=0; $i<count($files["name"]); $i++){
            $name=$files["name"][$i];
            $size=$files["size"][$i];
            $type=$files["type"][$i];

            if(!in_array($type, $fileTypes)){
                $errors[]="Your image format is not supported ($name)";
            }
            if($size>$max_size){
                $errors[]="Your image is bigger then 2MB ($name)";
            }
        }
    }
}

if(!preg_match("/^\w+(\s\w+)*$/", trim($title))){
    $errors[]="The title is not in good format";
}
if(!preg_match("/^\d+$/", trim($price))){
    $errors[]="The price is not in good format";
}
if(!preg_match("/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,30}(\,\?\s[A-ZŠĐŽĆĆa-zA-Zđžćć]{2,30})*(\s\d*\w?)*$/", $address)){
    $errors[]="The address is not in good format";
}
if(!preg_match("/^\d{2,4}$/", trim($houseSize))){
    $errors[]="The house size is not in good format";
}
if(!preg_match("/^\d+$/", trim($bedrooms))){
    $errors[]="The number of bedrooms is not in good format";
}
if(!preg_match("/^\d+$/", trim($bathrooms))){
    $errors[]="The number of bathrooms is not in good format";
}
if(empty($rooms)){
    $errors[]="You must choose the property rooms";
}
if(empty($documentation)){
    $errors[]="You must choose the property documentation";
}
if(empty($heating)){
    $errors[]="You must choose the property heating";
}
if(empty($user)){
    $errors[]="You must login";
}

```

```

    }

    if($property_type==2){
        if(empty($floor_status)){
            $errors[]="You must choose the property floor status";
        }
        if($floor_status==2){
            if(!preg_match("/^\d{1,2}$/, $number_of_floors)){
                $errors[]="The number of floors is not in good format";
            }
        }
    }
    if($property_type!=2){
        $floor_status=2;
        if(!preg_match("/^\d{1,2}$/, $number_of_floors)){
            $errors[]="The number of floors is not in good format";
        }
    }
}

if(count($errors)){
    $data=[ "errors"=>$errors];
    $code=422;
}
else{

    $query="UPDATE real_estate SET title=?, description=?, address=?, size=?, bedrooms=?,
bathrooms=?, idHeating=?, idRooms=?, idDocumentation=?, idFloorStatus=? WHERE idRealEstate=? AND
idUser=?";
    $prepare=$connection->prepare($query);
    try{
        $prepare-
>execute([$title, $description, $address, $houseSize, $bedrooms, $bathrooms, $heating, $rooms, $d
ocumentation, $floor_status, $idRealEstate, $user]);

        if(!empty($number_of_floors)){
            $prepareNOF=$connection-
>prepare("UPDATE number_of_floors SET number_of_floors=? WHERE idRealEstate=?");
            $prepareNOF->execute([$number_of_floors, $idRealEstate]);
        }

        if(!empty($features)){
            $features=explode(", ", $features);
            $features_real_estate=ExecuteQuery("SELECT fre.idFeature FROM feature_real_es
tate fre INNER JOIN real_estate rs ON fre.idRealEstate=rs.idRealEstate INNER JOIN feature f ON f.
idFeature=fre.idFeature WHERE rs.approved=1 AND rs.idRealEstate=$idRealEstate");
            foreach($features_real_estate as $fs){
                $old_features[]=$fs->idFeature;
            }

            foreach($features as $i=>$f){
                if(!in_array($f, $old_features)){
                    $queryFeatures="INSERT INTO feature_real_estate VALUES(null, :idFeat
ure, :idRealEstate)";
                    $prepareFeatures=$connection->prepare($queryFeatures);
                    $prepareFeatures->bindParam(":idRealEstate", $idRealEstate);
                    $prepareFeatures->bindParam(":idFeature", $f);
                    $prepareFeatures->execute();
                }
            }
        }
    }
}

```

```

        foreach($old_features as $of){
            if(!in_array($of, $features)){
                $queryFeaturesDelete="DELETE FROM feature_real_estate WHERE idFeature
=:idFeature AND idRealEstate=:idRealEstate";
                $prepareFeaturesDelete=$connection->prepare($queryFeaturesDelete);
                $prepareFeaturesDelete->bindParam(":idRealEstate", $idRealEstate);
                $prepareFeaturesDelete->bindParam(":idFeature", $of);
                $prepareFeaturesDelete->execute();
            }
        }
    }
    if(!empty($price)){
        $old_price= preg_replace("/,/", "", get_price($idRealEstate)[0]);
        if($price!=$old_price){
            $queryPrice="INSERT INTO price VALUES(null, ?, ?, ?, DEFAULT)";
            $preparePrice=$connection->prepare($queryPrice);
            $preparePrice->execute([$idRealEstate, $price]);
        }
    }
    if(isset($files)){
        if(count($files["name"])){
            for($i=0; $i<count($files["name"]); $i++){
                $fileName=$files["name"][$i];
                $tmp_name=$files["tmp_name"][$i];
                $size=$files["size"][$i];
                $type=$files["type"][$i];

                $images=create_images($fileName, $tmp_name, $size, $type);

                $queryImage="INSERT INTO image VALUES(null, ?, ?, ?, ?, ?)";
                $prepareImage=$connection->prepare($queryImage);
                $prepareImage-
>execute([$images["image"], $images["medium"], $images["thumbnail"], $idRealEstate]);

            }
        }
    }
    $code=201;
    $data=[ "success"=>"You have successfully edit your property"];

}catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}
}
}
echo json_encode($data);
http_response_code($code);
?>

```

3.3.7 Registration

3.3.7.1 registration.php

```
<?php
    session_start();
    header("Content-type: application/json");
    require "../../config/connection.php";
    $data=["error_message"=>"An error has occurred, bad request"];
    $code=400;

    if(isset($_POST["submit"])){
        $firstName=trim($_POST["firstName"]);
        $lastName=trim($_POST["lastName"]);
        $password=trim($_POST["password"]);
        $passwordConfirm=trim($_POST["passwordConfirm"]);
        $phoneNumber=trim($_POST["phoneNumber"]);
        $email=trim($_POST["email"]);
        $captchaText=trim($_POST["captchaText"]);
        $idRole=1;

        $errors=[];
        if(!preg_match("/^A-ZŠĐŽĆĆ][a-zđžćć]{2,15}(\s[A-ZŠĐŽĆĆ][a-zA-Zđžćć]{2,15})*$/", $firstName)){
            $errors[]="The name is not in good format";
        }
        if(!preg_match("/^A-ZŠĐŽĆĆ][a-zđžćć]{2,19}(\s[A-ZŠĐŽĆĆ][a-zA-Zđžćć]{2,19})*$/", $lastName)){
            $errors[]="The first name is not in good format";
        }
        if(!preg_match("/^\w{10,}$/, $password)){
            $errors[]="The last name is not in good format";
        }
        if(!preg_match("/^+?\d{7,20}$/", $phoneNumber)){
            $errors[]="The password is not in good format";
        }
        if($password!==$passwordConfirm){
            $errors[]="The password is not the same";
        }
        if(!filter_var($email, FILTER_VALIDATE_EMAIL)){
            $errors[]="The email is not in good format";
        }
        if($captchaText!=$_SESSION["captcha_text"]){
            $errors[]="You did not enter a matching word";
        }

        if(count($errors)){
            $data=["errors"=>$errors];
            $code=422;
        }
        else{
            $password=md5($password);
            $query="INSERT INTO user VALUES (null, ?, ?, ?, ?, ?, ?, DEFAULT, ?)";
            $prepare=$connection->prepare($query);
            try{
                if($prepare->
>execute([$firstName, $lastName, $password, $phoneNumber, $email, $idRole])){
```

```

        $code=201;
        $data=[ "success"=>"You have successfully registered"];
    }else{
        $data=[ "error"=>"A user with this email already exists"];
    }
}catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}
}
echo json_encode($data);
http_response_code($code);
?>

```

3.3.8 Users

3.3.8.1 download_word_author.php

```

<?php

$word = new COM("word.Application") or die('Connection to word failed');
$word->Visible = 1;

$word->Documents->Add();

$text1="Author: Nemanja Maksimovic";
$text2="My name is Nemanja Maksimovic, I am a student of the High School of ICT, majoring in Internet technology.";
$text3="I know how to program in HTML, CSS, JavaScript, jQuery, PHP";

$word->Selection->TypeText($text1."\n\n\n".$text2."\n\n".$text3);

$filename = tempnam(sys_get_temp_dir(), "word");
$word->Documents[1]->SaveAs($filename);

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

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

readfile($filename);
unlink($filename);

header("Location: index.php?page=author");

?>

```

3.3.8.2 email_new.php

```

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

```

```

require_once  $_SERVER[ "DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

$query="SELECT * FROM contact WHERE seen=0";
$prepare=$connection->prepare($query);
try{
    if($prepare->execute()){
        $code=200;
        $data=$prepare->fetchAll();
    }
}
catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}

echo json_encode($data);
http_response_code($code);
?>
```

3.3.8.3 email_readed.php

```

<?php
session_start();
header("Content-type: application/json");
require_once  $_SERVER[ "DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

$query="SELECT * FROM contact WHERE seen=1";
$prepare=$connection->prepare($query);
try{
    if($prepare->execute()){
        $code=200;
        $data=$prepare->fetchAll();
    }
}
catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}

echo json_encode($data);
http_response_code($code);
?>
```

3.3.8.4 email_update.php

```

<?php
session_start();
header("Content-type: application/json");
require_once  $_SERVER[ "DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";
```

```

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"]) && isset($_POST["idContact"])){
    $idContact=$_POST["idContact"];
    $query="UPDATE contact SET seen=1 WHERE idContact=?";
    $prepare=$connection->prepare($query);
    try{
        if($prepare->execute([$idContact])){
            $code=204;
        }
    }
    catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}

echo json_encode($data);
http_response_code($code);
?>

```

3.3.8.5 export_excel.php

```

<?php
ob_clean();
header("Content-Type: application/vnd.ms-excel");
header("Content-Disposition: attachment; filename=agents.xls");
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";
$query="SELECT * FROM user WHERE idRole=1";
$agents=ExecuteQuery($query);

$excel = new COM("Excel.Application") or die('Connection to excel failed');
$excel->Visible = 1;
$excel->DisplayAlerts = 1;
$workbook = $excel->Workbooks->Add();

$sheet = $workbook->Worksheets('Sheet1');
$sheet->activate;
$br = 2;
$field = $sheet->Range("A1");
$field->activate;
$field->value = "First name";
$field = $sheet->Range("B1");
$field->activate;
$field->value = "Last name";
$field = $sheet->Range("C1");
$field->activate;
$field->value = "Phone number";
$field = $sheet->Range("D1");
$field->activate;
$field->value = "Email";

foreach($agents as $a){
    $field = $sheet->Range("A{$br}");
    $field->activate;
    $field->value = $a->firstName;
}

```

```

$field = $sheet->Range("B{$br}");
$field->activate;
$field->value = $a->lastName;
$field = $sheet->Range("C{$br}");
$field->activate;
$field->value = $a->phone;
$field = $sheet->Range("D{$br}");
$field->activate;
$field->value = $a->email;
$br++;
}

$field = $sheet->Range("E1");
$field->activate;
$field->value = $br-1;

$file = tempnam(sys_get_temp_dir(), "excel");
$workbook->SaveAs($file, -4143);
$workbook->Save();
$workbook->Saved=true;
$workbook->Close;
$excel->Workbooks->Close();
$excel->Quit();

readfile($file);
unlink($file);

unset($sheet);
unset($workbook);
unset($excel);
?>
```

3.3.8.6 functions.php

```

<?php
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";
error_reporting(0);
function user_get_one($id)
{
    global $connection;
    $query="SELECT * FROM user WHERE idUser=?";
    $prepare=$connection->prepare($query);
    $prepare->execute([$id]);
    $user=$prepare->fetch();
    if($user){
        return $user;
    }else{
        header("Location: 404.php");
    }
}
function page_access_proc(){
$array=[];
$total=0;
$home=0;
$properties=0;
$sell=0;
$form=0;
$contact=0;
```

```

$author=0;
$register=0;
$property=0;
$day_ago=strtotime("1 day ago");

@$file=file(LOG_FILE);
if(count($file)){

foreach($file as $i){
    $part=explode("\t",$i);
    $url=explode(".php", $part[0]);
    $page="";
    $page=explode("&", $url[1]);

    if(strtotime($part[1])>=$day_ago){
        switch($page[0]){
            case "":$home++;$total++;;break;
            case "?page=home":$home++;$total++;;break;
            case "?page=properties":$properties++;$total++;;break;
            case "?page=sell":$sell++;$total++;;break;
            case "?page=form":$form++;$total++;;break;
            case "?page=contact":$contact++;$total++;;break;
            case "?page=author":$author++;$total++;;break;
            case "?page=register":$register++;$total++;;break;
            case "?page=property":$property++;$total++;;break;
            default:$home++;$total++;;break;
        }
    }
}

if($total>0){
    $array["Home"]=round($home*100/$total,2);
    $array["Properties"]=round($properties*100/$total,2);
    $array["Sell"]=round($sell*100/$total,2);
    $array["Form"]=round($form*100/$total,2);
    $array["Contact"]=round($contact*100/$total,2);
    $array["Author"]=round($author*100/$total,2);
    $array["Register"]=round($register*100/$total,2);
    $array["Property"]=round($property*100/$total,2);
}

}
return $array;
}

?>

```

3.3.8.7 send_mail.php

```

<?php
session_start();
header("Content-type: application/json");
require "../../config/connection.php";
$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"])){

$firstName=trim($_POST["firstName"]);
$lastName=trim($_POST["lastName"]);

```

```

$email=trim($_POST["email"]);
$subject=trim($_POST["subject"]);
$message=trim($_POST["message"]);

$errors=[];

if(!preg_match("/^[\u0410-\u0421\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430]{2,15}([\u041f\u0435\u0440\u0435\u0434\u043d\u044c\u043e\u0433\u043e \u0410-\u0421\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430]{2,15})*/$, $firstName)){
    $errors[]="The first name is not in good format";
}
if(!preg_match("/^[\u0410-\u0421\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430]{2,19}([\u041f\u0435\u0440\u0435\u0434\u043d\u044c\u043e\u0433\u043e \u0410-\u0421\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430]{2,19})*/$, $lastName)){
    $errors[]="The last name is not in good format";
}
if(!preg_match("/^\w+([\u041f\u0435\u0440\u0435\u0434\u043d\u044c\u043e\u0433\u043e \u0410-\u0421\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430]{2,19})*/", $subject)){
    $errors[]="The subject is not in good format";
}
if(!preg_match("/^[\u041f\u0435\u0440\u0435\u0434\u043d\u044c\u043e\u0433\u043e \u0410-\u0421\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430]{2,19}([\u041f\u0435\u0440\u0435\u0434\u043d\u044c\u043e\u0433\u043e \u0410-\u0421\u043d\u0430\u0437\u043e\u0431\u043e\u0437\u0430]{2,19})*/", $message)){
    $errors[]="The message is not in good format";
}
if(!filter_var($email, FILTER_VALIDATE_EMAIL)){
    $errors[]="The email is not in good format";
}

if(count($errors)){
    $data=[ "errors"=>$errors];
    $code=422;
}
else{
    $seen=0;
    $query="INSERT INTO contact VALUES(null, ?, ?, ?, ?, ?, ?, DEFAULT, ?)";
    $prepare=$connection->prepare($query);
    try{
        if($prepare->execute([$firstName, $lastName, $email, $subject, $message, $seen])){
            $code=201;
            $data=[ "success"=>"You have successfully sent the mail"];
            $to="nemanjamaksimovic13081999@gmail.com";
            $text=$firstName." ".$lastName."\n".$message;
            $header="From: http://www.projekti.epizy.com";
            mail($to, $subject, $text, $header);
        }
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}
echo json_encode($data);
http_response_code($code);
?>
```

3.3.8.8 update.php

```

<?php
session_start();
header("Content-type: application/json");
require "../config/connection.php";
```

```

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"]) && isset($_POST["user"])){
    $errors=[];
    $roleAgent=3;

    $firstName=trim($_POST["firstName"]);
    $lastName=trim($_POST["lastName"]);
    $password=trim($_POST["password"]);
    if($_POST["submit"]=="user"){
        $passwordConfirm=trim($_POST["passwordConfirm"]);
        $passwordConfirm=md5($passwordConfirm);
        $querySelect="SELECT * FROM user WHERE password=?";
        $prepareSelect=$connection->prepare($querySelect);
        $prepareSelect->execute([$passwordConfirm]);
        if($prepareSelect->rowCount()!==1){
            $errors[]="A user with this password does not exist";
        }
    }else{
        $idRole=trim($_POST["role"]);
    }
    $phoneNumber=trim($_POST["phoneNumber"]);
    $email=trim($_POST["email"]);
    $userId=trim($_POST["user"]);

    if(!preg_match("/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,15})(\s[A-ZŠĐŽĆĆ][a-zA-Zđžćć]{2,15})*$/", $firstName)){
        $errors[]="The name is not in good format";
    }
    if(!preg_match("/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,19})(\s[A-ZŠĐŽĆĆ][a-zA-Zđžćć]{2,19})*$/", $lastName)){
        $errors[]="The first name is not in good format";
    }
    if(empty($password)){
        if(!preg_match("/^\w{10,}$/, $password)){
            $errors[]="The last name is not in good format";
        }
    }
    if(!preg_match("/^+\d{7,20}$/", $phoneNumber)){
        $errors[]="The password is not in good format";
    }
    if(!filter_var($email, FILTER_VALIDATE_EMAIL)){
        $errors[]="The email is not in good format";
    }
}

if(count($errors)){
    $data=[ "errors"=>$errors];
    $code=422;
}
else{

    if($_POST["submit"]=="user"){
        $query="UPDATE user SET firstName=?, lastName=?, phone=?, email=?";
        if(!empty($password)){
            $query.=", password=?";
        }
        $query.=" WHERE idUser=? AND password=?";
    }
}

```

```

        $prepare=$connection->prepare($query);
    }else{
        $query="UPDATE user SET firstName=?, lastName=?, phone=?, email=?, idRole=?";
        if(!empty($password)){
            $query.=", password=?";
        }
        $query.=" WHERE idUser=?";
        $prepare=$connection->prepare($query);
    }

try{
    if($_POST["submit"]=="user"){
        if(!empty($password)){
            $password=md5($password);
            if($prepare-
>execute([$firstName, $lastName, $phoneNumber, $email, $password, $userId, $passwordConfirm])){
                $code=200;
            }else{
                $code=422;
                $data=[ "error"=>"A user with this password does not exist"];
            }
        }else{
            if($prepare-
>execute([$firstName, $lastName, $phoneNumber, $email, $userId, $passwordConfirm])){
                $code=200;
            }else{
                $code=422;
                $data=[ "error"=>"A user with this password does not exist"];
            }
        }
    }else{
        if(!empty($password)){
            $password=md5($password);
            if($prepare-
>execute([$firstName, $lastName, $phoneNumber, $email, $idRole, $password, $userId])){
                $code=200;
            }else{
                if($prepare-
>execute([$firstName, $lastName, $phoneNumber, $email, $idRole, $userId])){
                    $code=200;
                }else{
                    if($idRole==$roleAgent){
                        $queryAgentInsert="INSERT INTO agent VALUES(null, '', ?, null, '', DEFAULT)";
                        $prepareAgentInsert=$connection->prepare($queryAgentInsert);
                        $prepareAgentInsert->execute([$userId]);
                    }
                }
            }catch(PDOException $e){
                $code=500;
                $data=[ "error_message"=>"An error has occurred, please try again later"];
                writeError($e->getMessage());
            }
        }
    }
}
}

```

```

echo json_encode($data);
http_response_code($code);
?>

```

3.3.8.9 user_get_all.php

```

<?php
    session_start();
    header("Content-type: application/json");
    require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

    $data=[ "error_message"=>"An error has occurred, bad request"];
    $code=400;

    if(isset($_POST["idRole"])){
        $idRole=$_POST["idRole"];
        $query="SELECT * FROM user WHERE idRole=?";
        $prepare=$connection->prepare($query);
        try{
            if($prepare->execute([$idRole])){
                $code=200;
                $data=$prepare->fetchAll();
            }
        }
        catch(PDOException $e){
            $code=500;
            $data=[ "error_message"=>"An error has occurred, please try again later"];
            writeError($e->getMessage());
        }
    }

    echo json_encode($data);
    http_response_code($code);
?>

```

3.3.8.10 user_get_one.php

```

<?php
    session_start();
    header("Content-type: application/json");
    require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

    $data=[ "error_message"=>"An error has occurred, bad request"];
    $code=400;

    if(isset($_POST["idUser"]) && isset($_POST["submit"])){
        $idUser=$_POST["idUser"];
        $query="SELECT * FROM user WHERE idUser=?";
        $prepare=$connection->prepare($query);
        $queryRole="SELECT * FROM role";
        try{
            if($prepare->execute([$idUser])){
                $code=200;
                $data["user"]=$prepare->fetch();
                $data["role"]=ExecuteQuery($queryRole);
            }
        }
        catch(PDOException $e){

```

```

        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }

}

echo json_encode($data);
http_response_code($code);
?>

```

3.3.9 Visit

3.3.9.1 agent_visit_get.php

```

<?php
session_start();
header("Content-type: application/json");
require_once  $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["id"])){
    $id=$_POST["id"];
    $query="SELECT * FROM agent_visit av INNER JOIN visit v ON av.idVisit=v.idVisit INNER JOIN
real_estate rs ON rs.idRealEstate=v.idRealEstate INNER JOIN city ct ON rs.idCity=ct.idCity INNER
JOIN country c ON c.idCountry=ct.idCountry INNER JOIN price p ON p.idPrice=(SELECT idPrice FROM
price WHERE rs.idRealEstate=idRealEstate ORDER BY date DESC LIMIT 1) INNER JOIN image i ON i.idIm
age=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) INNER
JOIN property_type pt ON pt.idPropertyType=rs.idPropertyType INNER JOIN category cat ON cat.idCa
tegory=rs.idCategory INNER JOIN user u ON u.idUser=v.idUser WHERE rs.approved=1 AND rs.deleted=0
AND av.idAgentVisit NOT IN (SELECT vo.idAgentVisit FROM visit_outcome vo INNER JOIN agent_visit a
v ON av.idAgentVisit=vo.idAgentVisit) AND av.idAgent=?";
    $prepare=$connection->prepare($query);
    $queryOutcome="SELECT * FROM outcome";
    $prepareOutcome=$connection->prepare($queryOutcome);
    $queryAgent="SELECT * FROM agent WHERE idUser=?";
    $prepareAgent=$connection->prepare($queryAgent);
    try{
        $prepareAgent->execute([$id]);
        $idAgent=$prepareAgent->fetch()->idAgent;
        if($prepare->execute([$idAgent]) && $prepareOutcome->execute()){
            $code=200;
            $data[ "visits"]=$prepare->fetchAll();
            $data[ "outcome"]=$prepareOutcome->fetchAll();
        }
    }
    catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}

```

```

echo json_encode($data);
http_response_code($code);
?>

```

3.3.9.2 agent_visit_insert.php

```

<?php
session_start();
header("Content-type: application/json");
require "../../config/connection.php";
$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"])){
    $idAgent=trim($_POST["agent"]);
    $idVisit=trim($_POST["visit"]);

    $errors=[];

    if(empty($idAgent)){
        $errors[]="You must choose the agent";
    }
    if(empty($idVisit)){
        $errors[]="You are not submited the form";
    }

    if(count($errors)){
        $data=[ "errors"=>$errors];
        $code=422;
    }
    else{
        $query="INSERT INTO agent_visit VALUES (null, ?, ?)";
        $prepare=$connection->prepare($query);

        $queryEmailAgent="SELECT email FROM user u INNER JOIN agent a ON a.idUser=u.idUser WHERE a.idAgent=?";
        $prepareEmailAgent=$connection->prepare($queryEmailAgent);

        $querySelectVisit="SELECT * FROM visit v INNER JOIN user u ON u.idUser=v.idUser INNER JOIN real_estate rs ON rs.idRealEstate=v.idRealEstate WHERE v.idVisit=?";
        $prepareSelectVisit=$connection->prepare($querySelectVisit);
        try{
            if($prepare->execute([$idVisit, $idAgent])){
                $code=201;
                $data=[ "success"=>"You have successfully assigned agent"];
            }
            if($prepareEmailAgent->execute([$idAgent]) && $prepareSelectVisit->execute([$idVisit])){
                $to=$prepareEmailAgent->fetch()->email;
                $info=$prepareSelectVisit->fetch();
                $dateFromat=date("l jS \of M Y H:i", strtotime($info->dateVisit." ".$info->time));
                $message="You have been assigned to the visit of property $info->title, $info->address for the $dateFromat \nClient= $info->firstName $info->lastName\nContact: $info->phone, $info->email";
                $subject="Assign to the visit";
                mail($to,$subject,$message);
            }
        }
    }
}

```

```

        }
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}
echo json_encode($data);
http_response_code($code);
?>
```

3.3.9.3 visit_get_all.php

```

<?php
session_start();
header("Content-type: application/json");
require_once $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt/config/connection.php";

$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

$query="SELECT * FROM visit v INNER JOIN real_estate rs ON rs.idRealEstate=v.idRealEstate INNER JOIN city ct ON rs.idCity=ct.idCity INNER JOIN country c ON c.idCountry=ct.idCountry INNER JOIN price p ON p.idPrice=(SELECT idPrice FROM price WHERE rs.idRealEstate=idRealEstate ORDER BY date DESC LIMIT 1) INNER JOIN image i ON i.idImage=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) INNER JOIN property_type pt ON pt.idPropertyType=rs.idPropertyType INNER JOIN category cat ON cat.idCategory=rs.idCategory INNER JOIN user u ON u.idUser=v.idUser WHERE rs.approved=1 AND rs.deleted=0 AND v.idVisit NOT IN (SELECT vi.idVisit FROM visit vi INNER JOIN agent_visit av ON av.idVisit=vi.idVisit)";
$prepare=$connection->prepare($query);
$queryAgents="SELECT * FROM agent a INNER JOIN user u ON u.idUser=a.idUser WHERE idType=1";
$prepareAgents=$connection->prepare($queryAgents);
try{
    if($prepare->execute() && $prepareAgents->execute()){
        $code=200;
        $data[ "visits"]=$prepare->fetchAll();
        $data[ "agents"]=$prepareAgents->fetchAll();
    }
}
catch(PDOException $e){
    $code=500;
    $data=[ "error_message"=>"An error has occurred, please try again later"];
    writeError($e->getMessage());
}

echo json_encode($data);
http_response_code($code);
?>
```

3.3.9.4 visit_outcome_insert.php

```

<?php
session_start();
header("Content-type: application/json");
require "../config/connection.php";
$data=[ "error_message"=>"An error has occurred, bad request"];
```

```

$code=400;

if(isset($_POST["submit"])){
    $idOutcome=trim($_POST["outcome"]);
    $outcomeDescription=trim($_POST["outcomeDescription"]);
    $idVisit=trim($_POST["visit"]);

    $errors=[];

    if(empty($idOutcome)){
        $errors[]="You must choose the outcome";
    }
    if(empty($idVisit)){
        $errors[]="You are not submited the form";
    }
    if(empty($outcomeDescription)){
        $errors[]="You must enter the description";
    }

    if(count($errors)){
        $data=[ "errors"=>$errors];
        $code=422;
    }
    else{
        $query="INSERT INTO visit_outcome VALUES (null, ?, ?, ?, DEFAULT)";
        $prepare=$connection->prepare($query);

        $queryAgentVisit="SELECT * FROM agent_visit WHERE idVisit=?";
        $prepareAgentVisit=$connection->prepare($queryAgentVisit);

        $queryDeleteProperty="UPDATE real_estate rs INNER JOIN visit v ON rs.idRealEstate=v.idRealEstate INNER JOIN agent_visit av ON av.idVisit=v.idVisit SET rs.deleted=1 WHERE av.idAgentVisit IN (SELECT idAgentVisit FROM visit_outcome WHERE idOutcome!=3)";
        $prepareDeleteProperty=$connection->prepare($queryDeleteProperty);
        try{
            $prepareAgentVisit->execute([$idVisit]);
            $AgentVisit=$prepareAgentVisit->fetch();
            $idAgentVisit=$AgentVisit->idAgentVisit;
            if($prepare->execute([$idAgentVisit, $idOutcome, $outcomeDescription])){
                $prepareDeleteProperty->execute([$idVisit]);
                $code=201;
                $data=[ "success"=>"You have successfully inserted outcome"];
            }
        }catch(PDOException $e){
            $code=500;
            $data=[ "error_message"=>"An error has occurred, please try again later"];
            writeError($e->getMessage());
        }
    }
}
echo json_encode($data);
http_response_code($code);
?>

```

3.3.9.5 visit.php

<?php

```

session_start();
header("Content-type: application/json");
require "../../config/connection.php";
$data=[ "error_message"=>"An error has occurred, bad request"];
$code=400;

if(isset($_POST["submit"])){
    $date=$_POST["date"];
    $time=$_POST["time"];
    $idRealEstate=$_POST["property"];
    $idUser=$_POST["user"];

    $errors=[ ];

    if(!preg_match("/^\\d{4}-\\d{2}-\\d{2}$/, $date)){
        $errors["errorDate"]=true;
    }else{
        if(strtotime($date)<=time()){
            $errors["errorDate"]=true;
        }
    }
    if(!preg_match("/^\\d{2}:\\d{2}$/, $time)){
        $errors["errorTime"]=true;
    }
}

if(count($errors)){
    $data=[ "errors"=>$errors];
    $code=422;
}
else{
    $querySelectUser="SELECT * FROM user WHERE idUser=?";
    $querySelectRS="SELECT * FROM real_estate WHERE idRealEstate=? AND idUser!=?";
    $prepareSelectUser=$connection->prepare($querySelectUser);
    $prepareSelectRS=$connection->prepare($querySelectRS);

    $query="INSERT INTO visit VALUES(null, ?, ?, ?, ?, ?)";
    $prepare=$connection->prepare($query);
    try{
        $prepareSelectUser->execute([$idUser]);
        $prepareSelectRS->execute([$idRealEstate,$idUser]);
        if($prepareSelectUser->rowCount()==1 && $prepareSelectRS->rowCount()==1){
            if($prepare->execute([$date, $time, $idUser, $idRealEstate])){
                $code=201;
                $data=[ "success"=>"You have successfully scheduled a visit"];
                $to=$prepareSelectUser->fetch()->email;
                $real_estate=$prepareSelectRS->fetch();
                $dateFromat=date("l jS \of M Y H:i", strtotime($date." ".$time));
                $message="You have successfully scheduled a visit to the property $real_estate->title, $real_estate->address for the $dateFromat";
                $subject="Scheduling a visit";
                mail($to,$subject,$message);
            }
        }
    }catch(PDOException $e){
        $code=500;
        $data=[ "error_message"=>"An error has occurred, please try again later"];
        writeError($e->getMessage());
    }
}
}

```

```

    }
    echo json_encode($data);
    http_response_code($code);
?>

```

3.3.10 Head

3.3.10.1 functions.php

```

<?php

function meta_data_get($page)
{
    $meta = [
        "home" => ["title" => "Real Estate | Homes for Sale, Purchase and Rental", "description" => "Site number 1 for real estates in Serbia! Advertisements for renting and selling apartments, houses, shops, offices, business premises in Belgrade, Serbia and abroad.", "keywords" => "Real Estate, House, Apartment, Buy, Rent, Agents"],
        "properties" => ["title" => "Real Estate | Properties for sell and rent", "description" => "The largest selection of real estate for sale and rent in the entire Balkans!", "keywords" => "House, Apartment, Buy, Rent"],
        "sell" => ["title" => "Real Estate | Sell and lease your property", "description" => "Sell your property quickly and safely, very easily with the help of our agents", "keywords" => "Property, Sell, lease"],
        "contact" => ["title" => "Real Estate | Contact", "description" => "Contact us if you have any additional questions or need additional instructions on selling / renting a property", "keywords" => "Contact, Address, Phone, Email"],
        "author" => ["title" => "Real Estate | Author", "description" => "The author of this website is Nemanja Maksimovic", "keywords" => "Author, Nemanja, Maksimovic"],
        "editProperty" => ["title" => "Real Estate | Edit your property", "description" => "You can here change all informations about your property", "keywords" => "Edit, Property, Address, Title"],
        "form" => ["title" => "Real Estate | Form for adding real estate ads", "description" => "Add your real estate ad on number 1 site for real estates in Serbia!", "keywords" => "Edit, Property, Address, Title"],
        "property" => ["title" => "Real Estate | Property", "description" => "Always the best offers for the lowest prices with the greatest security and the least time!", "keywords" => "Property, Real Estate, House, Apartment"],
        "register" => ["title" => "Real Estate | Registration form", "description" => "Register now. On the best site for buying and selling real estate", "keywords" => "Register, Name, Email, Password"],
        "userProperty" => ["title" => "Real Estate | Properties", "description" => "All your real estate in one place, easy insight, modification and deletion of your ads", "keywords" => "House, Apartment, Price, Properties"]
    ];
    return $meta[$page];
}

?>

```

3.4 Config

3.4.1 config.php

```
<?php

define("ABSOLUTE_PATH", $_SERVER["DOCUMENT_ROOT"]."/praktikum_php_sajt");

define("ENV_FILE", ABSOLUTE_PATH."/config/.env");
define("LOG_FILE", ABSOLUTE_PATH."/data/log.txt");
define("LOGIN_FILE", ABSOLUTE_PATH."/data/login.txt");
define("ERROR_FILE", ABSOLUTE_PATH."/data/error.txt");

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

function env($name){
    $data = file(ENV_FILE);
    $vrednost = "";
    foreach($data as $key=>$value){
        $config = explode("=", $value);
        if($config[0]==$name){
            $vrednost = trim($config[1]);
        }
    }
    return $vrednost;
}
```

3.4.2 connection.php

```
<?php

require_once "config.php";

zabeleziPristupStranici();

try{
    $connection=new PDO("mysql:host=".SERVER.";dbname=".DATABASE.";charset=UTF8", USERNAME, PASSWORD);
    $connection->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
    $connection->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE, PDO::FETCH_OBJ);
}catch(PDOException $e){
    echo $e->getMessage();
}

function ExecuteQuery($query){
    global $connection;
    return $connection->query($query)->fetchAll();
}

function zabeleziPristupStranici(){
    $open = fopen(LOG_FILE, "a");
    $date = date('d-m-Y H:i:s');
```

```

        fwrite($open, "{$_SERVER['REQUEST_URI']}\\t{$date}\\t{$_SERVER['REMOTE_ADDR']}\\t\\n");
        fclose($open);
    }
    function writeError($error){
        @$open=fopen(ERROR_FILE,"a");
        $write=$error."\\t".date('d-m-Y H:i:s')."\\n";
        @fwrite($open,$write);
        @fclose($open);
    }
?>

```

3.5 Assets

3.5.1 style.css

```

@import url('https://fonts.googleapis.com/css?family=Poppins&display=swap');
*{
    margin: 0px;
    padding: 0px;
    box-sizing: border-box;
}
html{
    overflow-x: hidden;
    scroll-behavior: smooth;
}
.flex, .flex1, .flex2, .flex3{
    display: flex;
}
.flex1, .flex2{
    justify-content: space-between;
    align-items: center;
}
.flex2{
    justify-content: center;
    flex-direction: column;
}
.flex3{
    flex-direction: column;
}
.flexWrap{
    flex-wrap: wrap;
}
ul{
    list-style-type: none;
}
li{
    display: inline-block;
}
a{
    text-decoration: none;
    color: black;
}
#topHeader{
    padding: 5px;
    background-color: rgb(43, 65, 187);
    color: white;
}

```

```

        text-align: center;
    }
    #topHeader a{
        margin: 0px 5px;
        color: white;
        font-size: 18px;
    }
    header{
        height: 60px;
    }
    #logo img{
        height: 60px;
        width: auto;
    }
    #header a{
        padding-bottom: 17px;
    }
    #nav a{
        margin: 0px 15px;
    }
    #navLog li:nth-child(odd){
        padding: 5px;
    }
    #navLog a{
        padding-bottom: 14px;
    }
    #header a:hover{
        border-bottom: 2px solid blue;
    }
    .blok{
        width: 23% !important;
        margin: 1%;
        height: 250px;
        border:1px solid rgba(216, 216, 216, 0.801);
        white-space: nowrap;
        overflow: hidden;
        text-overflow: ellipsis;
    }
    .blokSlika{
        position: relative;
    }
    .blok:hover{
        box-shadow: 5px 5px 10px gray;
    }
    h1,h2,h3{
        font-family: 'Poppins', sans-serif;
    }
    .blok p{
        padding: 2.5px 0px 0px 10px;
    }
    .blok .new{
        color:white;
        background-color: green;
        position: absolute;
        left: 3px;
        top: 5px;
        padding: 2px;
    }
    .price{
        color:white;

```

```

        position: absolute;
        left: 10px;
        bottom: 5%;
        z-index: 10;
        font-size: 18px;
    }
    .row{
        height: 100%;
    }
    #sellContainer{
        margin: 20px 0px;
        height: 500px;
        background-image: url(..../images/sell.jpg);
        background-repeat: no-repeat;
        background-size: cover;
        background-position: center;
    }
    #sell{
        align-items: center;
        justify-content: center;
        flex-direction: column;
        color: white;
    }
    #sell h2{
        font-weight: normal;
    }
    #newest .blokSlika{
        height: 50%;
        overflow: hidden;
    }
    #newest .blokSlika img{
        width: 100%;
        height: 100%;
    }
    #sell h3{
        width: 60%;
        font-size: 22px;
        text-align: center;
        margin: 15px 0px;
        font-weight: normal;
    }
    #sell a{
        border: 1px solid white;
        margin-top: 30px;
        padding: 5px 18px;
        color: white;
        transition: 0.3s;
    }
    #sell a:hover{
        color: #333;
        background-color: white;
    }
    .naslov2{
        text-align: center;
        font-size: 40px;
        padding-bottom: 50px;
    }
    .naslov{
        padding-top: 40px;
    }

```

```

#agenti{
    margin: 20px 0px;
    text-align: center;
}
#agenti h2{
    margin-bottom: 30px;
}
.agentSlika img{
    width: 150px;
    height: 150px;
    margin-bottom: 20px;
}
.agentText{
    position: relative;
    padding: 20px;
    border-left: 1px solid rgba(155, 155, 155, 0.5);
    align-items: center;
}
.crtal{
    height: 35px;
    background-color: rgb(43, 65, 187);
    width: 3px;
    border-radius: 10px;
    position: absolute;
    left: -1.8px;
}
.crtal2{
    height: 3px;
    background-color: rgb(43, 65, 187);
    width: 45px;
    margin: 10px 0px;
}
.agentIme{
    font-size: 20px;
}
.text{
    padding: 40px;
}
.text p{
    font-size: 18px;
    margin: 25px 0px;
}
#modalLogoImg{
    align-items: center;
}
#modalLogo{
    width: 100px;
}
#about, #imagePreview{
    overflow-x: hidden;
}
#about, #formContainer, #formRegister, #userProperty{
    padding: 40px;
    background-color: rgba(216, 216, 216, 0.1);
    border-top: 1px solid rgba(155, 155, 155, 0.5);
}
#backgroundInfo{
    height: 370px;
    background-image: url(..../images/background.jpg);
    background-attachment: fixed;
}

```

```

background-repeat: no-repeat;
background-size: cover;
color: white;
}
#backgroundInfo h3{
    margin-top: 10px;
    font-size: 55px;
}
#partneri{
    padding: 40px;
}
#partneri div.col-3{
    padding: 10px;
    text-align: center;
}
#footer{
    position: relative;
    background-image: url(..../images/background2.jpg);
    background-attachment: fixed;
    background-size: cover;
    background-repeat: no-repeat;
    flex-wrap: wrap;
    min-height: 400px;
    color: white;
}
.blokFooter img{
    width: 180px;
    float: left;
    padding: 10px 10px 10px 0px;
}
#footer a{
    color: white;
    transition: 0.3s;
}
#footer a:hover{
    color:rgb(43, 65, 187);
}
.blokFooter{
    padding: 30px;
    line-height: 2;
}
.blokFooter p{
    margin: 10px;
}
#soc a{
    display: flex;
    justify-content: center;
    align-items: center;
    margin: 8px;
    padding: 18px;
    position: relative;
    font-size: 14px;
    width: 40px;
    height: 40px;
    line-height: 40px;
    color: #bbb;
    text-align: center;
    background: transparent;
}
#soc a:before, #soc a:after {

```

```

content: "";
display: block;
position: absolute;
background: transparent;
top: 2px;
bottom: 2px;
left: 2px;
right: 2px;
transition: .3s all;
border: 1px solid rgb(248, 243, 243);
}
#soc a:hover:after {
    border-color: rgb(248, 243, 243);
}
#soc a:hover:before {
    transform: scale(1.5);
    transition: .3s all;
    opacity: 0;
}
#copyright{
    color: #bbb;
}
#goUp{
    position: absolute;
    top: -25px;
    left: 47%;
    z-index: 10;
    width: 60px;
    height: 60px;
    background-color: rgb(43, 65, 187);
    border-radius: 50%;
    color: white;
}
#effect{
    animation: move 2s;
    animation-iteration-count: infinite;
    animation-play-state: running;
    position: absolute;
    left: 40%;
}
.fa-heart:hover{
    color: rgb(255, 66, 66);
}
.mojModal a{
    color: rgb(43, 65, 187);
}
.mojModalContainer{
    position: fixed;
    top: 20%;
    height: 300px;
    z-index: 100;
    animation: animatetop 0.5s;
}
.mojModal .closeModal:hover{
    color: #333;
}
.mojModal{
    margin: 0px auto;
    position: relative;
    max-width: 400px;
}

```

```

        background-color: white;
        border: 1px solid rgba(216, 216, 216, 0.3);
    }
    .modalContent{
        font-size: 18px;
        margin: 10px;
        padding-bottom: 40px;
    }
    .modalContent span, .modalContent input{
        width: 70%;
        display: flex;
        align-items: center;
    }
    .modalContent input, #contactForm input{
        margin: 20px;
        border: none;
        border-bottom: 1px solid #4d4d4d;
        height: 30px;
    }
    .modalFooter input, .posalji{
        padding: 8px 12px;
        background-color: white;
        color: rgb(43, 65, 187);
        border: 1px solid rgb(43, 65, 187);
        transition: 0.3s;
    }
    .modalFooter input, #searchForm form input[type=number]{
        width: 80%;
    }
    .search{
        margin-top: 8px;
    }
    .modalFooter input:hover, .posalji:hover, #visit input[type=button]:hover{
        background-color: rgb(43, 65, 187);
        color: white;
    }
    .modalHeader{
        align-items: initial;
        background-color: rgb(43, 65, 187);
        color:white;
        padding: 20px;
    }
    .modalFooter{
        padding-bottom: 30px;
        text-align: center;
    }
    .textLoginRegister{
        font-size: 14px;
        margin: 5px 0px;
    }
    input{
        outline: none;
    }
    #nekretnine, #nekretnine2, #paginationContainer{
        background-color: rgba(216, 216, 216, 0.1);
        padding: 40px;
    }
    .nekretnina, #searchForm, .email{
        background-color: white;
    }

```

```

        padding: 20px;
        margin: 30px auto;
    }
    .nekretnina>div{
        padding: 20px;
    }
    .nekretnina h4{
        font-size: 30px;
        color:rgb(43, 65, 187);
    }
    .nekretnina h3:hover{
        color: rgb(43, 65, 187);
    }
    .info{
        background-color: rgb(43, 65, 187);
        color:white;
        padding: 10px;
        font-size: 14px;
        text-align: center;
        margin-right: 10px;
    }
    .tekst>p{
        padding: 5px 0px 10px 0px;
        color: #8a8989;
    }
    .tekst{
        display: flex;
        flex-direction: column;
        justify-content: space-around;
    }
    .slika{
        position: relative;
    }
    .slika .sellRent{
        background-color: rgb(43, 65, 187);
        position: absolute;
        color: white;
        font-size: 12px;
        top: 40px;
        right: 20px;
        padding: 5px 10px;
    }
    .nekretnina:hover{
        box-shadow: 5px 5px 10px rgba(155, 155, 155, 0.5);
    }
    #mapa{
        padding: 0px;
        margin-bottom: 30px;
    }
    #mapa iframe{
        width: 100%;
        height: 400px;
    }
    #contact{
        padding: 50px 40px 120px 40px;
    }
    .agentContact a{
        color: #8a8989;
        margin-top: 6px;
    }
}

```

```

.agentContact{
    justify-content: space-around;
    width: 160px;
    margin: 10px 0px 50px 0px;
}
.agentContact a{
    display: flex;
    justify-content: center;
    align-items: center;
    font-size: 12px;
    width: 30px;
    height: 30px;
    border: 1px solid #8a8989;
    transition: 0.3s;
}
.agentContact a:hover{
    background-color: rgb(43, 65, 187);
    color: white;
}
#contactForm label{
    width: 50%;
}
#contactForm{
    flex-wrap: wrap;
}
#contactForm>div{
    padding: 10px;
}
.greska{
    display: none;
}
#firstNameContact, #lastNameContact{
    width: 50%;
}
#subject, #message, #searchForm form div.col-2 input, .blokReg input, #formEdit select, #formContainer form, #userProperty img{
    width: 100%;
}
#contactForm input, .listingDetails input, .listingDetails select{
    width: 100%;
    margin: 0px;
}
textarea{
    resize: none;
}
#contactInfo{
    justify-content: space-around;
    flex-direction: column;
}
#contactInfo p, .propertyInfo, #address, #propertyTypeCity{
    color: rgba(155, 155, 155, 0.9);
}
#searchForm{
    margin-top: 100px;
    position: relative;
    border: 1px solid rgba(155, 155, 155, 0.3);
}
#searchForm form{
    flex-wrap: wrap;
}

```

```

#searchForm form>div{
    padding: 10px 0px;
}
#searchForm form input,#searchForm form select{
    margin-right: 30px;
    padding: 10px;
    border-radius: 5px;
    border: 1px solid rgba(216, 216, 216);
    transition: 0.3s;
}
#searchForm form div.col-2{
    padding-right: 30px;
}
#searchForm form input:hover,#searchForm form select:hover{
    border: 1px solid black;
}
#searchForm form .posalji{
    margin-top: 32px;
    width: 90%;
    padding: 10px;
    border-radius: 5px;
}
#searchForm #bathrooms,#searchForm #bedrooms{
    width: 90%;
}
.searchH3{
    position: absolute;
    height: 50px;
    font-size: 22px;
    top: -50px;
    left: -1px;
    padding: 15px;
    background-color: rgb(43, 65, 187);
    color: white;
    border-radius: 5px 5px 0px 0px;
}
::selection{
    text-shadow: none;
    background-color: rgb(43, 65, 187);
    color: #fafafa;
}
#searchForm form select{
    -webkit-appearance: none;
}
#sellCover{
    height: 500px;
    background-image: url('../images/sellCover.jpg');
    background-size: cover;
    background-position: center;
    background-repeat: no-repeat;
    color: white;
}
#sellCoverText{
    justify-content: center;
    line-height: 2;
    padding: 10px;
}
#sellCoverText h1{
    font-size: 45px;
    margin-bottom: 20px;
}

```

```

        font-weight: bold;
    }
    .sellText{
        padding: 50px;
    }
    .sellText p{
        margin-top: 40px;
        color: rgba(155, 155, 155);
    }
    .broj{
        font-size: 50px;
        color: rgba(155, 155, 155, 0.5);
    }
    .sellSteps{
        padding: 30px;
    }
    .sellSteps>div{
        margin-top: 20px;
        align-items: center;
    }
    .sellSteps img{
        text-align: center;
        border: 1px solid rgb(43, 65, 187);
        border-radius: 50%;
        width: 150px;
    }
    .sellSteps .crtal{
        margin: 0px 15px;
        position: relative;
        height: 50px;
        width: 1px;
    }
    .sellStepsText{
        font-size: 20px;
    }
    .about{
        padding: 60px 0px;
    }
    .aboutBlock{
        padding: 20px;
    }
    .aboutBlock p{
        font-size: 15px;
        color: rgba(155, 155, 155);
    }
    .aboutBlock img{
        margin-right: 30px;
    }
    #fillInForm{
        margin: 20px 0px;
        height: 500px;
        background-image: url(..../images/fillInForm.jpg);
        background-repeat: no-repeat;
        background-size: cover;
        background-position: center;
    }
    #formContainer p, #formContainer label, #formRegister label, #formEdit select, .blokReg input{
        color: rgba(37, 37, 37, 0.5);
    }

```

```

#formContainer input, #formContainer select, #formContainer textarea, #agentType, #formEdit select, #agent, #outcomeDdl, #outcomeDescription, .blokReg input, #visit input, #imagePreview, #agentDesc{
    color:rgba(37, 37, 37, 0.5);
    border: 2px solid rgba(37, 37, 37, 0.2);
    padding: 5px;
    margin-bottom: 15px;
}
#formContainer input:focus, #formContainer select:focus, #agent:focus, #outcomeDdl:focus, #outcomeDescription:focus #formContainer textarea:focus, .blokReg input:focus, #formEdit select:focus, #agentType:focus, #agentDesc:focus{
    border: 2px solid rgba(37, 37, 37, 0.5);
}
.features, .listingDetails{
    flex-wrap: wrap;
}
.listingDetails, .features{
    justify-content: space-between;
}
.features span{
    width: 18%;
    margin: 1%;
    color:rgba(37, 37, 37, 0.5);
}
.features span label{
    margin-left: 5px;
}
.formInputs{
    padding: 20px 60px;
}
.formBlock{
    padding: 20px;
    border-bottom: 3px solid #eee;
    flex-wrap: wrap;
}
#submitProperty{
    color: white;
    border: 1px solid white;
    padding: 8px;
    width: 150px;
    text-align: center;
    margin-top: 25px;
    transition: 0.3s;
}
#submitProperty:hover{
    color: #333;
    background-color: white;
}
#formRegister form{
    width: 100%;
    flex-wrap: wrap;
    justify-content: space-between;
    padding: 60px;
}
#formRegister .posalji{
    margin-top: 20px;
    background-color: rgb(43, 65, 187);
    color: white;
}
#bars{

```

```

        float: right;
        padding: 17px 17px 0px 0px;
    }
    .bar1, .bar2, .bar3{
        width: 30px;
        height: 3px;
        background-color: rgb(43, 65, 187);
        border-radius: 15px;
        margin: 6px 0;
        transition: 0.4s;
    }
    .MeniBar .bar1 {
        transform: rotate(-45deg) translate(-6px, 6px);
    }
    .MeniBar .bar2 {
        opacity: 0;
    }
    .MeniBar .bar3 {
        transform: rotate(45deg) translate(-6px, -8px);
    }
    #header2{
        display: none;
        width: 100%;
        position: absolute;
        top: 97px;
        height: 100vh;
        left: 0px;
        z-index: 99;
        background-color: #fff;
        border-bottom: 2px solid rgba(155, 155, 155, 0.9);
        font-size: 18px;
    }
    #header2 nav ul{
        display: flex;
        height: 100vh;
        flex-direction: column;
        align-items: center;
    }
    #header2 nav ul li{
        padding: 15px;
    }
    #header2 nav ul li a{
        color: rgb(43, 65, 187);
        text-transform: uppercase;
    }
    #image{
        padding: 50px;
        padding-bottom: 0px;
    }
    #propertyTypeCity{
        padding: 10px 0px 50px 80px;
    }
    #propertyTitle{
        padding: 50px;
    }
    #visitContainer{
        height: 100%;
        position: absolute;
        width: 35%;
        top: 320px;
    }

```

```

        right: 10%;
        z-index: 50;
    }
    #visit{
        width: 100%;
        border: 1px solid rgba(155, 155, 155, 0.9);
        background-color: #fff;
        padding: 20px;
        position: sticky;
        top: 0px;
    }
    #visit input{
        width: 80%;
        margin-bottom: 40px;
    }
    #visit input[type=button]{
        border: 3px solid rgb(43, 65, 187);
        background-color: white;
        color: rgb(43, 65, 187);
        transition: 0.3s;
    }
    #date, #time{
        padding-left: 20px !important;
    }
    #visit>div{
        padding: 20px;
        border-bottom: 1px solid rgba(155, 155, 155, 0.9);
    }
    #property{
        padding: 50px;
    }
    #property>div{
        padding: 20px 0px;
    }
    #propertyInfo>span{
        width: 50%;
        padding: 12px;
    }
    #featuresProperty>p{
        padding-right: 10px;
    }
    #featuresProperty{
        align-items: center;
    }
    #visitFeatures{
        justify-content: space-around;
        margin-bottom: 50px;
    }
    #visitFeatures>span{
        width: 48%;
        padding: 7px;
        align-items: center;
        font-size: 15px;
    }
    #visitFeatures>span>i{
        margin-right: 8px;
    }
    .blue{
        color: rgb(43, 65, 187);
    }

```

```

.bold{
    font-weight: 500;
}
.featureProperty{
    padding: 10px;
    margin: 5px;
    background-color: rgba(216, 216, 216, 0.5);
}
#propertyContainer, #property{
    background-color: rgba(216, 216, 216, 0.1);
}
#address{
    font-size: 18px;
}
#titleProperty{
    font-size: 34px;
}
#paginacija{
    display: flex;
    align-items: center;
    justify-content: center;
    height: 200px;
}
.nano-content li{
    display: block;
}
.page{
    border: 1px solid rgba(155, 155, 155, 0.3);
    border-radius: 5px;
    margin-right: 10px;
    width: 30px;
    height: 30px;
    transition: 0.3s;
}
.page:hover{
    border: 1px solid rgb(43, 65, 187);
}
.aktivan{
    border: none;
    background-color: rgb(43, 65, 187);
    color: white !important;
}
.blokReg{
    position: relative;
}
.error{
    border-color: rgb(255, 66, 66) !important;
}
.errorText{
    color: rgb(255, 66, 66);
}
#formRegister ol{
    padding: 50px 0px;
}
#formRegister ol li{
    padding-top: 10px;
}
.oldPrice{
    color: rgba(155, 155, 155, 0.5);
    font-size: 18px;
}

```

```
    text-decoration: line-through;
}
#noResults{
  padding: 250px 0px;
  color: rgba(155, 155, 155, 0.5);
  font-size: 25px;
}
#captchaContainer{
  align-items: center;
}
.captchaTextContainer label, #captchaText{
  margin-bottom: 0px;
}
#loginEmailError, #loginPasswordError{
  font-size: 15px;
}
#images{
  border: none !important;
  margin-bottom: 0px !important;
}
.imagePreview, .editImages{
  width: 150px;
  height: 100px;
  padding: 10px;
}
.editImages img{
  width: 100%;
  height: 100%;
}
.editImages{
  position: relative;
}
.deleteImage{
  position: absolute;
  right: 0px;
  top: 5px;
  width: 25px;
  height: 25px;
  border-radius: 50%;
  color: rgb(90, 88, 88);
  background-color: rgb(216, 216, 216);
}
.profile{
  font-size: 24px;
  position: relative;
}
.profileLink{
  color: rgb(43, 65, 187);
  padding: 9px 15px 11px 15px !important;
}
.profilePopup{
  display: none;
  position: absolute;
  z-index: 80;
  right: -65px;
  width: 200px;
  height: 250px;
}
.profilePoint{
  position: absolute;
```

```

        transform: rotate(45deg);
        background-color: white;
        width: 30px;
        height: 30px;
        top: 15px;
        right: 80px;
        border-top: 1px solid rgba(155, 155, 155, 0.9);
        border-left: 1px solid rgba(155, 155, 155, 0.9);
        z-index: 101;
    }
.profileData{
    right: 0px;
    position: absolute;
    width: 100%;
    height: 150px;
    background-color: white;
    border: 1px solid rgba(155, 155, 155, 0.9);
    top: 30px;
}
.profileData a{
    display: block;
    padding: 5px !important;
    border: 2px solid rgb(43, 65, 187);
    color: rgb(43, 65, 187);
    margin-top: 5px;
    font-size: 12px;
    width: 80% !important;
    text-align: center;
    transition: 0.3s;
}
.profileData a:hover, #header2 .profileData a:hover{
    background-color: rgb(43, 65, 187);
    border-bottom: 2px solid rgb(43, 65, 187) !important;
    color: white;
}
.numberRealEstates, .profileData a>i{
    margin-left: 6px;
    font-weight: 700;
}
.editDelete a{
    color: rgb(43, 65, 187);
    padding: 10px;
    font-size: 25px;
    transition: 0.3s;
}
.editDelete a:hover{
    color: rgb(58, 86, 245)
}

.slider-for{
    width: 100%;
    overflow: hidden;
}
.slider-nav img, .slider-for img{
    width: 100%;
    min-height: 100%;
}
.slider-nav img{
    padding: 5px 10px;

```

```

}
.slider-nav{
    width: 100%;
    height: auto;
    margin: auto;
}
.slider-nav .slick-track{
    height: auto;
}
.slick-arrow{
    position: absolute;
    top: 50%;
    z-index: 50;
    margin-top: -12px;
    border: none;
}
.slick-prev{
    left: 0;
    background-color: rgba(155, 155, 155, 0.5);
}
.slick-next{
    right: 0;
    background-color: rgba(155, 155, 155, 0.5);
}
.left, .right{
    position: absolute;
    font-size: 30px;
    top: 47%;
    color: rgba(41, 37, 37, 0.8);
    background-color: rgba(155, 155, 155, 0.8);
    width: 30px;
    height: 30px;
}
.left{
    left: 0px;
    border-radius: 0px 5px 5px 0px;
}
.right{
    right: 0px;
    border-radius: 5px 0px 0px 5px;
}
.main{
    min-height: 100vh;
}
.email{
    word-wrap: break-word;
}
.email .name{
    color: black;
    font-size: 15px;
}
.email .mail{
    border: 1px solid rgba(155, 155, 155, 0.2);
}
.email .subject{
    border-bottom: 1px solid rgba(155, 155, 155, 0.2);
}
.email .address{
    font-size: 12px;
    word-break: break-all;
}

```

```

}
.email .message{
    font-size: 12px;
    min-height: 80px;
}
.tableContainer{
    overflow-x: auto;
}
#access{
    width: 100%;
    border-collapse: collapse;
    margin: 0px auto;
}
#access th,td, #loginUser th{
    border:1px solid rgba(155, 155, 155, 0.8);
    text-align: center !important;
    padding: 15px;
}
#access th, #loginUser th{
    background-color:  rgb(43, 65, 187);
    color: white;
}
#loginUser{
    margin-top: 40px;
}
.agentProfilePhoto{
    height: 150px;
    display: block;
    margin: 0px auto;
}
#agentProfileImg{
    display: none;
}
#notfound {
    position: relative;
    height: 100vh;
    background-image: url('../images/error.png');
    background-repeat: no-repeat;
    background-size: cover;
}
#notfound .notfound {
    position: absolute;
    left: 40%;
    top: 40%;
    transform: translate(-50%, -50%);
}
.notfound {
    max-width: 767px;
    width: 100%;
    line-height: 1.4;
    padding: 0px 15px;
}
.notfound .notfound-400 {
    position: relative;
    height: 150px;
    line-height: 150px;
    margin-bottom: 50px;
}
.notfound .notfound-400 h1 {
    font-family: 'Titillium Web', sans-serif;

```

```

    font-size: 186px;
    font-weight: 900;
    text-transform: uppercase;
    background-size: cover;
    background-position: center;
}
.notfound h2 {
    font-family: 'Titillium Web', sans-serif;
    font-size: 26px;
    font-weight: 700;
    margin: 0;
}
.notfound p {
    font-family: 'Montserrat', sans-serif;
    font-size: 14px;
    font-weight: 500;
    margin-bottom: 0px;
    text-transform: uppercase;
}
.notfound a {
    font-family: 'Titillium Web', sans-serif;
    display: inline-block;
    text-transform: uppercase;
    color: #fff;
    text-decoration: none;
    border: none;
    background: #5c91fe;
    padding: 10px 40px;
    font-size: 14px;
    font-weight: 700;
    border-radius: 1px;
    margin-top: 15px;
    -webkit-transition: 0.2s all;
    transition: 0.2s all;
}
.notfound a:hover {
    opacity: 0.8;
}
@media screen and (max-width:1240px){
    .features span{
        width: 31%;
    }
}
@media screen and (max-width:992px){
    #goUp{
        left: 45%;
    }
    .blok{
        width: 48% !important;
        height: 350px;
    }
    #barsContainer{
        display: block;
    }
    header>div{
        justify-content: space-between;
    }
    #header{
        display: none;
    }
}

```

```

#searchForm form .search, #searchForm #bedrooms, #searchForm #bathrooms{
    width: 95%;
}
#visitContainer{
    position: relative;
    top: 0px;
    right: 0px;
    margin: 0px auto;
}
}
@media screen and (max-width:880px){
    #contact{
        padding: 5px;
    }
    .features span{
        width: 48%;
    }
    .sellSteps, #formRegister{
        padding: 0px;
    }
    #contactInfo{
        margin: 30px 0px;
    }
    #contactInfo div{
        padding: 30px;
    }
}
}
@media screen and (max-width:665px){
    #topHeader div, #topHeader a{
        font-size: 12px !important;
    }
    #header2{
        top: 88px;
    }
    .formInputs, .dataListning{
        padding: 20px 0px;
    }
    .formBlock, .text, #formRegister form, #sell{
        padding: 10px;
    }
    .blok{
        width: 94% !important;
        margin: 3%;
        height: auto;
        padding-bottom: 10px;
    }
    #formRegister{
        padding: 80px 0px;
    }
    #sell h2, #sellCover h1, .about h2{
        font-size: 24px;
    }
    .about h2{
        padding: 10px;
        width: 100%;
    }
    #sell h3, #sellCover h2{
        font-size: 18px;
    }
    #sell h2{

```

```

        text-align: center;
    }
    #sell h3{
        width: 90%;
    }
    #backgroundInfo{
        height: 440px;
    }
    #backgroundInfo p{
        font-size: 15px;
    }
}

@media screen and (max-width:575px){
    #searchForm form .search, #searchForm #bedrooms, #searchForm #bathrooms, #propertyInfo span{
        width: 90%;
    }
    .nekretnina h3, .nekretnina h4{
        font-size: 18px;
    }
    #userProperty h3, #userProperty h4{
        font-size: 20px;
    }
    #userProperty .nekretnina>div{
        padding: 5px;
    }
    .editDelete a{
        font-size: 15px;
    }
    #property, #propertyTitle, #image{
        padding: 20px;
        padding-bottom: 0px;
    }
    #propertyTypeCity{
        padding-left: 20px;
    }
    #header2{
        top: 60px;
    }
    #goUp{
        left: 37%
    }
    #nekretnine{
        padding: 5px;
    }
    .searchH3{
        font-size: 19px;
    }
    .info{
        display: none;
    }
    .aboutBlock{
        flex-direction: column;
    }
    .aboutBlock img{
        margin-bottom: 20px;
    }
}
@media screen and (max-width:350px){
    .mojModal{
        width: 290px;
    }
}

```

```

        }
        .modalContent p{
            font-size: 12px;
        }
        .sellSteps img{
            width: 130px;
        }
        .sellStepsText{
            font-size: 16px;
        }
    }
    @keyframes move{
        from{
            bottom: 20%;
        }
        to{
            bottom: 60%;
        }
    }
    @keyframes animatetop{
        from{
            top: -100%;
        }
        to{
            bottom: 100%;
        }
    }
}

```

3.5.2 main.js

```

var url=window.location.href;
$(document).ready(function(){
    AOS.init({
        duration:1500
    });
    $("#bars").click(function(){
        $("#header2").slideToggle();
        $("#bars").toggleClass("MeniBar")
    });

    $(document).on("click", "#login", login);
    $(document).on("click", ".logout", logout);
    $(document).on("click", ".profile", profile);

    $("#goUp").click(function(){
        $("html").animate({ scrollTop: 0 }, 0);
    });

    $(".login").click(function(e){ e.preventDefault(); showModal()});
    /* HOME PAGE */
}

```

```

if(url.match(/.*index.php$/) || url.indexOf("page=home")!=-1){
    newest_real_estate();
    real_estate_agent();
    $(document).scroll(function(){
        counter();
    });

    counter();
}

/* PROPERTIES PAGE */

if(url.indexOf("page=properties")!=-1){
    values_reset();
    $("#submit").click(filter);
    filter();
    $("#country").change(get_city);
    $("#sort").change(filter);
}

/* EDIT PROPERTY PAGE */

if(url.indexOf("page=editProperty")!=-1){
    $(document).on("click", "#editProperty", edit_property);
    $(document).on("click", ".deleteImage", delete_image);
    image_preview();
}

/* FORM PAGE */

if(url.indexOf("page=form")!=-1){
    $("#country").change(get_city);
    $(document).on("change", "#floor_status", get_floors);
    $(document).on("change", "#property_type", get_floors);
    $(document).on("click", "#addProperty", add_property);
    image_preview();
}

/* REGISTER PAGE */

if(url.indexOf("page=register")!=-1){
    $("#formRegister #registration").click(registration);
    $("#formRegister #editProfile").click(function(){edit_profile("user")});
}

/* CONTACT PAGE */

if(url.indexOf("page=contact")!=-1){
    $("#mail").click(send_mail);

    $("#contactForm input, #contactForm textarea").focus(function(){
        $(this).prev().css("color", "rgb(43, 65, 187)");
    });

    $("#contactForm input, #contactForm textarea").blur(function(){
        $(this).prev().css("color", "rgb(0, 0, 0)");
    });
}

```

```

}

/* USER PROPERTY PAGE */

if(url.indexOf("page=userProperty")!=-1){
    $(".delete").click(function(e){ e.preventDefault(); delete_property($(this))});
}

/* PROPERTY PAGE */

if(url.indexOf("page=property")!=-1){
    $(".disabled").click(disabled);
    $(".visit").click(visit);
    $('.slider-for').slick({
        slidesToShow: 1,
        slidesToScroll: 1,
        arrows: false,
        fade: true,
        asNavFor: '.slider-nav',
        autoplay: true
    });
    $('.slider-nav').slick({
        slidesToShow: 3,
        slidesToScroll: 1,
        asNavFor: '.slider-for',
        dots: false,
        nextArrow: "<div class='right flex2'><i class='fa fa-angle-right'></i></div>",
        prevArrow: "<div class='left flex2'><i class='fa fa-angle-left'></i></div>",
        centerMode: true,
        focusOnSelect: true
    });
}

/* ADMIN PANEL */

if(url.indexOf("admin=home")!=-1){
    $(document).on("click", "#users", function(e){e.preventDefault(); get_users(1)});
    $(document).on("click", "#agents", function(e){e.preventDefault(); get_users(3)});
    $(document).on("click", "#admins", function(e){e.preventDefault(); get_users(2)});
    $(document).on("click", "#real_estates", admin_real_estates);
    $(document).on("click", "#paginacija .page", function(){
        let page=$(this).data("page");
        $("#paginacija .aktivran").removeClass("aktivran");
        $(this).addClass("aktivran");
        $.ajax({
            url : "models/real_estate/real_estate_get_all.php",
            method : "post",
            dataType : "json",
            data : {
                submit: true,
                page : page,
            },
            success : function(data){
                show_real_estate_admin(data.real_estate, "approved");
            },
            error: function(xhr, status, error){
                error_message(xhr);
                no_results($("#nekretnine2"));
            }
        });
    });
}

```

```

        }
    });
}

$(document).on("click", "#new_real_estates", admin_real_estates_new);
$(document).on("click", "#deleted_real_estates", admin_real_estates_deleted);
$(document).on("click", "#new_emails", new_email);
$(document).on("click", ".seen", mailSeen);
$(document).on("click", "#scheduled_visits", visit_get);
$(document).on("click", "#assignAgent", agent_assign);
$(document).on("click", "#readed_emails", readed_email);
$(document).on("click", "#agent_profile", agent_get_one);
$(document).on("click", "#show_input", function(e){e.preventDefault(); document.getElementById("agentProfileImg").click()});
$(document).on("change", "#agentProfileImg", agent_set_photo);
$(document).on("click", "#editAgentProfile", edit_agent_profile);
$(document).on("click", ".delete", function(e){e.preventDefault(); delete_property($(this));
admin_real_estates()});

$(document).on("click", ".edit", userEdit);
$(document).on("click", "#home", function(){window.location.reload()});
$(document).on("click", "#editProfile", function(){edit_profile("admin")});
$(document).on("click", "#visit_outcome", visit_outcome_get);
$(document).on("click", "#outcome", visit_outcome_insert);
$(document).on("click", ".activate", propertyActivate);
$(document).on("click", ".approve", propertyApproved);

}

/* HOME PAGE FUNCTIONS START */

function counter(){
    if($(".counter").parent().parent().css("opacity")!=0){
        $('.counter').each(function() {
            var $this = $(this),
                countTo = $this.attr('data-count');

            ${{
                countNum: $this.text()
            }}.animate({
                countNum: countTo
            },
            {
                duration: 3000,
                easing:'linear',
                step: function() {
                    $this.text(Math.floor(this.countNum));
                },
                complete: function() {
                    $this.text(this.countNum);
                }
            });
        });
    }
}

function newest_real_estate(){
    $.ajax({

```

```

url: "models/real_estate/new_real_estate.php",
method: "GET",
dataType: "json",
success: function(data){
    let html="";
    data.forEach(el => {
        html+=`

<a href="index.php?page=property&id=${el.idRealEstate}"><div class="blokSlika"><p class="new">NEW</p><img src='assets/img/${el.src_medium}' alt='${el.title}' class='img-fluid'><h3 class="price">Price: ${price(el.price)}&euro; </h3></div><p>Bed: ${el.bedrooms}</p><p>Bath: ${el.bathrooms}</p><p>Area: ${el.size} m<sup>2</sup></p><p>Address: ${el.address}, ${el.city}, ${el.country}</p></a></div>`;
    });
    $("#newest").html(html);
},
error: function(xhr, status, error){
    error_message(xhr);
}
});
}

function real_estate_agent(){
$.ajax({
    url: "models/agents/agent_get_all.php",
    method: "GET",
    dataType: "json",
    success: function(data){
        let html="";
        data.forEach(el => {
            html+=`<div class="col-sm-4 col-10 mx-auto flex2"><div class="agentSlika"></div><p class="agentIme">${el.firstName} ${el.lastName}</p><i class="mt-2">${el.type}</i><div class="agentText flex"><p class="crtal"></p><p>${el.description}</p></div><div class="flex agentContact"><a href="mailto:${el.email}" target="_blank" title="Mail"><i class="fas fa-paper-plane"></i></a><a href="tel:${el.phone}" target="_blank" title="Mobile phone"><i class="fas fa-phone"></i></a><a href="${el.linkLinkedin}" target="_blank" title="Linkedin"><i class="fab fa-linkedin-in"></i></a></div></div>`;
        });
        $("#agenti").append(html);
    },
    error: function(xhr, status, error){


```

```

        error_message(xhr);
    }
});
}

/* HOME PAGE FUNCTIONS END */

/* PROPERTIES PAGE FUNCTIONS START */

function filter(){
    let obj=values();
    $.ajax({
        url : "models/real_estate/real_estate_get_all.php",
        method : "post",
        dataType : "json",
        data : {
            submit: true,
            page: 1,
            category: obj.category,
            propertyType: obj.propertyType,
            country: obj.country,
            city: obj.city,
            priceMin: obj.priceMin,
            priceMax: obj.priceMax,
            sizeMin: obj.sizeMin,
            sizeMax: obj.sizeMax,
            bedrooms: obj.bedrooms,
            bathrooms: obj.bathrooms,
            sort: obj.sort
        },
        success : function(data){
            show_real_estate(data.real_estate);
            pagination(data.pages);
            let obj=values();
            $(document).on("click", "#paginacija .page",function(){
                let page=$(this).data("page");
                $("#paginacija .aktivran").removeClass("aktivran");
                $(this).addClass("aktivran");
                $.ajax({
                    url : "models/real_estate/real_estate_get_all.php",
                    method : "post",
                    dataType : "json",
                    data : {
                        submit: true,
                        page : page,
                        category: obj.category,
                        propertyType: obj.propertyType,
                        country: obj.country,
                        city: obj.city,
                        priceMin: obj.priceMin,
                        priceMax: obj.priceMax,
                        sizeMin: obj.sizeMin,
                        sizeMax: obj.sizeMax,
                        bedrooms: obj.bedrooms,
                        bathrooms: obj.bathrooms
                    },
                    success : function(data){
                        show_real_estate(data.real_estate);
                    },
                    error: function(xhr, status, error){

```

```

        error_message(xhr);
        no_results($("#nekretnine2"));
    }
})
},
error: function(xhr, status, error){
    error_message(xhr);
    no_results($("#nekretnine2"));
}
);
}
function values(){
let category=$("#category").val();
let country=$("#country").val();
let city=$("#city").val();
let priceMin=$("#priceMin").val();
let priceMax=$("#priceMax").val();
let sizeMin=$("#sizeMin").val();
let sizeMax=$("#sizeMax").val();
let propertyType=$("#propertyType").val();
let bedrooms=$("#bedrooms").val();
let bathrooms=$("#bathrooms").val();
let sort=$("#sort").val();

return {
    category:category,
    country:country,
    city:city,
    priceMin:priceMin,
    priceMax:priceMax,
    sizeMin:sizeMin,
    sizeMax:sizeMax,
    propertyType:propertyType,
    bedrooms:bedrooms,
    bathrooms:bathrooms,
    sort:sort
}
}
function values_reset(){
$("#country").val(0);
$("#city").val(0);
$("#priceMin").val("");
$("#priceMax").val("");
$("#sizeMin").val("");
$("#sizeMax").val("");
$("#bedrooms").val("");
$("#bathrooms").val("");
$("#propertyType").val(0);
$("#sort").val(0);
}
function get_city(){
let id=$(this).val();
$.ajax({
    url : "models/real_estate/get_city.php",
    method : "post",
    dataType : "json",
    data : {
        submit: true,
        id: id
    }
})
},
error: function(xhr, status, error){
    error_message(xhr);
    no_results($("#nekretnine2"));
}
)
}

```

```

        },
        success : function(data){
            show_city(data.city);
        },
        error: function(xhr, status, error){
            error_message(xhr);
        }
    });
}

function show_city(city){
    let html=<option value='0'>-</option>;
    city.forEach(el => {
        html+=`<option value=${el.idCity}>${el.city}</option>`;
    });
    $("#city").html(html);
}

/* PROPERTIES PAGE FUNCTIONS END */

/* EDIT PROPERTY PAGE FUNCTIONS START */

function image_preview(){
    document.getElementById("images").addEventListener("change", function(){
        let images=document.getElementById("images");
        if(images.files.length){
            $("#imageList").html("");
            for(let i=0; i<images.files.length; i++){
                var reader= new FileReader()

                reader.addEventListener("load", function(){
                    let image= 
                    $("#imageList").append(image);

                })
                reader.readAsDataURL(images.files[i]);
            }
        }
    })
}

function edit_property(){
    let title=$("#title");
    let description=$("#description");
    let price=$("#price");
    let address=$("#address");
    let houseSize=$("#houseSize");
    let rooms=$("#rooms");
    let bedrooms=$("#bedrooms");
    let property_type=$("#property_type");
    let bathrooms=$("#bathrooms");
    let floor_status=$("#floor_status");
    let number_of_floors=$("#number_of_floors");
    let heating=$("#heating");
    let documentation=$("#documentation");
    let user=$("#user");
    let id=$("#id");

    let regExpTitle=/^[\w+(\s\w+)*$/;
    let regExpPrice=/^\d+$/;
    let regExpAddress=/^[[A-ZŠĐŽĆĆ][a-zđžćć]{2,30}(\,,?\s[A-ZŠĐŽĆĆa-zđžćć]{2,30})*(\s\d*\w?)*$/;
}

```

```

let regExpSize=/^\d{2,4}$/;
let regExpBB=/^\d+$/;
let regExpNOF=/^\d{1,2}$/;
let regExp=/[^0]/;

submit=[];

submit.push(checkProperty(title, regExpTitle, "You must enter the property title", "Not a valid format"));
submit.push(checkProperty(price, regExpPrice, "You must enter the property price", "Not a valid format"));
submit.push(checkProperty(address, regExpAddress, "You must enter the property address", "Not a valid format"));
submit.push(checkProperty(houseSize, regExpSize, "You must enter the property size", "Not a valid format"));
submit.push(checkProperty(bedrooms, regExpBB, "You must enter the number of bedrooms", "Not a valid format"));
submit.push(checkProperty(bathrooms, regExpBB, "You must enter the number of bathrooms", "Not a valid format"));
submit.push(checkProperty(rooms, regExp, "", "You must choose the number of rooms"));
submit.push(checkProperty(heating, regExp, "", "You must choose the heating"));
submit.push(checkProperty(documentation, regExp, "", "You must choose the documentation"));

var images=document.getElementById("images");
var totalImages=images.files.length;

if(property_type.val()==2){
    submit.push(checkProperty(floor_status, regExp, "", "You must choose value"));
    if(floor_status.val()==2){
        submit.push(checkProperty(number_of_floors, regExpNOF, "You must enter the number of floors", "Not a valid format"));
    }
}
if(property_type.val()!=2){
    submit.push(checkProperty(number_of_floors, regExpNOF, "You must enter the number of floors", "Not a valid format"));
}

if(!submit.includes(false)){
    var formData=new FormData();
    console.log($(".feature:checked"))
    var features=$(".feature:checked");
    var featuresArray=[];
    for(let i=0; i<features.length; i++){
        featuresArray.push(features[i].value)
    }
    formData.append("submit", true)
    formData.append("title", title.val())
    formData.append("description", description.val())
    formData.append("price", price.val())
    formData.append("address", address.val())
    formData.append("houseSize", houseSize.val())
    formData.append("rooms", rooms.val())
    formData.append("bedrooms", bedrooms.val())
    formData.append("bathrooms", bathrooms.val())
    formData.append("heating", heating.val())
    formData.append("documentation", documentation.val())
    formData.append("property_type", property_type.val())
    formData.append("user", user.val())
    formData.append("id", id.val())
}

```

```

formData.append("features", featuresArray)
if(property_type.val()==2){
    formData.append("floor_status", floor_status.val())
    if(floor_status.val()==2){
        formData.append("number_of_floors", number_of_floors.val())
    }
}
if(property_type.val()!=2){
    formData.append("number_of_floors", number_of_floors.val())
}

for(let i=0; i<totalImages; i++){
    formData.append("images[]", images.files[i]);
}

$.ajax({
    url: "models/real_estate/update.php",
    method: "post",
    dataType: "json",
    data:formData,
    contentType: false,
    processData: false,
    success: function(data){
        $("#editPropertyErrors").html("<h3 class='p-3 text-center'>" + data.success + "</h3>");
    },
    error: function(xhr, status, error){
        let html = "<ol class='errorText flex3'>";
        if(xhr.status==422){
            xhr.responseJSON.errors.forEach(el => {
                html += `<li>${el}</li>`;
            });
        }
        if(xhr.status==500){
            html += "<li>" + xhr.responseJSON.error_message + "</li>";
        }
        html += "</ol>";
        $("#editPropertyErrors").html(html);
        if(xhr.status==400){
            error_message(xhr);
        }
    }
});
}

function delete_image(e){
e.preventDefault();
if($(".editImages:visible").length > 1){
    if(confirm("Do you want to delete this image")){
        let val=$(this).data("id");
        let image=$(this)
        $.ajax({
            url: "models/real_estate/deleteImage.php",
            method: "post",
            data: {
                submit:true,
                id:val
            },
            success: function(data){
                image.parent().hide();
            },
        })
    }
}
}

```

```

        error: function(xhr,status,error){
            error_message(xhr);
        }
    })
}
}

/* EDIT PROPERTY PAGE FUNCTIONS END */

/* FORM PAGE FUNCTIONS START */

function get_floors(){
    let id=$("#floor_status").val();
    let propertyType=$("#property_type").val();
    $.ajax({
        url: "models/real_estate/get_floors.php",
        method: "get",
        dataType: "json",
        success: function(data){
            if(id==2 && propertyType==2){
                let html=`
                    <div class="col-12">
                    <label for="number_of_floors">Number of floors</label>
                    <input type="text" name="number_of_floors" id="number_of_floors">
                `;
                $("#floors").html(html)
            }else if(propertyType==2){
                let html2=`
                    <label for="floor_status">Floors</label>
                    <select name="floor_status" id="floor_status">
                        <option value="0">-</option>;
                `;
                data.floor_status.forEach(el => {
                    html2+=`<option value="${el.idFloorStatus}">${el.floor_status}</option>`;
                });
                html2+=`</select>`;
                $("#number_of_floors").parent().html(html2)
                $("#floors").html("")
            }
            else if(propertyType!=2 && propertyType!=0){
                let html3=`
                    <label for="number_of_floors">Number of floors</label>
                    <input type="text" name="number_of_floors" id="number_of_floors">
                `;
                $("#floor_status").parent().html(html3)

                let html4=`
                    <div class="col-12">
                    <label for="floor">Floor</label>
                    <select name="floor" id="floor">
                        <option value="0">-</option>;
                `;
                data.floor.forEach(el => {
                    html4+=`<option value="${el.idFloor}">${el.floor}</option>`;
                });
                html4+=`</select></div>`;
                $("#floors").html(html4)
            }
            else{

```

```

$( "#floors" ).html( "" )
},
error : function(xhr, status, error){
    error_message(xhr);
}
})
}

function add_property(){
let title=$("#title");
let description=$("#description");
let image=$("#images");
let price=$("#price");
let property_type=$("#property_type");
let country=$("#country");
let city=$("#city");
let address=$("#address");
let houseSize=$("#houseSize");
let rooms=$("#rooms");
let bedrooms=$("#bedrooms");
let bathrooms=$("#bathrooms");
let built=$("#built");
let floor_status=$("#floor_status");
let number_of_floors=$("#number_of_floors");
let floor=$("#floor");
let category=$("#category");
let heating=$("#heating");
let documentation=$("#documentation");
let user=$("#user");

let regExpTitle=/^\w+(\s\w+)*$/;
let regExpPrice=/^\d+$/;
let regExpAddress=/^[\u0410-\u0421\u0424\u042f\u0427\u042c\u0421][\u043a-\u043f\u043d\u0430\u0437\u043e\u0431\u043f\u0430\u043d\u0430]{2,30}(\,\?\s[\u041a-\u0421\u0424\u042f\u0427\u042c\u0421\u043a-\u043f\u043d\u0430\u0437\u043e\u0431\u043f\u0430\u043d\u0430]{2,30})*(\s\d*\w?)*$/;
let regExpSize=/^\d{2,4}$/;
let regExpBB=/^\d+$/;
let regExpBuilt=/^\d{4}$/;
let regExpNOF=/^\d{1,2}$/;
let regExp=[^0]/;

submit=[];

submit.push(checkProperty(title, regExpTitle, "You must enter the property title", "Not a valid format"));
submit.push(checkProperty(price, regExpPrice, "You must enter the property price", "Not a valid format"));
submit.push(checkProperty(property_type, regExp, "", "You must choose the property type"));
submit.push(checkProperty(country, regExp, "", "You must choose the property country"));
submit.push(checkProperty(city, regExp, "", "You must choose the property city"));
submit.push(checkProperty(address, regExpAddress, "You must enter the property address", "Not a valid format"));
submit.push(checkProperty(houseSize, regExpSize, "You must enter the property size", "Not a valid format"));
submit.push(checkProperty(bedrooms, regExpBB, "You must enter the number of bedrooms", "Not a valid format"));
submit.push(checkProperty(bathrooms, regExpBB, "You must enter the number of bathrooms", "Not a valid format"));
submit.push(checkProperty(built, regExpBuilt, "You must enter the year of construction", "Not a valid format"));
submit.push(checkProperty(rooms, regExp, "", "You must choose the number of rooms"));
submit.push(checkProperty(category, regExp, "", "You must choose the category"));
}

```

```

submit.push(checkProperty(heating, regExp, "", "You must choose the heating"));
submit.push(checkProperty(documentation, regExp, "", "You must choose the documentation"));
var images=document.getElementById("images");
var totalImages=images.files.length;
if(totalImages==0){
    if(!image.parent().hasClass("error")){
        image.parent().addClass("error");
        image.after(`<span class="errorText">You must add a picture of the property</span>`);
    }
    submit.push(false);
} else{
    image.parent().removeClass("error");
    image.next(".errorText").hide();
}

if(property_type.val()==2){
    submit.push(checkProperty(floor_status, regExp, "", "You must choose value"));
    if(floor_status.val()==2){
        submit.push(checkProperty(number_of_floors, regExpNOF, "You must enter the number of floors",
", "Not a valid format"));
    }
}
if(property_type.val()!=2){
    submit.push(checkProperty(floor, regExp, "", "You must choose the property floor"));
    submit.push(checkProperty(number_of_floors, regExpNOF, "You must enter the number of floors",
"Not a valid format"));
    if(Number($("#floor option:selected").text())){
        if(Number($("#floor option:selected").text())>number_of_floors.val()){
            if(!floor.hasClass("error")){
                floor.addClass("error");
                floor.after(`<span class="errorText">Not a valid value</span>`);
            }
            submit.push(false);
        } else{
            floor.removeClass("error");
            floor.next(".errorText").hide();
        }
    }
}
var date=new Date();
if(built.val()>date.getFullYear() || built.val()==""){
    if(!built.hasClass("error")){
        built.addClass("error");
        built.after(`<span class="errorText">Not a valid value</span>`);
    }
    submit.push(false);
} else{
    built.removeClass("error");
    built.next(".errorText").hide();
}

if(!submit.includes(false)){
    var formData=new FormData();
    console.log($(".feature:checked"))
    var features=$(".feature:checked");
    var featuresArray=[];
}

```

```

        for(let i=0; i<features.length; i++){
            featuresArray.push(features[i].value)
        }
        formData.append("submit", true)
        formData.append("title", title.val())
        formData.append("description", description.val())
        formData.append("price", price.val())
        formData.append("property_type", property_type.val())
        formData.append("country", country.val())
        formData.append("city", city.val())
        formData.append("address", address.val())
        formData.append("houseSize", houseSize.val())
        formData.append("rooms", rooms.val())
        formData.append("bedrooms", bedrooms.val())
        formData.append("bathrooms", bathrooms.val())
        formData.append("built", built.val())
        formData.append("category", category.val())
        formData.append("heating", heating.val())
        formData.append("documentation", documentation.val())
        formData.append("user", user.val())
        formData.append("features", featuresArray)
        if(property_type.val()==2){
            formData.append("floor_status", floor_status.val())
            if(floor_status.val()==2){
                formData.append("number_of_floors", number_of_floors.val())
            }
        }
        if(property_type.val()!=2){
            formData.append("floor", floor.val())
            formData.append("number_of_floors", number_of_floors.val())
        }

        for(let i=0; i<totalImages; i++){
            formData.append("images[]", images.files[i]);
        }

        $.ajax({
            url: "models/real_estate/insert.php",
            method: "post",
            dataType: "json",
            data:formData,
            contentType: false,
            processData: false,
            success: function(data){
                $("#addPropertyErrors").html("<h3 class='p-3 text-center'>" + data.success + "</h3>");
            },
            error: function(xhr, status, error){
                let html = "<ol class='errorText flex3'>";
                if(xhr.status==422){
                    xhr.responseJSON.errors.forEach(el => {
                        html += `<li>${el}</li>`;
                    });
                }
                if(xhr.status==500){
                    html += "<li>" + xhr.responseJSON.error_message + "</li>"
                }
                html += "</ol>";
                $("#addPropertyErrors").html(html);
                if(xhr.status==400){
                    error_message(xhr);
                }
            }
        })
    
```

```

        }
    });
}
}

function checkProperty(input, regExp, errorTextEmpty, errorTextFormat){
    if(input.val()!=""){
        if(!input.hasClass("error")){
            input.addClass("error");
            input.after(`<span class="errorText">${errorTextEmpty}</span>`);
        }
        return false
    }else if(!regExp.test(input.val().trim())){
        if(!input.hasClass("error")){
            input.addClass("error");
            input.after(`<span class="errorText">${errorTextFormat}</span>`);
        }
        return false
    }else{
        input.removeClass("error");
        input.next(".errorText").hide();
        return true;
    }
}
/* FORM PAGE FUNCTIONS END */

/* REGISTER PAGE FUNCTIONS START */

function registration(){
    let firstName=$("#firstName");
    let lastName=$("#lastName");
    let email=$("#email");
    let password=$("#password");
    let passwordConfirm=$("#passwordConfirm");
    let phoneNumber=$("#phone");
    let captchaText=$("#captchaText");

    let regExpFN=/^A-ZŠĐŽĆĆ][a-zđžćć]{2,15}(\s[A-ZŠĐŽĆĆ][a-zđžćć]{2,15})*/$;
    let regExpLN=/^A-ZŠĐŽĆĆ][a-zđžćć]{2,19}(\s[A-ZŠĐŽĆĆ][a-zđžćć]{2,19})*/$;
    let regExpEmail=/^[@]+@[^@]+\.[^@\.]+$/;
    let regExpPassword=/^\w{10,}$/;
    let regExpPN=/^\d{7,20}$/;

    let errorTextFN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 16 characters)";
    let errorTextLN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 20 characters)";
    let errorTextEmail="Not a valid format";
    let errorTextPassword="Word length must be minimum 10";
    let errorTextPN="Not a valid format. <br/>Total digits 20";
    let errorTextPasswordConf="Passwords are not the same";

    let submit=[];
    submit.push(checkValue(firstName, regExpFN, errorTextFN));
    submit.push(checkValue(lastName, regExpLN, errorTextLN));
    submit.push(checkValue(email, regExpEmail, errorTextEmail));
    submit.push(checkValue(phoneNumber, regExpPN, errorTextPN));
    submit.push(checkValue(password, regExpPassword, errorTextPassword));
    if(password.val()!=passwordConfirm.val()){

```

```

        submit.push(false);
        if(!passwordConfirm.hasClass("error")){
            passwordConfirm.addClass("error");
            passwordConfirm.parent().append(`<span class="errorText">${errorTextPasswordConf}</span>`);
        }
    }else{
        passwordConfirm.removeClass("error");
        passwordConfirm.next(".errorText").hide();
    }

    if(!submit.includes(false)){
        $.ajax({
            url: "models/registration/registration.php",
            method: "post",
            dataType: "json",
            data:{
                submit: true,
                firstName: firstName.val(),
                lastName: lastName.val(),
                email: email.val(),
                phoneNumber: phoneNumber.val(),
                password: password.val(),
                passwordConfirm: passwordConfirm.val(),
                captchaText: captchaText.val()
            },
            success: function(data){
                $("#formRegisterErrors").html("<h3 class='p-3 text-center'>"+data.success+"</h3>");
                showModal();

                document.getElementById("formRegister").reset();
            },
            error: function(xhr, status, error){
                let html=<ol class='errorText flex3'>;
                if(xhr.status==422){
                    xhr.responseJSON.errors.forEach(el => {
                        html+=`<li>${el}</li>`;
                    });
                }
                if(xhr.status==500){
                    html+=`<li>+xhr.responseJSON.error</li>`;
                }
                html+="</ol>";
                $("#formRegisterErrors").html(html);
                if(xhr.status==400){
                    error_message(xhr);
                }
            }
        });
    }
}

/* REGISTER PAGE FUNCTIONS END */

/* CONTACT PAGE FUNCTIONS START */

function send_mail(){
    let firstName=$("#firstNameContact");
    let lastName=$("#lastNameContact");

```

```

let email=$("#email");
let subject=$("#subject");
let message=$("#message");

let regExpFN=/^[\u0410-\u0421\u0428\u042d\u0427\u0421\u0421][\u0410-\u0421\u0428\u042d\u0427\u0421\u0421]{2,15}(\u0411[\u0410-\u0421\u0428\u042d\u0427\u0421\u0421][\u0410-\u0421\u0428\u042d\u0427\u0421\u0421]{2,15})*$/;
let regExpLN=/^[\u0410-\u0421\u0428\u042d\u0427\u0421\u0421][\u0410-\u0421\u0428\u042d\u0427\u0421\u0421]{2,19}(\u0411[\u0410-\u0421\u0428\u042d\u0427\u0421\u0421][\u0410-\u0421\u0428\u042d\u0427\u0421\u0421]{2,19})*$/;
let regExpEmail=/^[\u0411@]+@[^\u0411]+[\u0411.][^\u0411\.\u0411]+$/;
let regExp=/^[\u0411\w\.,]+(\u0411[\u0411\w\.,]+)*$/;

let errorTextFN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 16 characters)";
let errorTextLN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 20 characters)";
let errorTextEmail="Not a valid format";
let errorTextSubject="You must enter an email subject";
let errorTextMessage="You must enter a message";

let submit=[];
submit.push(checkValue(firstName, regExpFN, errorTextFN));
submit.push(checkValue(lastName, regExpLN, errorTextLN));
submit.push(checkValue(email, regExpEmail, errorTextEmail));
submit.push(checkValue(subject, regExp, errorTextSubject));
submit.push(checkValue(message, regExp, errorTextMessage));

if(!submit.includes(false)){
$.ajax({
  url: "models/users/send_mail.php",
  method: "post",
  dataType: "json",
  data:{
    submit: true,
    firstName: firstName.val(),
    lastName: lastName.val(),
    email: email.val(),
    subject: subject.val(),
    message: message.val()
  },
  success: function(data){
    $("#contactErrors").html("<h5 class='p-3 text-center'>" + data.success + "</h5>");
    document.getElementById("contactForm").reset();
  },
  error: function(xhr, status, error){
    let html=<ol class='errorText flex3'>;
    if(xhr.status==422){
      xhr.responseJSON.errors.forEach(el => {
        html+=`<li>${el}</li>`;
      });
    }
    if(xhr.status==500){
      html+=`<li>+xhr.responseJSON.error_message+</li>`;
    }
    html+="</ol>";
    $("#contactErrors").html(html);
    if(xhr.status==400){
      error_message(xhr);
    }
  }
})
}

```

```

        });
    }

/* CONTACT PAGE FUNCTIONS END */

/* PROPERTY PAGE FUNCTIONS START */

function visit(){
    let date=$("#date");
    let time=$("#time");
    let property=$("#property");
    let user=$("#user");

    let regExpDate=/^\d{4}-\d{2}-\d{2}$/;
    let regExpTime=/^\d{2}:\d{2}$/;

    let errorTextDate="You must enter the date of the visit";
    let errorTextTime="You must enter the time of the visit";

    let submit=[];
    if(!regExpDate.test(date.val().trim())){
        submit.push(false);
        if(!date.hasClass("error")){
            date.addClass("error");
            date.before(`<span class="errorText">${errorTextDate}</span>`);
        }
    }else{
        currentDate=Date.now()
        if(Date.parse(date.val().trim())<=currentDate){
            submit.push(false);
            if(!date.hasClass("error")){
                date.addClass("error");
                date.before(`<span class="errorText">Not a valid date</span>`);
            }
        }else{
            date.removeClass("error");
            date.prev(".errorText").hide();
        }
    }
    if(!regExpTime.test(time.val().trim())){
        submit.push(false);
        if(!time.hasClass("error")){
            time.addClass("error");
            time.before(`<span class="errorText">${errorTextTime}</span>`);
        }
    }else{
        time.removeClass("error");
        time.prev(".errorText").hide();
    }

    if(!submit.includes(false)){
        $.ajax({
            url: "models/visit/visit.php",
            method: "post",
            dataType: "json",
            data:{
                submit: true,
                date: date.val(),

```

```

        time: time.val(),
        property: property.val(),
        user: user.val()
    },
    success: function(data){
        date.removeClass("error");
        date.prev(".errorText").hide();
        time.removeClass("error");
        time.prev(".errorText").hide();
        alert(data.success);
        window.location.reload();
    },
    error: function(xhr, status, error){
        if(xhr.status==422){
            if(xhr.responseJSON.errors.errorDate){
                if(!date.hasClass("error")){
                    date.addClass("error");
                    date.before(`<span class="errorText">You must enter a valid date<span>`);
                }
            }
            if(xhr.responseJSON.errors.errorTime){
                if(!time.hasClass("error")){
                    time.addClass("error");
                    time.before(`<span class="errorText">${errorTextTime}<span>`);
                }
            }
        }
        if(xhr.status==500){
            error_message(xhr);
            alert(xhr.responseJSON.error_message);
        }
        if(xhr.status==400){
            error_message(xhr);
        }
    }
});
}

/* PROPERTY PAGE FUNCTIONS END */

/* ADMIN PANEL FUNCTIONS START */

function edit_profile(role){
    let passwordConfirm=null;
    let idRole=null;
    if(role=="user"){
        passwordConfirm=$("#passwordConfirm");
    }else{
        idRole=$("#role").val();
    }
    let firstName=$("#firstName");
    let lastName=$("#lastName");
    let email=$("#email");
    let password=$("#newPassword");
    let phoneNumber=$("#phone");
    let user=$("#user");

    let regExpFN=/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,15})(\s[A-ZŠĐŽĆĆ][a-zđžćć]{2,15})*/$/;
    let regExpLN=/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,19})(\s[A-ZŠĐŽĆĆ][a-zđžćć]{2,19})*/$/;
}

```

```

let regExpEmail=/^[@]+@[ @]+\.[ @\.\.]+$/;
let regExpPassword=/^\w{10,}$/;
let regExpPN=/^\+?\d{7,20}$/;

let errorTextFN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 16 characters)";
let errorTextLN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 20 characters)";
let errorTextEmail="Not a valid format";
let errorTextPassword="Word length must be minimum 10";
let errorTextPN="Not a valid format. <br/>Total digits 20";

let submit=[];
submit.push(checkValue(firstName, regExpFN, errorTextFN));
submit.push(checkValue(lastName, regExpLN, errorTextLN));
submit.push(checkValue(email, regExpEmail, errorTextEmail));
submit.push(checkValue(phoneNumber, regExpPN, errorTextPN));
if(role=="user"){
    submit.push(checkValue(passwordConfirm, regExpPassword, errorTextPassword));
    passwordConfirm=passwordConfirm.val();
}

if(password.val()!=""){
    submit.push(checkValue(password, regExpPassword, errorTextPassword));
}

if(!submit.includes(false)){
$.ajax({
    url: "models/users/update.php",
    method: "post",
    dataType: "json",
    data:{
        submit: role,
        firstName: firstName.val(),
        lastName: lastName.val(),
        email: email.val(),
        role: idRole,
        phoneNumber: phoneNumber.val(),
        password: password.val(),
        passwordConfirm: passwordConfirm,
        user: user.val()
    },
    success: function(data){
        console.log(data)
        $("#formRegisterErrors").html("<h3 class='p-3 text-center'>You have successfully update profile</h3>");
    },
    error: function(xhr, status, error){
        let html=<ol class='errorText flex3'>;
        if(xhr.status==422){
            xhr.responseJSON.errors.forEach(el => {
                html+=`<li>${el}</li>`;
            });
        }
        if(xhr.status==500){
            html+=`<li>${xhr.responseJSON.error_message}</li>`;
        }
        html+="</ol>";
        $("#formRegisterErrors").html(html);
    }
});
}
}

```

```

        if(xhr.status==400){
            error_message(xhr);
        }
    });
}
}

function delete_property(link){
let val=link.data("id");

if(confirm("Do you want to delete this property")){
$.ajax({
url: "models/real_estate/delete.php",
method: "post",
dataType: "json",
data:{
submit: true,
id: val
},
success: function(data){
link.parent().parent().hide();
},
error: function(xhr, status, error){
error_message(xhr);
alert(xhr.responseText.error_message);
}
});
}
}

function admin_real_estates(){
real_estate_all(function(callback){
show_real_estate_admin(callback.real_estate, "approved");
pagination(callback.pages);
})
}

function real_estate_unapproved(callback){
$.ajax({
url: "models/real_estate/real_estate_get_unapproved.php",
method: "GET",
success: callback
})
}

function admin_real_estates_new(e){
e.preventDefault();
real_estate_unapproved(function(callback){
if(callback.length){
show_real_estate_admin(callback , "unapproved");
$("#paginacija").html("");
}else{
no_results($("#main-content"));
}
})
}

function real_estate_deleted(callback){
$.ajax({
url: "models/real_estate/real_estate_get_deleted.php",
method: "GET",
success: callback
})
}

```

```

}

function admin_real_estates_deleted(e){
    e.preventDefault();
    real_estate_deleted(function(callback){
        if(callback.length){
            show_real_estate_admin(callback, "deleted");
            $("#paginacija").html("");
        }else{
            no_results($("#main-content"));
        }
    })
}

function show_real_estate_admin(real_estate, type){
    let html="";
    real_estate.forEach(e => {
        html+=`

<div class="col-lg-3 col-sm-8 col-10 mx-auto slika">
                
                <span class="sellRent">for ${e.category}</span>
            </div>
            <div class="col-lg-7 col-10 flex tekst">
                <h3>${e.title}</h3>
                <p>${e.city}, ${e.address}, ${e.country}</p>
                <h4>${price(e.price)} &euro;</h4>
            </div>
            <div class="col-2 flex2 mx-auto editDelete">
                ${icons(type, e.idRealEstate)}
            </div>
        </div>
        `);
    });
    $("#main-content").html(html);
}

function icons(type, id){
    if(type=="approved"){
        return `<a href="index.php?page=editProperty&id=${id}" title="Edit"><i class="fas fa-edit"></i></a>
            <a href="#" title="Delete" class="delete" data-id="${id}"><i class="fas fa-trash-alt"></i></a>`;
    }
    else if(type=="unapproved"){
        return `<a href="#" title="Approve" class="approve" data-id="${id}"><i class="fas fa-check-square"></i></a>
            <a href="#" title="Delete" class="delete" data-id="${id}"><i class="fas fa-trash-alt"></i></a>`;
    }
    else if(type=="unreaded"){
        return `<a href="#" title="Seen" class="seen" data-id="${id}"><i class="fas fa-check"></i></a>`;
    }
    else if(type=="deleted"){
        return `<a href="#" title="Activate" class="activate" data-id="${id}"><i class="fas fa-upload"></i></a>`;
    }
    else if(type=="edit"){
        return `<a href="#" title="Edit" class="edit" data-id="${id}"><i class="fas fa-edit"></i></a>`;
    }
    else{
        return "";
    }
}


```

```

function new_email(e){
    e.preventDefault();
    $.ajax({
        url: "models/users/email_new.php",
        method: "GET",
        dataType: "json",
        success: function(data){
            if(data.length){
                show_email(data, "unreaded");
                $("#paginacija").html("");
            }else{
                no_results($("#main-content"));
            }
        },
        error: function(xhr, status, error){
            if(xhr.status==500){
                error_message(xhr);
                alert(xhr.responseJSON.error_message);
            }
            if(xhr.status==400){
                error_message(xhr);
            }
        }
    })
}

function readed_email(e){
    e.preventDefault();
    $.ajax({
        url: "models/users/email_readed.php",
        method: "GET",
        dataType: "json",
        success: function(data){
            if(data.length){
                show_email(data, "");
                $("#paginacija").html("");
            }else{
                no_results($("#main-content"));
            }
        },
        error: function(xhr, status, error){
            if(xhr.status==500){
                error_message(xhr);
                alert(xhr.responseJSON.error_message);
            }
            if(xhr.status==400){
                error_message(xhr);
            }
        }
    })
}

function show_email(emails, type){
    let html="";
    emails.forEach(e => {
        html+=`<div class="col-11 flex flexWrap email">
            <div class="col-lg-3">
                <p class="name">${e.firstName} ${e.lastName}</p>
                <p class="address">${e.email}</p>
                <p>${e.date}</p>
            </div>
            <div class="col-lg-7 mail col-sm-10">

```

```

        <h5 class="subject">${e.subject}</h5>
        <p class="message">${e.message}</p>
    </div>
    <div class="col-12 col-sm-2 mx-auto flex2 editDelete">
        ${icons(type, e.idContact)}
    </div>
</div>
});

$("#main-content").html(html);
}

function get_users(idRole){
$.ajax({
    url: "models/users/user_get_all.php",
    method: "POST",
    dataType: "json",
    data:{
        idRole:idRole
    },
    success: function(data){
        if(data.length){
            show_users(data, "edit");
            $("#paginacija").html("");
        }else{
            no_results($("#main-content"));
        }
    },
    error: function(xhr, status, error){
        if(xhr.status==500){
            error_message(xhr);
            alert(xhr.responseJSON.error_message);
        }
        if(xhr.status==400){
            error_message(xhr);
        }
    }
})
}

function show_users(users, type){
let html="";
users.forEach(e => {
    html+=`<div class="col-lg-6 col-sm-10 flex flexWrap email">
        <div class="col-10">
            <h5>ID: ${e.idUser}</h5>
            <p class="name">Name: ${e.firstName} ${e.lastName}</p>
            <p>Email: ${e.email}</p>
            <p>Mobile phone: ${e.phone}</p>
            <p>Registered: ${e.date}</p>
        </div>
        <div class="col-sm-2 flex2 mx-auto0 editDelete">
            ${icons(type, e.idUser)}
        </div>
    </div>`;
});
$("#main-content").html(html);
}

function userEdit(e){
e.preventDefault();
let val=$(this).data("id");
let link=$(this);
$.ajax({

```

```

url: "models/users/user_get_one.php",
method: "POST",
dataType: "json",
data:{
    submit:true,
    idUser:val
},
success: function(data){
    link.parent().parent().after(editUserForm(data))
},
error: function(xhr, status, error){
    if(xhr.status==500){
        error_message(xhr);
        alert(xhr.responseJSON.error_message);
    }
    if(xhr.status==400){
        error_message(xhr);
    }
}
})
}

function editUserForm(data){
    return `
<div class="col-10 mx-auto flex2" id="formEdit">
<form class="flex flexWrap">

<input type="hidden" id="user" name="user" value="${data.user.idUser}">
<div class="col-md-5 col-10 mx-auto blokReg flex3">
    <label for="firstName">First name</label>
    <input type="text" id="firstName" name="firstName" value="${data.user.firstName}">
</div>
<div class="col-md-5 col-10 mx-auto blokReg flex3">
    <label for="lastName">Last name</label>
    <input type="text" id="lastName" name="lastName" value="${data.user.lastName}">
</div>
<div class="col-md-5 col-10 mx-auto blokReg flex3">
    <label for="email">Email</label>
    <input type="text" id="email" name="email" value="${data.user.email}">
</div>
<div class="col-md-5 col-10 mx-auto blokReg flex3">
    <label for="phone">Phone number</label>
    <input type="text" id="phone" name="phone" value="${data.user.phone}">
</div>

<div class="col-md-5 col-10 mx-auto blokReg flex3">
    <label for="newPassword">New Password</label>
    <input type="password" id="newPassword">
</div>

<div class="col-md-5 col-10 mx-auto blokReg flex3">
    <label for="role">Role</label>
    ${roles(data)}
</div>

<div class="col-md-5 col-10 mx-auto flex3">
    <button type="button" class="posalji" id="editProfile">Submit</button>
</div>
</form>
<div id="formRegisterErrors"></div>

```

```

        </div>
        `

    }

    function roles(data){
        let html=<select id='role'>;
        data.role.forEach(element => {
            if(data.user.idRole==element.idRole){
                html+=`<option value="${element.idRole}" selected="selected">${element.role}</option>`;
            }else{
                html+=`<option value="${element.idRole}">${element.role}</option>`;
            }
        });
        html+= "</select>";
        return html;
    }

    function mailSeen(e){
        e.preventDefault();
        let val=$(this).data("id");
        let link=$(this);
        $.ajax({
            url: "models/users/email_update.php",
            method: "POST",
            dataType: "json",
            data:{
                submit: true,
                idContact:val
            },
            success: function(data){
                link.parent().parent().hide()
            },
            error: function(xhr, status, error){
                if(xhr.status==500){
                    error_message(xhr);
                    alert(xhr.responseJSON.error_message);
                }
                if(xhr.status==400){
                    error_message(xhr);
                }
            }
        })
    }

    function propertyActivate(e){
        e.preventDefault();
        let val=$(this).data("id");
        let link=$(this);
        $.ajax({
            url: "models/real_estate/real_estate_activate.php",
            method: "POST",
            dataType: "json",
            data:{
                submit: true,
                idRealEstate:val
            },
            success: function(data){
                link.parent().parent().hide()
            },
            error: function(xhr, status, error){
                if(xhr.status==500){
                    error_message(xhr);
                    alert(xhr.responseJSON.error_message);
                }
            }
        })
    }
}

```

```

        }
        if(xhr.status==400){
            error_message(xhr);
        }
    })
}
function propertyApproved(e){
    e.preventDefault();
    let val=$(this).data("id");
    let link=$(this);
    $.ajax({
        url: "models/real_estate/real_estate_approve.php",
        method: "POST",
        dataType: "json",
        data:{
            submit: true,
            idRealEstate:val
        },
        success: function(data){
            link.parent().parent().hide()
        },
        error: function(xhr, status, error){
            if(xhr.status==500){
                error_message(xhr);
                alert(xhr.responseJSON.error_message);
            }
            if(xhr.status==400){
                error_message(xhr);
            }
        }
    })
}
function visit_get(e){
    e.preventDefault();
    $.ajax({
        url: "models/visit/visit_get_all.php",
        method: "POST",
        dataType: "json",
        success: function(data){
            show_visit(data, show_agents(data.agents), "assignAgent");
            $("#paginacija").html("");
        },
        error: function(xhr, status, error){
            if(xhr.status==500){
                error_message(xhr);
                alert(xhr.responseJSON.error_message);
            }
            if(xhr.status==400){
                error_message(xhr);
            }
        }
    })
}
function show_visit(data, fun, id){
    let html="";
    if(data.visits.length){
        data.visits.forEach(e => {
            html+=`<div class="col-lg-8 col-md-10 col-sm-11 flex flexWrap nekretnina">
                <div class="col-lg-8 col-10 mx-auto slika">

```

```

        
        <span class="sellRent">for ${e.category}</span>
    </div>
    <div class="col-11 mx-auto flex2">
        <h3>${e.title}</h3>
        <p>${e.city}, ${e.address}, ${e.country}</p>
        <h4>${price(e.price)} &euro;</h4>
    </div>
    <div class="col-md-8 flex1 flexWrap mx-auto">
        <div class="col-md-7">
            <h5>Client</h5>
            <p>Name: ${e.firstName} ${e.lastName}</p>
            <p>Mobile phone: ${e.phone}</p>
            <p>Email: ${e.email}</p>
            <p>Time of visit: ${e.dateVisit}, ${e.time}</p>
        </div>
        <div class="col-md-5 flex2">
            ${fun}
            <button type="button" class="posalji m-3" id="${id}" value="${e.idVisit}">Assign</button>
            <div class="assignAgentError"></div>
        </div>
    </div>
`);
});
} else{
    html+=`

`;
}
$("#main-content").html(html);
}
function show_agents(data){

    let html=`<h5 class="mb-4">Assign agent</h5> <select id='agent'> <option value='0'>Choose</option>`;
    data.forEach(element => {
        html+=`<option value="${element.idAgent}">${element.firstName} ${element.lastName}</option>`;
    });
    html+=`</select>`;
    return html;
}
function agent_assign(){
    let val=$(this).val();
    let link=$(this);
    let agent=$("#agent");
    let submit=checkValue(agent, /^[^0]+$/ , "You must choose agent");
    if(submit){
        $.ajax({
            url: "models/visit/agent_visit_insert.php",
            method: "POST",
            dataType: "json",
            data:{
                submit: true,
                agent: agent.val(),
                visit: val
            },
            success: function(data){
                link.parent().parent().parent().hide();
            }
        });
    }
}


```

```

        link.next(".assignAgentError").html("");
    },
    error: function(xhr, status, error){
        if(xhr.status==422){
            let html=<ol class='errorText flex3'>;
            xhr.responseJSON.errors.forEach(el => {
                html+=`<li>${el}</li>`;
            });
            html+="</ol>";
            link.next(".assignAgentError").html(html);
        }
        if(xhr.status==500){
            error_message(xhr);
            alert(xhr.responseJSON.error_message);
        }
        if(xhr.status==400){
            error_message(xhr);
        }
    }
})
}

function visit_outcome_get(e){
    let val=$(this).data("id");
    e.preventDefault();
    $.ajax({
        url: "models/visit/agent_visit_get.php",
        method: "POST",
        dataType: "json",
        data:{
            id:val
        },
        success: function(data){
            show_visit(data, show_outcome(data.outcome), "outcome");
        },
        error: function(xhr, status, error){
            if(xhr.status==500){
                error_message(xhr);
                alert(xhr.responseJSON.error_message);
            }
            if(xhr.status==400){
                error_message(xhr);
            }
        }
    })
}
function show_outcome(data){

    let html=`<h5 class="mb-
4">Outcome</h5> <select id='outcomeDdl'> <option value='0'>Choose</option>`;
    data.forEach(element => {
        html+=`<option value="${element.idOutcome}">${element.outcome}</option>`;
    });
    html+=`</select><h5 class="mb-
4">Description</h5><textarea rows="5" id="outcomeDescription"></textarea>`;
    return html;
}
function visit_outcome_insert(){
    let val=$(this).val();

```

```

let link=$(this);
let outcome=$("#outcomeDdl");
let outcomeDescription=$("#outcomeDescription");
let submit=[];
submit.push(checkValue(outcome, /^[^0]+$/ , "You must choose outcome"));
submit.push(checkValue(outcomeDescription, /\w+(\s\w+)*$/ , "You must enter the description"));
if(!submit.includes(false)){
    $.ajax({
        url: "models/visit/visit_outcome_insert.php",
        method: "POST",
        dataType: "json",
        data:{
            submit: true,
            outcome: outcome.val(),
            outcomeDescription: outcomeDescription.val(),
            visit: val
        },
        success: function(data){
            link.parent().parent().parent().hide();
            link.next(".assignAgentError").html("");
        },
        error: function(xhr, status, error){
            if(xhr.status==422){
                let html=<ol class='errorText flex3'>;
                xhr.responseJSON.errors.forEach(el => {
                    html+=`<li>${el}</li>`;
                });
                html+="</ol>";
                link.next(".assignAgentError").html(html);
            }
            if(xhr.status==500){
                error_message(xhr);
                alert(xhr.responseJSON.error_message);
            }
            if(xhr.status==400){
                error_message(xhr);
            }
        }
    })
}
}

function agent_get_one(e){
    let val=$(this).data("id");
    e.preventDefault();
    $.ajax({
        url: "models/agents/agent_get_one.php",
        method: "POST",
        dataType: "json",
        data:{
            id:val
        },
        success: function(data){
            show_agent(data);
        },
        error: function(xhr, status, error){
            if(xhr.status==500){
                error_message(xhr);
                alert(xhr.responseJSON.error_message);
            }
        }
    })
}

```

```

        if(xhr.status==400){
            error_message(xhr);
        }
    })
}

function show_agent(data){
    let html=`


<div class="col-lg-3">
        
        <a href="#" class="d-block text-center mt-1" id="show_input">Add new profile photo</a>
        <input type="file" name="agentProfileImg" class="mx-auto" id="agentProfileImg">
    </div>
    <div class="col-lg-9 mx-auto">
        <form class="flex flexWrap">
            <input type="hidden" id="user" name="user" value="${data.agent.idAgent}">
            <div class="col-md-5 col-10 mx-auto blokReg flex3">
                <label for="firstName">First name</label>
                <input type="text" id="firstName" name="firstName" value="${data.agent.firstName}">
            </div>
            <div class="col-md-5 col-10 mx-auto blokReg flex3">
                <label for="lastName">Last name</label>
                <input type="text" id="lastName" name="lastName" value="${data.agent.lastName}">
            </div>
            <div class="col-md-5 col-10 mx-auto blokReg flex3">
                <label for="email">Email</label>
                <input type="text" id="email" name="email" value="${data.agent.email}">
            </div>
            <div class="col-md-5 col-10 mx-auto blokReg flex3">
                <label for="phone">Phone number</label>
                <input type="text" id="phone" name="phone" value="${data.agent.phone}">
            </div>
            <div class="col-md-5 col-10 mx-auto blokReg flex3">
                <label for="linkedin">Linkedin</label>
                <input type="text" id="linkedin" name="linkedin" value="${data.agent.linkLinkedin}">
            </div>
            <div class="col-md-5 col-10 mx-auto blokReg flex3">
                <label for="profession">Profession</label>
                ${agent_type(data)}
            </div>
            <div class="col-11 mx-auto blokReg flex3">
                <label for="desc">Biography</label>
                <textarea id="agentDesc" rows="5">${data.agent.description}</textarea>
            </div>
        <div class="col-5 mx-auto flex3">
            <button type="button" class="posalji m-4" id="editAgentProfile">Submit</button>
        </div>
    </form>
    <div id="formEditProfileErrors"></div>



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```

```

data.type.forEach(element => {
  if(data.agent.idType==element.idType){
    html+=`<option value="${element.idType}" selected="selected">${element.type}</option>`;
  }else{
    html+=`<option value="${element.idType}">${element.type}</option>`;
  }
});
html+="</select>";
return html;
}
function agent_set_photo(){
  var reader= new FileReader()

  reader.addEventListener("load", function(){
    $(".agentProfilePhoto").attr("src", this.result)
  })
  reader.readAsDataURL(this.files[0]);

  let formData=new FormData();
  formData.append("submit", true);
  formData.append("image", this.files[0]);
  formData.append("id", $("#user").val());
  $.ajax({
    url: "models/agents/agent_image.php",
    method: "POST",
    data: formData,
    processData: false,
    contentType: false,
    error: function(xhr, status, error){
      if(xhr.status==500){
        error_message(xhr);
        alert(xhr.responseJSON.error_message);
      }
      if(xhr.status==400){
        error_message(xhr);
      }
    }
  })
}
function edit_agent_profile(){
  let firstName=$("#firstName");
  let lastName=$("#lastName");
  let email=$("#email");
  let phoneNumber=$("#phone");
  let agentType=$("#agentType");
  let agentDesc=$("#agentDesc");
  let linkedin=$("#linkedin");
  let user=$("#user");

  let regExpFN=/^[\u0410-\u0421\u042d\u0427\u042c\u042c][\u043a-\u043f\u043d\u043e\u0431\u043e\u0437\u0430]{2,15}([\u0431-\u043e\u043b\u043e\u0436\u0435\u043d\u0430 [\u0410-\u0421\u042d\u0427\u042c\u042c][\u043a-\u043f\u043d\u043e\u0431\u043e\u0437\u0430]{2,15})*$/;
  let regExpLN=/^[\u0410-\u0421\u042d\u0427\u042c\u042c][\u043a-\u043f\u043d\u043e\u0431\u043e\u0437\u0430]{2,19}([\u0431-\u043e\u043b\u043e\u0436\u0435\u043d\u0430 [\u0410-\u0421\u042d\u0427\u042c\u042c][\u043a-\u043f\u043d\u043e\u0431\u043e\u0437\u0430]{2,19})*$/;
  let regExpEmail=/^[\u0431@\u043e\u0437\u0430]+@[^\u0431]+\u0431.[^\u0431]+\u0431$/;
  let regExpPN=/^\u0431+\u043d{7,20}$/;
  let regExp=/^\u04310]+$/;
  let regExp2=/^\u0431[\u0431\.,]+(\u0431[\u0431\.,]+)*$/;

  let errorTextFN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 16 characters)";
}

```

```

let errorTextLN="Not a valid format. <br/>Format (first capital letter, the word must not be longer than 20 characters)";
let errorTextEmail="Not a valid format";
let errorTextPN="Not a valid format. <br/>Total digits 20";
let errorTextType="You must choose profession";
let errorTextDesc="You must enter the biography";

let submit=[];
submit.push(checkValue(firstName, regExpFN, errorTextFN));
submit.push(checkValue(lastName, regExpLN, errorTextLN));
submit.push(checkValue(email, regExpEmail, errorTextEmail));
submit.push(checkValue(phoneNumber, regExpPN, errorTextPN));
submit.push(checkValue(agentType, regExp, errorTextType));
submit.push(checkValue(agentDesc, regExp2, errorTextDesc));
submit.push(checkValue(agentType, regExp2, errorTextType));

if(!submit.includes(false)){
$.ajax({
  url: "models/agents/update.php",
  method: "post",
  dataType: "json",
  data:{
    submit: true,
    firstName: firstName.val(),
    lastName: lastName.val(),
    email: email.val(),
    phoneNumber: phoneNumber.val(),
    agentType: agentType.val(),
    agentDesc: agentDesc.val(),
    linkedin: linkedin.val(),
    agent: user.val()
  },
  success: function(data){
    $("#formEditProfileErrors").html("<h3 class='p-3 text-center'>You have successfully update profile</h3>");
  },
  error: function(xhr, status, error){
    let html=<ol class='errorText flex3'>;
    if(xhr.status==422){
      xhr.responseJSON.errors.forEach(el => {
        html+=`<li>${el}</li>`;
      });
    }
    if(xhr.status==500){
      html+=`<li>${xhr.responseJSON.error_message}</li>`;
    }
    html+="</ol>";
    $("#formEditProfileErrors").html(html);
    if(xhr.status==400){
      error_message(xhr);
    }
  }
});
}

/* ADMIN PANEL FUNCTIONS END */

```

```

function price(price){
    price=price.substr(0, price.length-3).replace(/\B(?=(\d{3})+(?!\d))/g, ",");
    return price;
}

function real_estate_all(callback){
    $.ajax({
        url: "models/real_estate/real_estate_get_all.php",
        method: "GET",
        success: callback
    });
}

function no_results(div){
    let html=`

# <i class="fas fa-search"></i> Your search did not return any results. Please try again with other information</h1>

`;
    div.html(html);
    $("#paginacija").html("");
}

function pagination(pg){
    let ispis=<ul>;
    for(let i=1; i<=pg; i++){
        if(i==1) ispis+=`<li><a href="#" class="flex2 page aktivan" data-page="${i}">${i}</a></li>`;
        else ispis+=`<li><a href="#" class="flex2 page" data-page="${i}">${i}</a></li>`;
    }
    ispis+=`</ul>`;
    document.getElementById("paginacija").innerHTML=ispis;
}

function show_real_estate(data){
    let html="";
    data.forEach(el => {
        html+=`

<div class="col-lg-5 col-md-10 slika mx-auto">
                
                <span class="sellRent">for ${el.category}</span>
            </div>
            <div class="col-lg-7 col-md-10 flex tekst mx-auto">
                <a href="index.php?page=property&id=${el.idRealEstate}"><h3>${el.title}</h3></a>
                <p>${el.city}, ${el.address}, ${el.country}</p>
                <h4>${price(el.price)} &euro;</h4>
                <p>${el.description}</p>
                <div class="pt-3">
                    <span class="info">  ${el.size}m<sup>2</sup></span>
                    <span class="info">  ${el.bedrooms} Bedrooms</span>
                    <span class="info">  ${el.bathrooms} Bathrooms</span>
                </div>
            </div>
        </div>`;
    });
    $("#nekretnine2").html(html);
}


```

```

}

function error_message(xhr){
    console.error(xhr.responseJSON.error_message);
}

function checkValue(input, regExp, errorText){
    if(!regExp.test(input.val().trim())){
        if(!input.hasClass("error")){
            input.addClass("error");
            input.parent().append(`<span class="errorText">${errorText}</span>`);
        }
        return false
    }else{
        input.removeClass("error");
        input.next(".errorText").hide();
        return true;
    }
}

function match(a, b, bErrorText){
    if(a.val()!=b.val()){
        submit.push(false);
        if(!b.hasClass("error")){
            b.addClass("error");
            b.parent().append(`<span class="errorText">${bErrorText}</span>`);
        }
    }else{
        b.removeClass("error");
        b.next(".errorText").hide();
    }
}

function showModal(){
    $("html").append(`


<div class="mojModal">
        <div class="modalHeader flex1">
            <div id="modalLogoImg" class="col-11 flex">
                
                <h3>Login</h3>
            </div>
            <i class="fas fa-times closeModal"></i>
        </div>
        <form action="#" method="post">
            <div class="modalContent flex2">
                <span><i class="fas fa-envelope"></i> <input type="text" id="loginEmail" name="loginEmail" placeholder="Your email"/></span>
                <span class="errorText" id="loginEmailError"></span>
                <span><i class="fas fa-lock"></i></span> <input type="password" id="loginPassword" name="loginPassword" placeholder="Your password"/><span class="errorText" id="loginPasswordError"></span>
                <p class="textLoginRegister">Don't have an account? Click here to <a href="index.php?page=register">sign up.</a></p>
            </div>
            <div class="modalFooter"><input type="button" id="login" value="Login"></div>
        </form>
    </div>
`);
    $(".modalContent input").focus(function(){


```

```

        $(this).prev().css("color", "rgb(43, 65, 187)");
    });
    $(".modalContent input").blur(function(){
        $(this).prev().css("color", "rgb(0, 0, 0)");
    });
    $(".mojModal .closeModal").click(function(){
        $(".mojModalContainer").css("display", "none");
    })
}

function login(e){
    e.preventDefault();
    let email=$("#loginEmail");
    let password=$("#loginPassword");

    let regExpEmail=/[^@]+@[^@]+\.[^@\.\.]+$/;
    let regExpPassword=/^\w{10,}$/;

    let errorTextEmail="Not a valid format";
    let errorTextPassword="Word length must be minimum 10";

    let submit=true;
    if(!regExpEmail.test(email.val().trim())){
        $("#loginEmailError").text(errorTextEmail);
        submit=false;
    }else{
        $("#loginEmailError").text("");
    }
    if(!regExpPassword.test(password.val().trim())){
        $("#loginPasswordError").text(errorTextPassword);
        submit=false;
    }else{
        $("#loginPasswordError").text("");
    }

    if(submit){
        $.ajax({
            url: "models/login/login.php",
            method: "post",
            dataType: "json",
            data:{
                submit: true,
                email: email.val(),
                password: password.val()
            },
            success: function(data){
                window.location.reload();
            },
            error: function(xhr, status, error){
                if(xhr.status==422){
                    if(xhr.responseJSON.errorPassword){
                        $("#loginPasswordError").text(xhr.responseJSON.errorPassword);
                    }
                    if(xhr.responseJSON.errorEmail){
                        $("#loginEmailError").text(xhr.responseJSON.errorEmail);
                    }
                }
                if(xhr.status==500){
                    error_message(xhr);
                }
            }
        });
    }
}

```

```
        alert(xhr.responseJSON.error_message);
    }
    if(xhr.status==400){
        error_message(xhr);
    }
})
);
}
}

function logout(e){
e.preventDefault();
$.ajax({
url: "models/logout/logout.php",
method: "post",
success: function(){
    window.location="index.php?page=home";
}
})
}

function profile(){
$(".profilePopup").slideToggle()
}

function disabled(e){
e.preventDefault();
alert("You cannot schedule a visit to your own property");
}
```