

VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA
INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

INTERNET TEHNOLOGIJE

DOKUMENTACIJA

Real Estate

<https://realestatebrzi.000webhostapp.com/index.php?page=home>

Predmet: Praktukum iz web programiranja PHP

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Beograd, jun 2021

Contents

1.UVOD.....	6
1.1 Korišćeni programski jezici i okruženja.....	6
1.2 Opis funkcionalnosti	6
1.2.1 Admin panel	6
1.2.2 Properties.....	7
1.2.3 Straničenje.....	7
1.2.4 Contact	7
1.2.5 Registracija i logovanje.....	7
1.2.6 Prikaz sadržaja.....	8
1.2.7 Dinamički meni.....	8
1.3 Template.....	8
1.4 Korišćeni CSS.....	9
2. Organizacija.....	9
2.1. Organizaciona šema	9
2.1.1 Šema sajta	9
2.1.2 Šema baze	10
2.1.3 Organizacija foldera	10
2.1.4 Organizaciona šema linkova.....	12
2.2. Mapa sajta	12
2.3. Stranice.....	13
2.3.1 Home	13
2.3.2 Properties.....	15
2.3.3 Sell	17
2.3.3 Form	19
2.3.4 Contact	21
2.3.5 Author	23
2.3.6 Register.....	23
2.3.7 Property.....	24
2.3.8 User Property	26
2.3.9 Edit Property	26
2.3.10 Edit Profile	28
2.3.11 Admin Panel	29
2.3.11.1 Home	30

2.3.11.2 Admin Users	30
2.3.11.3 Admin Email	32
2.3.11.4 Admin Real Estate	33
2.3.12 Agent Panel	36
3. Kodovi.....	38
3.1 Root	38
3.1.1 index.php.....	38
3.2 Views	39
3.2.1 Fixed	39
3.2.1.1 head.php	39
3.2.1.2 header.php.....	39
3.2.1.3 footer.php	40
3.2.2 Pages	42
3.2.2.1 author.php.....	42
3.2.2.2 contact.php	43
3.2.2.3 editProperty.php	45
3.2.2.4 form.php.....	52
3.2.2.5 home.php	58
3.2.2.6 properties.php.....	65
3.2.2.7 property.php	68
3.2.2.8 register.php	75
3.2.2.9 sell.php	78
3.2.2.10 userProperty.php	83
3.2.3 Admin	85
3.2.3.1 adminPanel.php	85
3.2.4 Errors.....	93
3.2.4.1 403.php	93
3.2.4.2 404.php	93
3.3 Models.....	94
3.3.1 Agents.....	94
3.3.1.1 agent_get_all.php	94
3.3.1.2 agent_get_one.php	94
3.3.1.3 agent_image.php	96
3.3.1.4 export_excel.php.....	98
3.3.1.5 update.php	100
3.3.2 Captcha.....	102

3.3.2.1 captcha.php.....	102
3.3.2.2 get_captcha_text.php	102
3.3.3 Login	103
3.3.3.1 functions.php	103
3.3.3.2 login.php.....	103
3.3.4 Logout.....	105
3.3.4.1 functions.php	105
3.3.4.2 logout.php	105
3.3.5 Nav	105
3.3.5.1 navigation.php.....	105
3.3.6 Real_estate.....	108
3.3.6.1 delete.php	108
3.3.6.2 deleteImage.php	109
3.3.6.3 functions.php	109
3.3.6.4 get_city.php.....	113
3.3.6.5 get_floors.php.....	114
3.3.6.6 insert.php	115
3.3.6.7 new_real_estate.php	121
3.3.6.8 real_estate_activate.php	122
3.3.6.9 real_estate_approve.php.....	123
3.3.6.10 real_estate_get_all.php	124
3.3.6.11 real_estate_get_deleted.php.....	126
3.3.6.12 real_estate_get_one.php.....	128
3.3.6.13 real_estate_get_unapproved.php	134
3.3.6.14 update.php.....	135
3.3.7 Registration	141
3.3.7.1 registration.php.....	141
3.3.8 Users.....	142
3.3.8.1 download_word_author.php.....	142
3.3.8.2 email_new.php.....	143
3.3.8.3 email_readed.php	143
3.3.8.4 email_update.php	144
3.3.8.5 export_excel.php.....	145
3.3.8.6 functions.php	147
3.3.8.7 send_mail.php.....	149
3.3.8.8 update.php.....	151

3.3.8.9 user_get_all.php.....	157
3.3.8.10 user_get_one.php	157
3.3.9 Visit.....	159
3.3.9.1 agent_visit_get.php.....	159
3.3.9.2 agent_visit_insert.php.....	160
3.3.9.3 visit_get_all.php	161
3.3.9.4 visit_outcome_insert.php	162
3.3.9.5 visit.php	164
3.3.10 Head	166
3.3.10.1 functions.php	166
3.4 Config.....	167
3.4.1 config.php.....	167
3.4.2 connection.php	167
3.5 Assets.....	169
3.5.1 style.css	169
3.5.2 main.js	217

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 odredjenoj 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 spavaćih 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

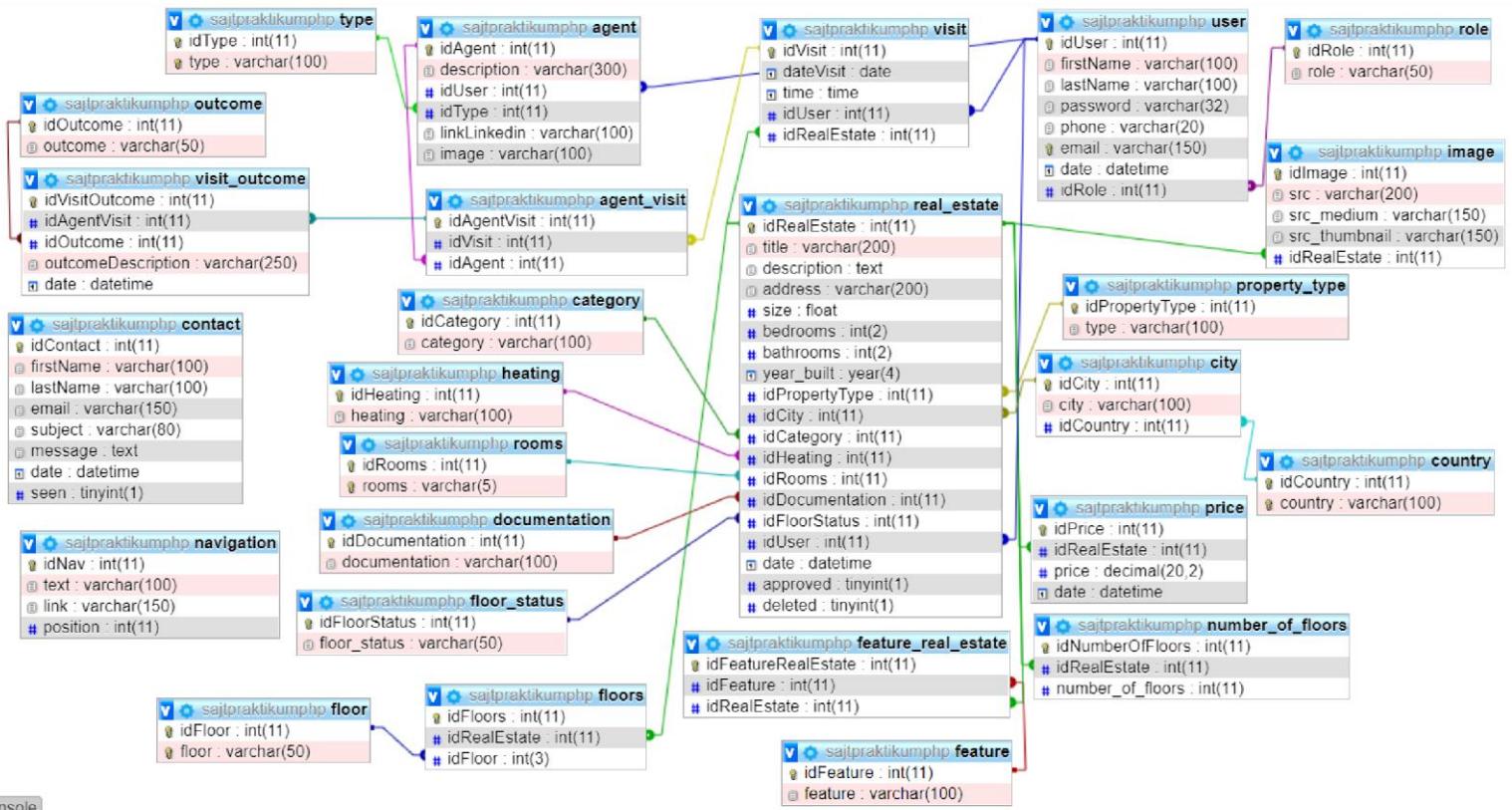
```
<link href="https://unpkg.com/aos@2.3.1/dist-aos.css" rel="stylesheet">
<link rel="stylesheet" href="assets/css/bootstrap.min.css" type="text/css">
<link rel="stylesheet" href="assets/css/slick.css" type="text/css">
```

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

```
> assets  
> config  
> data  
> models  
> views  
dokumentacija.pdf  
index.php  
robots.txt  
sitemap.xml
```

```
assets  
> css  
> cssAdmin  
> images  
> img  
> img_agent  
> js
```

```
css  
# bootstrap-grid.min.css  
# bootstrap.min.css  
# slick-theme.css  
# slick.css  
# style.css
```

```
config  
|.env  
config.php  
connection.php
```

```
js  
JS bootstrap.bundle.min.js  
JS bootstrap.min.js  
JS jquery-3.4.1.min.js  
JS jquery.min.js  
JS jquery.nanoscroller.min.js  
JS main.js  
JS scripts.js  
JS sidebar.js  
JS slick.min.js
```

```
agents  
agent_get_all.php  
agent_get_one.php  
agent_image.php  
export_excel.php  
update.php
```

```
real_estate  
delete.php  
deletelImage.php  
functions.php  
get_city.php  
get_floors.php  
insert.php  
new_real_estate.php  
real_estate_activate.php  
real_estate_approve.php  
real_estate_get_all.php  
real_estate_get_deleted.php  
real_estate_get_one.php  
real_estate_get_unapproved.php  
update.php
```

```
captcha  
captcha.php  
get_captcha_text.php
```

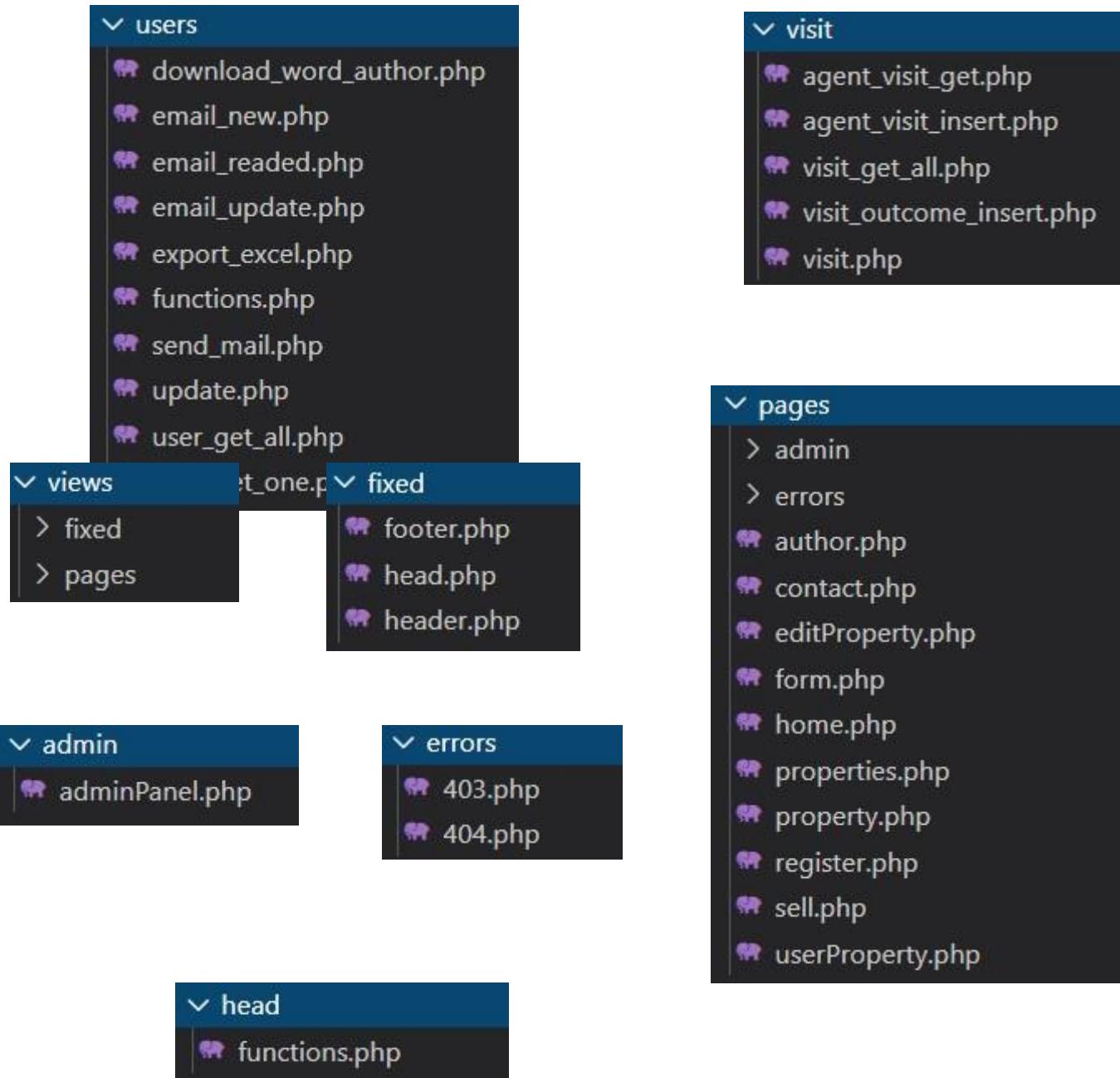
```
login  
functions.php  
login.php
```

```
logout  
functions.php  
logout.php
```

```
models  
> agents  
> captcha  
> head  
> login  
> logout  
> nav  
> real_estate  
> registration  
> users  
> visit
```

```
nav  
navigation.php
```

```
registration  
registration.php
```



2.1.4 Organizaciona šema linkova

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

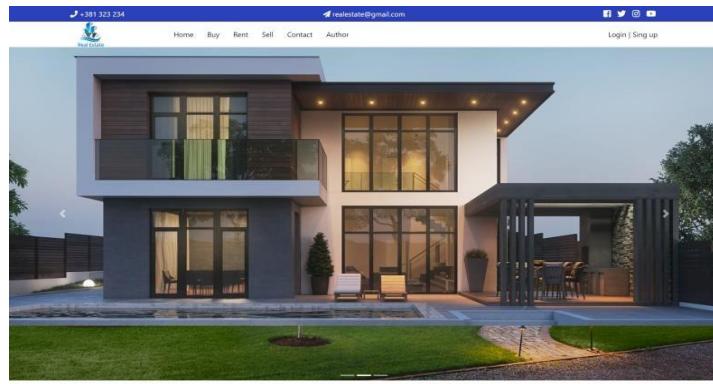
ErrorDocument 403 http://www.realestate.epizy.com/praktikum_php_sajt/index.php?page=403

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>2021-6-10</lastmod>
    <changefreq>weekly</changefreq>
    <priority>1</priority>
  </url>
</urlset>
```

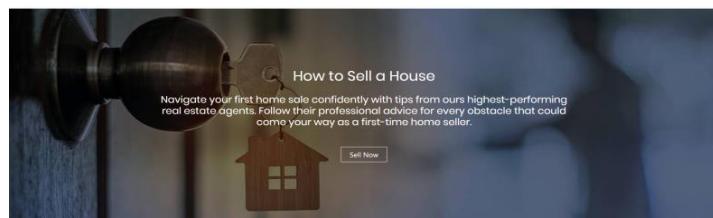
2.3. Stranice

2.3.1 Home



New listings

Price: 200.000€ Bed: 2 Bath: 1 Area: 85 m² Address: Jurja Gagarina, Belgrade, 1	Price: 85.000€ Bed: 3 Bath: 1 Area: 85 m² Address: Bulevar kralja Aleksandra, I	Price: 220.000€ Bed: 2 Bath: 1 Area: 98 m² Address: Cara Dusana, Belgrade, Seli	Price: 250.000€ Bed: 3 Bath: 4 Area: 535 m² Address: Bulevar Oslobođenja, Bel



Our real estate agents

Marko Markovic
Selling Agent

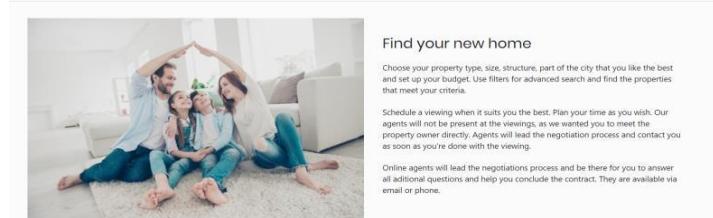
Lorem ipsum dolor sit amet, aliquia. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Nenad Jovanovic
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.

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 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.

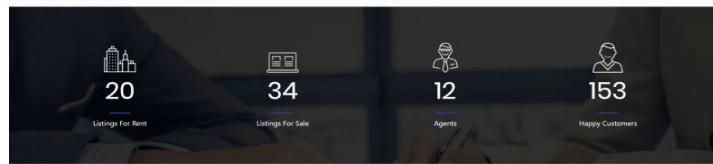
Online agents will lead the negotiations process and be there for you to answer all additional questions and help you conclude the contract. They are available via email or phone.



We are the leaders in sell and rent houses.

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

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



Our Partners



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
[Facebook](#) [Twitter](#) [Instagram](#) [YouTube](#)

Home
Buy
Rent
Sell
Contact
Author
[Login](#) | [Sing up](#)

Search properties for sell

Property type	Country	City
<input type="text"/>	<input type="text"/>	<input type="text"/>
Sort	Price	Size
<input type="text"/> Choose	<input type="text"/> Min	<input type="text"/> Max
Bedrooms	Bathrooms	
<input type="text"/> Any	<input type="text"/> Any	<input type="button" value="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.

1690m² 3 Bedrooms 3 Bathrooms

1 2

QUICK LINKS

[f](#) [t](#) [i](#)
[y](#) [s](#) [g+](#)

MENU

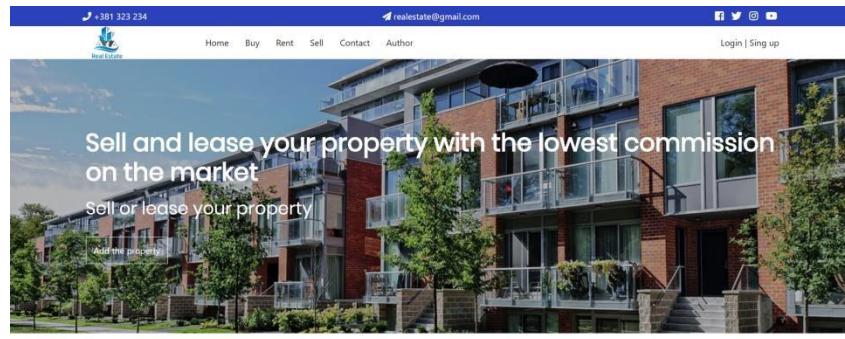
[Home](#)
[Buy](#)
[Rent](#)
[Sell](#)
[Contact](#)
[Author](#)

CONTACT

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

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.

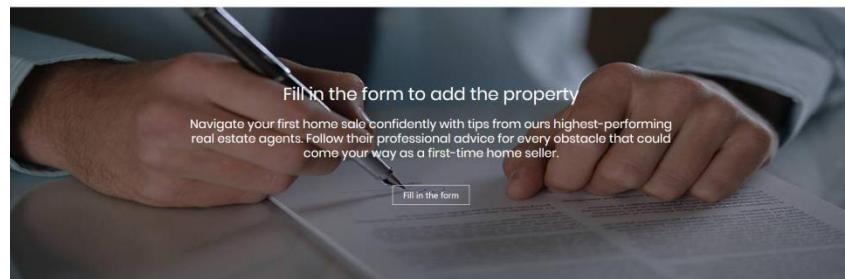
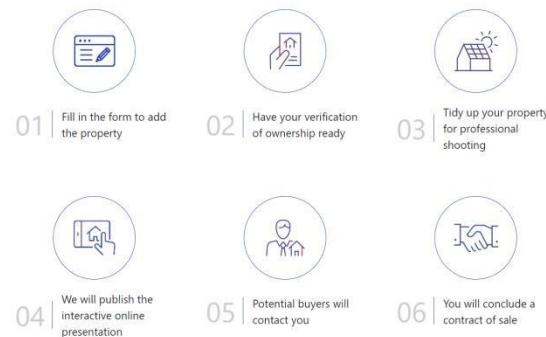
2.3.3 Sell



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 approach property viewings. We increased the availability by transferring the agents from the field to our offices. We completed the most important task by switching to the online model, we were able to reduce our costs and offer the lowest commission on the market.



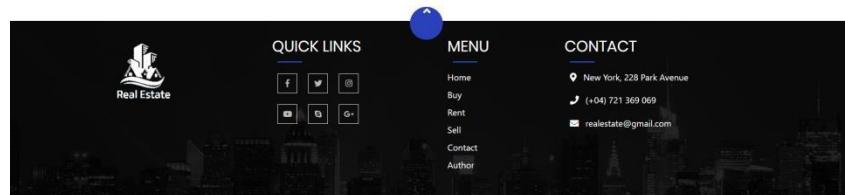
We value your time

Since users know in advance how your property looks like, you can expect to meet only sincerely interested buyers. And if you need an 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 opened new possibilities for negotiation. Buyers already know what they want to buy, so viewing is usually 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

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 <input type="text"/>	City <input type="text"/>
Address <input type="text"/>	

Listing Details
Add a little more info about your property.

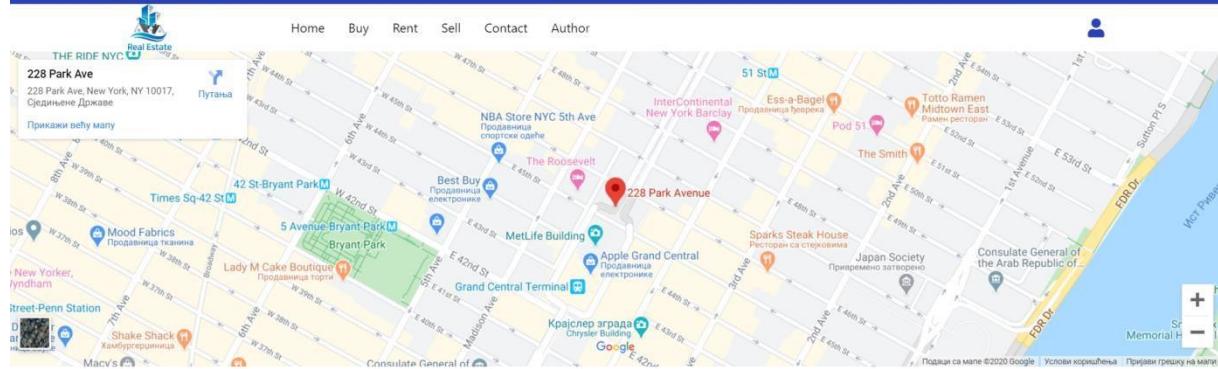
House size in m ² (*only numbers) <input type="text"/>	Rooms (*only numbers) <input type="text"/>
Bedrooms (*only numbers) <input type="text"/>	Bathrooms (*only numbers) <input type="text"/>
Year Built (*numeric) <input type="text"/>	Heating <input type="text"/>
Registration <input type="text"/>	Floors <input type="text"/>

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

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

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

Enter First name

Last name

Enter Last name

Email

Enter Email

Subject

Enter Subject

Message

Address

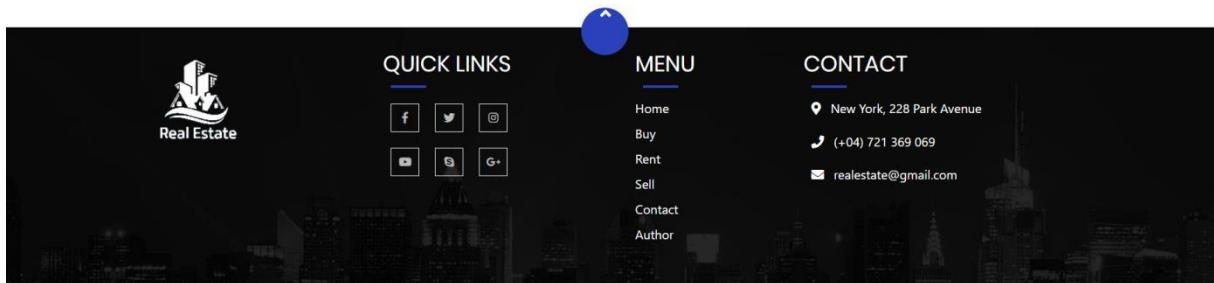
New York 11673 Collins Street West, Victoria
800002, United State.

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's a blue header bar with a phone icon and the number '+381 323 234', an email icon and 'realestate@gmail.com', and social media icons for Facebook, Twitter, Instagram, and YouTube. Below the header is a navigation menu with links for Home, Buy, Rent, Sell, Contact, and Author. On the right side of the header, there are 'Login' and 'Sing up' buttons. The main content area features a large image of a young man in a green jacket holding glasses. To his right is a text box containing a bio about Nikola Brzovan, followed by a 'Word document' download button. At the bottom, there's a dark footer bar with a logo, 'QUICK LINKS' with social media icons for Facebook, Twitter, and Instagram, 'MENU' with a 'Home' link, and 'CONTACT' with an address 'New York, 228 Park Avenue'.

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 a phone number (+381 323 234), an email address (realestate@gmail.com), and social media icons for Facebook, Twitter, Instagram, and YouTube. Below the header, there is a navigation menu with links to Home, Buy, Rent, Sell, Contact, and Author. On the right side of the header, there are links for Login and Sing up. The main content area has a title "REGISTER" centered above a form. The form consists of several input fields: First name, Last name, Email, Phone number, Password, and Password Confirm. Below these fields is a CAPTCHA challenge with the text "Type the word:" followed by a text input field containing "1 N Y W g 2 P 3". To the left of the CAPTCHA is a small image of a city skyline. On the right side of the form is a blue "Submit" button. At the bottom of the page is a dark footer bar with the website logo "Real Estate" on the left. In the center of the footer, there is a "QUICK LINKS" section with icons for Facebook, Twitter, Instagram, YouTube, and Google+. To the right of this is a "MENU" section with links to Home, Buy, Rent, Sell, Contact, and Author. On the far right 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"). A blue circular arrow icon is positioned at the top center of the footer bar.

First name

Last name

Email

Phone number

Password

Password Confirm

Type the word:

Submit

1 N Y W g 2 P 3

Real Estate

QUICK LINKS

MENU

CONTACT

New York, 228 Park Avenue

(+04) 721 369 069

realestate@gmail.com

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

The screenshot shows a real estate website for "Real Estate". 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. The main content area features a large image of a modern living room with a sofa, a dining table, and a kitchen area. Below the main image is a row of smaller thumbnail images showing different parts of the apartment. To the right of the images, the text "Apartment for rent in Belgrade" and "Belgrade, Jurića Gagarina, Serbia" is displayed. A large white box contains the rental price "700 €", the original price "600 €", and a heart icon. It also lists the area "85 m²", heating type "floor heating", and bedrooms "2". Below this are fields for "Select date" and "Select time", and a prominent blue button labeled "Schedule visit".

Property info

Floor	6	Number of floors	12
Price per m ²	8€	Area	85 m²
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.

The footer of the website features a dark background with a city skyline silhouette. On the left is the "Real Estate" logo. In the center, there is a "QUICK LINKS" section with icons for Facebook, Twitter, Instagram, YouTube, and Google+. To the right, there is a "MENU" with links to Home, Buy, Rent, Sell, Contact, and Author. Further right 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").

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 icon (+381 323 234), an email icon (realestate@gmail.com), and social media links (Facebook, Twitter, Instagram, YouTube). The main navigation menu includes Home, Buy, Rent, Sell, Contact, Author, and a user profile icon. Below the header, there are 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 dark footer section with a city skyline background. It features the Real Estate logo, social media links (Facebook, Twitter, Instagram, YouTube, Google+), a quick links section with icons for each, a menu with links to Home, Buy, Rent, Sell, Contact, and Author, and a contact section with an address (New York, 228 Park Avenue), phone number ((+04) 721 369 069), and email (realestate@gmail.com).

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

Registration

Number of floors

12

Amenities and Features

Edit what features and amenities apply for your property.

pool

pantry

balcony

storage

back yard

garage

intercom

basement

phone

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 website. 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. Below the header, the 'Real Estate' logo is visible. The main content area has a light gray background. It contains several input fields for profile information: '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 blue 'Submit' button is located at the bottom of the form. Below this, there is a footer section with a dark background featuring a city skyline silhouette. It includes a 'QUICK LINKS' section with icons for Facebook, Twitter, Instagram, YouTube, LinkedIn, and Google+, and a 'MENU' section 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).

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 odrađena 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 Real Estates. The main content area has a header "Hello, Welcome Nemanja". Below it is a chart titled "Access to the site over the past 24 hours as a percentage" showing activity across different categories. A box labeled "Number of login users" displays the value "1".

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

Number of login users
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's user management interface. On the left, a dark sidebar menu lists various sections: Home, User, Agents, Admins, Export Excel, Email, and Real Estate. Under 'User', 'Users' is selected and highlighted in blue. The main content area displays two user profiles in cards:

- ID: 4**
Name: Pera Perić
Email: pera@gmail.com
Mobile phone: 12345678
Registered: 2020-05-21 18:14:08
- ID: 13**
Name: Mika Mikic
Email: mika@gmail.com
Mobile phone: 0574839453
Registered: 2020-05-22 11:53:05

Each card includes a blue edit icon (pencil) 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

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 Mikić
Email: mika@gmail.com
Mobile phone: 0574839453
Registered: 2020-05-22 11:53:05

2.3.11.3 Admin Email

The screenshot shows the 'Real Estate' application's inbox page. On the left is a dark sidebar with navigation links: Home, User, Users, Agents, Admins, Export Excel, Export Users, Export Agents, Email, New emails (which is highlighted in blue), Readed emails, Real Estate, Real estates, New real estates, and Deleted real estates. The main area displays two new emails. The first email is from 'Marko Markovic' (marko.markovic@gmail.com) sent on '2020-06-11 10:47:30'. The subject is 'Slanje mejla' and the body contains 'Neki tekst.' A blue checkmark icon is to the right of the message. The second email is from 'Jovan Jovanovic' (jovan.jovanovic@gmail.com) sent on '2020-06-11 10:48:15'. The subject is 'Slanje mejla' and the body contains 'Neki tekst, neki tekst.' Another blue checkmark icon is to the right of this message.

This screenshot shows the same application interface as the previous one, but the 'Readed emails' link in the sidebar is now highlighted in blue. The main area displays two read emails. The first email is from 'Pera Peric' (pera@gmail.com) sent on '2020-05-30 20:54:59'. The subject is 'Proba mejl' and the body contains 'proba slanja mejla'. The second email is from 'Nemanja Maksimovic' (nemanjamaksimovic13081999@gmail.com) sent on '2020-05-31 12:59:57'. The subject is 'Proba' and the body contains 'Neki tekst.' Both messages have an unchecked status icon to their right.

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.

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

 House for Sale in Belgrade
Belgrade, Bulevar Oslobođenja, Serbia
250,000 €

 House for Sale in Zemun
Belgrade, Prvomajska, Serbia
80,000 €

 House for Sale Slavija
Belgrade, Deligradska, Serbia
250,000 €

1 2

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

 House for Sale in Belgrade
Belgrade, Bulevar Oslobođenja, Serbia
250,000 €

 Apartment for rent in Belgrade
Belgrade, Jurija Gagarina, Serbia
700 €

Administratoru je omogućeno da briše i odobrava nove nekretnine.

The screenshot shows a left sidebar with a dark blue background containing various navigation options. The 'Deleted real estates' option is highlighted with a blue background. The main content area displays a listing for an apartment for sale. The listing includes a thumbnail image of a living room, the title 'Apartment for sale', the location 'Belgrade, Cara Dušana, Serbia', and the price '230,000 €'. There is also a small blue upload icon.

Administratoru je omogućeno ponovo da aktivira obrisane nekretnine.

The screenshot shows a left sidebar with a dark blue background containing various navigation options. The 'Scheduled visits' option is highlighted with a blue background. The main content area displays a listing for a house for sale in Zemun. The listing includes a thumbnail image of a house with a pool, the title 'House for Sale in Zemun', the location 'Belgrade, Prvomajska, Serbia', and the price '80,000 €'. Below the listing, there are sections for 'Client' and 'Assign agent'. The 'Client' section shows details: Name: Pera Perić, Mobile phone: 12345678, Email: pera@gmail.com, and Time of visit: 2020-06-25, 11:00:00. The 'Assign agent' section has a dropdown menu labeled 'Choose' and a button labeled 'Assign'.

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

The screenshot shows the Agent Panel interface for a real estate application. On the left is a dark sidebar with a navigation menu:

- Real Estate
- Visit
- Visit Outcome** (highlighted in blue)
- Extra
- Profile
- Logout

The main content area displays a photograph of a modern living room with a sofa, armchair, and coffee table. A small blue "for rent" sign is visible in the top right corner of the photo.

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 Outcome

Extra

Profile

Logout

Hello, Welcome Nenad

Add new profile photo

First name: Nenad

Last name: Jovanović

Email: nenad.jovanovic@gmail.com

Phone number: +38132343223

LinkedIn: https://www.linkedin.com/

Profession: Selling Agent

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

Submit



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($_GET["admin"])){
header("Location: ".$_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 '403': include
"views/pages/errors/403.php"; break; case '404': include
"views/pages/errors/404.php"; break;
    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, House, Apartment, Buy, Rent, Agents'?>/>
    <meta name="author" content="Nikola Brzovan"/>
    <meta name="description" content=<?=isset($meta['description'])?$meta['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.'?>/>
    <title><?=isset($meta['title'])?$meta['title']: 'Real Estate | Homes for Sale, Purchase and Rental'?> </title>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.1/css/all.css" integrity="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-paperplane"></i>
realestate&#64;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>
    <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 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>
    
```

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="crt2"></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="crt2"></p>
                        <?= footer_nav();?>
                    </div>
                    <div class="col-lg-4 col-md-5 col-sm-5 blokFooter">
                        <h3>CONTACT</h3>
                        <p class="crt2"></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.com</p>
                    </div>
                </div>
            </div>
        </div>
        <div id="copyright" class="col-12 flex2 p-4 textcenter">Copyright 2021 by Nikola Brzovan. All Rights Reserved.</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 Nikola Brzovan, potičem iz jednog sela nadomak Pančeva, student sam Visoke ICT škole, završio sam Gimnaziju, oduvek sam se interesovao za računare i modernu tehnologiju i na taj način sam zavoleo programiranje i s ebe vidim kao budućeg web programera.</p>
            <div class="col-12 mt-4 flex flexWrap">
                <a href="models/users/download_word_author.php" class="posaljim-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!2d73.97839728515818!
3d40.754329842962775!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x89c258
fdf71d54cd%3A0x824fb82f415fb12f!2zMjI4IFBhcmsgQXZ1LCBOZXcgWW9yaywgT1kgMTAwMTcsINCh0ZjQtdC00LjRmtC
10L3QtSDQ1NGA0LbQsNCy0LU!5e0!3m2!1ssr!2srs!4v1587665573108!5m2!1ssr!2srs"    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>
</div>

```

```

<?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">

```

3.2.2.3 editProperty.php

```

<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"><?=$real_estate->description?></textarea>
            </div>
        <div class="col-10 mx-auto formBlock flex">
            <div class="col-lg-4 col-md-12">
                <h5>Property Price</h5>
            </div>
            <div class="col-lg-8 col-md-12 flex3 formInputs">
                <label for="title">Price (*)</label>
                <input type="text" name="price" id="price" value="<?=$real_estate->price?>">
            </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); $i++) :?>
                            <div class="editImages">
                                title?>">
                                    <a href="#" class="deleteImage flex2" title="Delete image" data-id="<?=$images_real_estate[$i]->idImage?>"><i class="fas fa-times"></i></a>
                            </div>
                        <?php endfor;?>
                    </div>
                <input type="file" class="p3" name="images[]" id="images" multiple="multiple">
                <div id="imageList"></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='selected'":true?>><?=$r->rooms?></option>
                    <?php endforeach;?>
                </select>
            </div>
            <div class="col-md-5 col-sm-12">
                <label for="bedrooms">Bedrooms (*only numbers)</label>
                <input type="text" name="bedrooms" id="bedrooms" value="<?=$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='selected'":true?>><?=$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="=$d-&gt;idDocumentation?&gt;" &lt;?=$real_estate-</pre
```

```

>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 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="crtat2"></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="price">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->id.PropertyType?>"><?=$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="p3"
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&gt;
</pre

```

```
<div class="col-12">
  <label for="address">Address</label>
  <input type="text" name="address" id="address">
</div>
</div>
```

```
</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 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="addPropertyErrors"></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>
    <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-controlnext"
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 highestperforming 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>
        </div>
    </div>
</div>

```

<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 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>

```



```
<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>

                    </select>
                </div>
                <div class="flex3 mx-auto col-lg-4 col-10">
                    <label for="sort">Sort</label>
                    <select name="sort" id="sort">

                        <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 id="nekretnine2"></div>
</div>
<div class="container-fluid" id="paginationContainer">
<div class="row">
    <div class="col-12" id="paginacija"></div>
</div>
</div>

```

```

<?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">

```

3.2.2.7 property.php

```

<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 $im): ?>
                <div>
                    title?>" draggable="false"/>
                </div>
            <?php endforeach;?>
        </div>
        <p id="propertyTypeCity"><?=$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-pencilruler blue"></i>
<p><?=$real_estate->size?> m<sup>2</sup></p></span>
<span class="flex"><i class="fas fa-thermometer-threequarters blue"></i>
<p><?=get_heating_real_estate($id)?></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 $f):?> <p>
                <?php
                    class="featureProperty"><?=$f?></p>
                <?php endforeach;?>
            </?php
        
```

```
</div>
<div class="col-12"><h3>Description</h3></div>
```

```
<div class="col-lg-6">
<?=$real_estate->description?>
</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">
            <?=($user)?><h1>EDIT PROFILE</h1>:<h1>REGISTER</h1>"?>
            <p class="crtaz"></p>
        </div>
        <div class="col-10 mx-auto flex2">
            <form class="flex">
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="firstName">First name</label>
                    <input type="text" id="firstName" name="firstName" value="<?=($user)?$user->firstName:""?>">
                </div>
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="lastName">Last name</label>
                    <input type="text" id="lastName" name="lastName" value="<?=($user)?$user->lastName:""?>">
                </div>
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="email">Email</label>
                    <input type="text" id="email" name="email" value="<?=($user)?$user->email:""?>">
                </div>
                <div class="col-md-5 col-10 mx-auto blokReg flex3">
                    <label for="phone">Phone number</label>
                    <input type="text" id="phone" name="phone" value="<?=($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 endif:>
        </form>
    </div>
</div>

```

```

<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($user))?"Enter old password to confirm changes":"Password Confirm"?></label>
        <input type="password" id="passwordConfirm">
    </div>
    <?php if(!isset($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":"registration"?>">Submit</button>
        </div>
    </form>
</div>
<div id="formRegisterErrors" class="col-8 mx-auto"></div>
</div>
</div>

```

```

<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 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 professional team at your service, you can sell your property on the spot, with the lowest commissi

```

[REDACTED]

3.2.2.9 sell.php

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>
 <div class="flex">


```

        <p class="broj">05</p>
        <p class="crtta"></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="crtta"></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

```

```

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><?=$rs->price?> &euro;</h4>
            </div>
            <div class="col-2 flex2 editDelete">
                <a href="index.php?page=editProperty&id=<?=$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="Nikola Brzovan"/>  
        <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, Serbi  
a 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+nqUivzIebhndOJK28anvf" 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="tihome"></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="tiemail"></i> New emails</a></li>
            <li><a href="#" id="readed_emails"><i class="tiarchive"></i> Readed emails</a></li>

            <li class="label">Real Estate</li>
            <li><a href="#" id="real_estates"><i class="tihome"></i> Real estates </a></li>
            <li><a href="#" id="new_real_estates"><i class="tiarchive"></i> New real estates </a></li>
            <li><a href="#" id="deleted_real_estates"><i class="titrash"></i> Deleted real estates </a></li>
            <li><a href="#" id="scheduled_visits"><i class="titimer"></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>
    </div>
</div>
<!--/# sidebar -->



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



# Hello,

Welcome



<section id="main-content">
<?php if($_SESSION["user"]->idRole==2):?>
    <h4 class="textcenter">Access to the site
over the past 24 hours as a percentage</h4>
    <div class="tableContainer col-10 mx-auto">
        <table id="access">
            <tr>
                <?php foreach($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>

<script src="assets/js/jquery.min.js"></script>
<script src="assets/js/jquery.nanoscroller.min.js"></script>

<script src="assets/js/sidebar.js"></script>

<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--&gt;

&lt;/body&gt;

&lt;/html&gt;</pre>
```

```
<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 H
```

```
omepage</a>
</div>
```

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>
```

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.i  
dType=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();  
        $data[ "type"]=$prepareType->fetchAll();  
    }  
}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); ?>
```

```
        }
    }
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": 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.i  
dType=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"]);

    $errors=[];
    if(!preg_match("/^[\u0100-\u017F][\u0100-\u017F]{2,15}(\s[\u0100-\u017F][\u0100-\u017F]{2,15})*$/", $firstName)){
        $errors[]="The name is not in good format";
    }           if(!preg_match("/^[\u0100-\u017F][\u0100-\u017F]{2,19}(\s[\u0100-\u017F][\u0100-\u017F]{2,19})*$/", $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)){
        $errors[]="The linkedin url is not in good format";
    }           if(!preg_match("/^[\w\.,]+(\s[\w\.,]+)*$/",
$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;
$array="QWERTYUIOPASDFGHJKLMNOPqwertyuiopasdfghjklzxcvbnm1234567890";
function captcha_text($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; $i++){
    imagettftext($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"])){
```

```

        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='liCrtA'>|</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=$idUser'>My properties <span clas
s='numberRealEstates'>$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=$idUser'>Edit profile <i class='fas faedit'></i></a>
        <a href='index.php?page=userProperty&id=$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.idCount  
ry INNER JOIN property_type pt ON pt.idPropertyType=rs.idPropertyType INNER JOIN image i ON i.idI
```

```

image=(SELECT idImage FROM image WHERE rs.idRealEstate=idRealEstate ORDER BY idImage LIMIT 1) INNER
R 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 pri
ce 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.idP
ropertyType=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, $he
ight);           imagecopyresampled($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, $location.$im
eName); break;
    case "image/png": imagepng($image_medium, $location.$imageName_medium); imagepng($image_t
humbnail, $location.$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)){
        $errors[]="The price is not in good format";
    }  
    if(!preg_match("/^([A-ZĐŽĆĆ][a-zđžćć]{2,30})(\\,)?\\s[A-  
ZŠĐŽĆĆazđžćć]{2,30})*($|\\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"]);
}
if(isset($_POST["sizeMin"])) && $_POST["sizeMin"]!=""
&& is_numeric($_POST["sizeMin"])){

```

```
<?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 pri-
ce 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.idP-
ropertyType=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.idAgentVi-
sit=vo.idAgentVisit)";
$prepare=$connection->prepare($query);
try{

```

```

        $sizeMin=trim($_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

```
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 $documentation;
}
else{
    return "NO";
}
} function
get_heating_real_estate($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 $heating;
}
else{
    return "NO";
}
} function
get_features_real_estate($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;
}
?>

```



```
<?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"];
```

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 pri
ce 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.idP
ropertyType=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

```

}
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(!preg_match("/^\w+(\s\w+)*$/",
trim($title))){
            $errors[]="The title is not in good format";
        } else if(!preg_match("/^\d+$/",
trim($price))){
            $errors[]="The price is not in good format";
        } else if(!preg_match("/^([A-ZŠĐĆĆ][a-zđžćć]{2,30})(,\s*)*[A-"
ZŠĐĆĆazđžćć]{2,30})*(\s*\d*\w?)*$/",
$address)){
            $errors[]="The address is not in good format";
        } else if(!preg_match("/^\d{2,4}$/",
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";
}

```



```

        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][azđžćć]{2,15})*/", $firstName)){
            $errors[]="The name is not in good format";
        }
        if(!preg_match("/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,19})(\s[A-ZŠĐŽĆĆ][azđžćć]{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: Nikola Brzovan";
$text2="My name is Nikola Brzovan, 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"]);

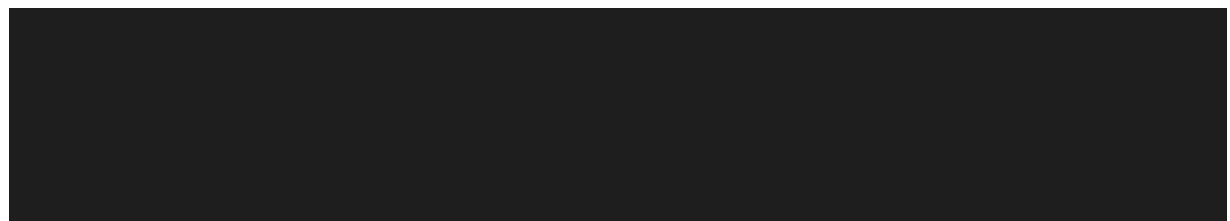
    $errors=[];
    if(!preg_match("/^[\u0100-\u017F][\u0100-\u017F\u0100-\u017F]{2,15}([\u0100-\u017F][\u0100-\u017F\u0100-\u017F]*)$/i", $email)) {
        $errors[]="Email address is invalid";
    }
    if(empty($subject)) {
        $errors[]="Subject is required";
    }
    if(empty($message)) {
        $errors[]="Message is required";
    }
}
```

```

zšččč]{2,15})*$/",
    $errors[]="The first name is not in good format";
}
if(!preg_match("/^A-ZŠĐŽĆĆ][a-zđžčč]{2,19}(\s[A-
ZŠĐŽĆĆ][azđžčč]{2,19})*$/",
    $lastName)){
    $errors[]="The last name is not in good format";
}
if(!preg_match("/^\\w+(\s\\w+)*$/",
$subject)){
    $errors[]="The subject is not in good format";
}
if(!preg_match("/^[\w\\.,]+(\s[\w\\.,]+)*$/",
$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="brzi13081999@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-ZŠĐŽĆ][a-zđžć]{2,15})(\s[A-ZŠĐŽĆ][azđžć]{2,15})*/", $firstName)){
    $errors[]="The name is not in good format";
} if(!preg_match("/^([A-ZŠĐŽĆ][a-zđžć]{2,19})(\s[A-ZŠĐŽĆ][azđžć]{2,19})*/", $lastName)){
    $errors[]="The first name is not in good format";
} if(empty($password)){
    $errors[]="The last name is not in good format";
}
if(!preg_match("/^\w{10,}$/, $password)){
    $errors[]="The password is not in good format";
} if(!filter_var($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=?";
}
}

```




```
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
tory=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";
    $dataa["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); ?>

```

```

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

```

3.3.9.4 visit_outcome_insert.php

```

$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)){
        $errors[]="You are not submiting the form";
    }
    if(empty($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 Nikola Brzovan", "keywords" => "Author, Nikola, Brzovan"],
        "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, Appartment"],
        "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;}

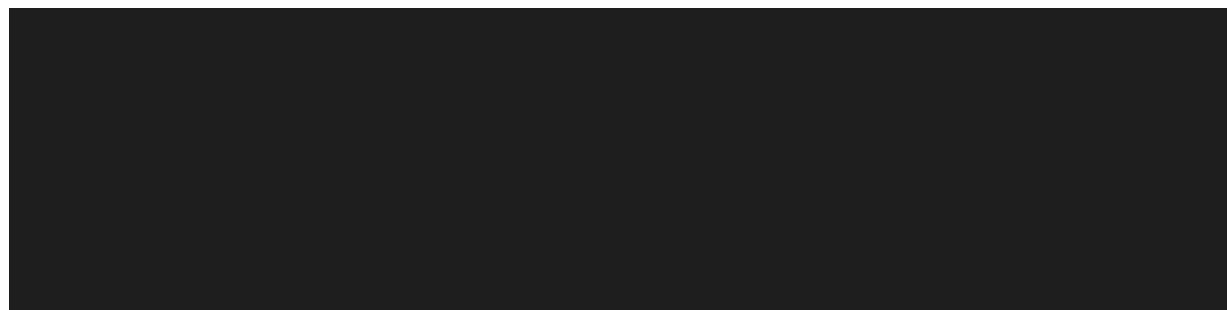
.flexWrap{    flex-wrap: wrap;}

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;}
```



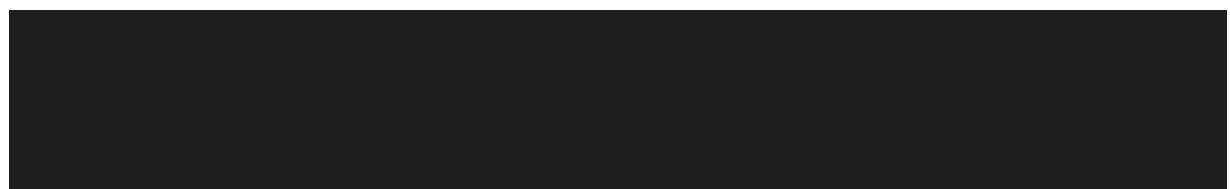
```
text-align: center;  
} #topHeader a{  
margin: 0px 5px;  
color: white; font-  
size: 18px; } header{  
height: 60px; }
```



```
#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;
```



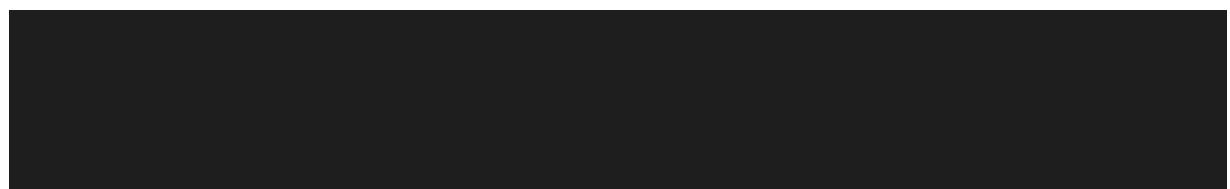
```
    left: 3px;  
    top: 5px;  
    padding: 2px; }  
.price{ color:white;  
    position:  
    absolute; left:  
    10px;  
    bottom: 5%;  
    z-index: 10;  
    font-size: 18px;  
} .row{  
height: 100%; }  
#sellContainer{
```



```
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;
```

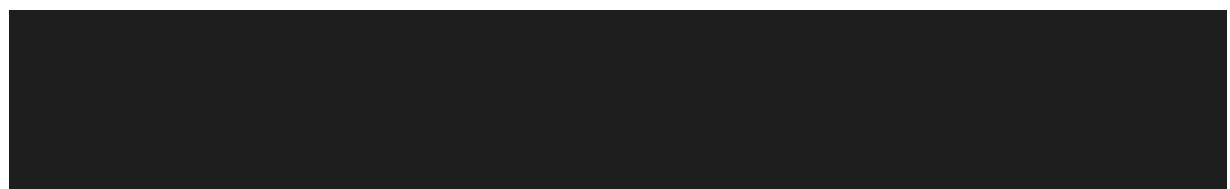


```
    margin-bottom: 20px;
}

.agentText{    position: relative;    padding:
20px;    border-left: 1px solid rgba(155, 155, 155,
0.5);    align-items: center;
} .crtA{    height: 35px;
background-color: rgb(43, 65, 187);
width: 3px;    border-radius: 10px;
position: absolute;    left: -1.8px;
} .crtA2{    height: 3px;
background-color: rgb(43, 65, 187);
width: 45px;    margin: 10px 0px;
}
.agentTitle{
    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;
```

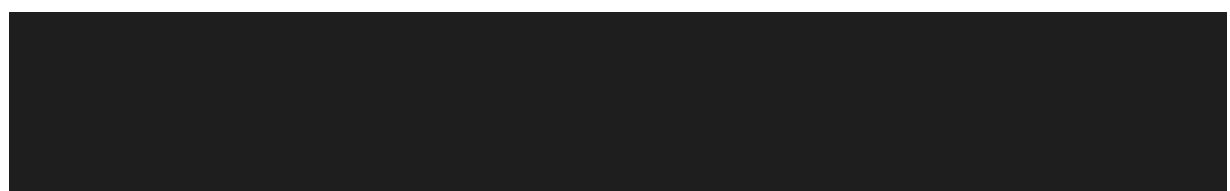


```
}

#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);
}

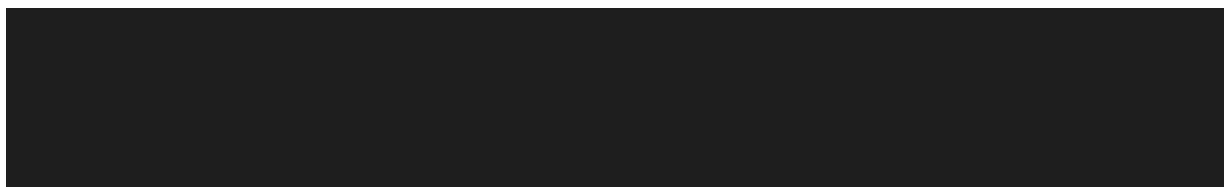
.mojModalContainer{    position:
fixed;    top: 20%;    height:
300px;    z-index: 100;
animation: animatetop 0.5s;
}

.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;  
}  

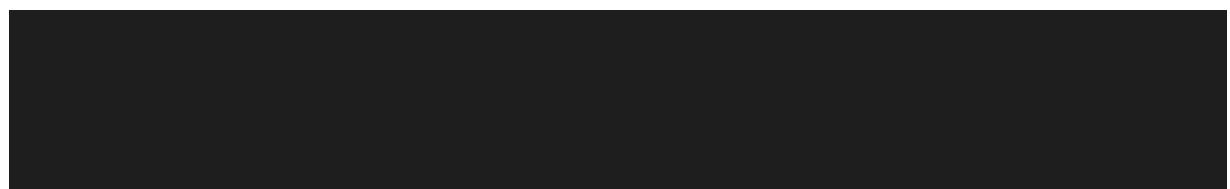
```



```
    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;
}
```



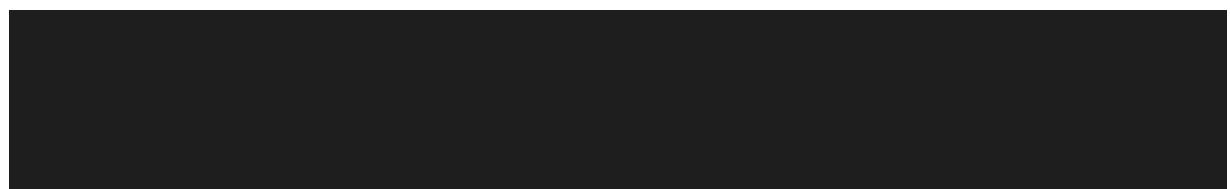
```
#nekretnine, #nekretnine2, #paginationContainer{  
background-color: rgba(216, 216, 216, 0.1);  
padding: 40px;  
}  
.nekretnina, #searchForm, .email{ background-  
color: white; padding: 20px; margin: 30px auto;  
} .nekretnina>div{  
padding: 20px; }  
.nekretnina h4{ font-  
size: 30px;  
color:rgb(43, 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;
```



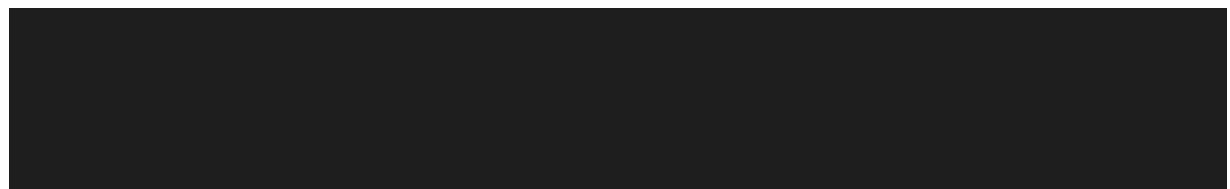
```
    width: 30px;      height:
30px;      border: 1px solid
#8a8989;      transition: 0.3s;
}
.agentContact a:hover{      background-
color: rgb(43, 65, 187);      color:
white;
}
#contactForm label{
width: 50%;
}
#contactForm{      flex-
wrap: wrap;
}
#contactForm>div{
padding: 10px;
} .greska{
display: 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;
```

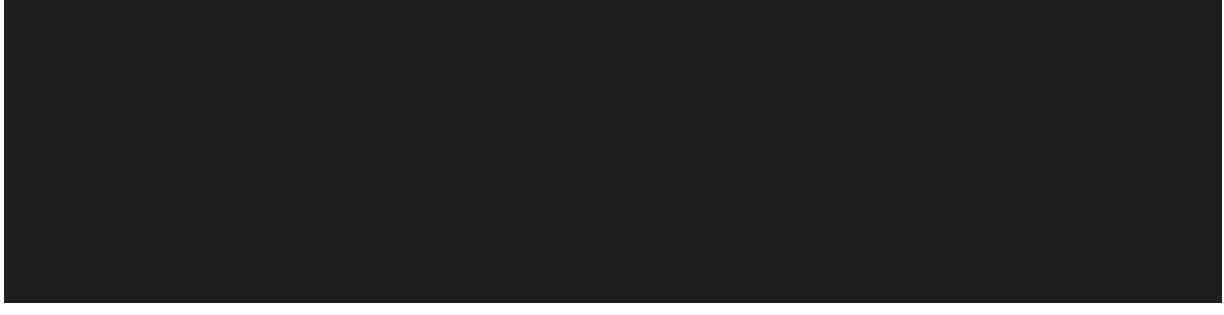
```
position: relative;
border: 1px solid rgba(155, 155, 155, 0.3);
} #searchForm form{
flex-wrap: wrap;
}
#searchForm form>div{
padding: 10px 0px;
}
#searchForm form input,#searchForm form select{
margin-right: 30px;    padding: 10px;
border-radius: 5px;    border: 1px solid
rgba(216, 216, 216);    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 .crtA{
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 selec
```

```
t, #agent, #outcomeDdl, #outcomeDescription, .blokReg input, #visit input, #imagePreview, #agentD  
esc{    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, #outcom  
eDescription: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;
```



```
}

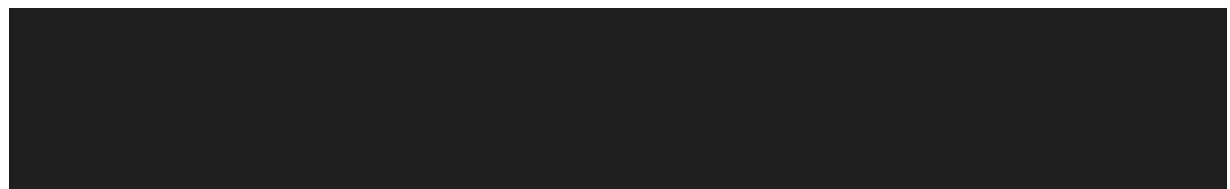
.MeniBar .bar1 {    transform: rotate(-45deg)
translate(-6px, 6px);
}
.MeniBar .bar2 {
opacity: 0;
}
.MeniBar .bar3 {    transform: rotate(45deg)
translate(-6px, -8px);
}
#header2{    display: none;    width: 100%;
position: absolute;    top: 97px;    height: 100vh;
left: 0px;    z-index: 99;    background-color:
#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: #ffff;
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);
}
```

```
.aktivvan{
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%;
```

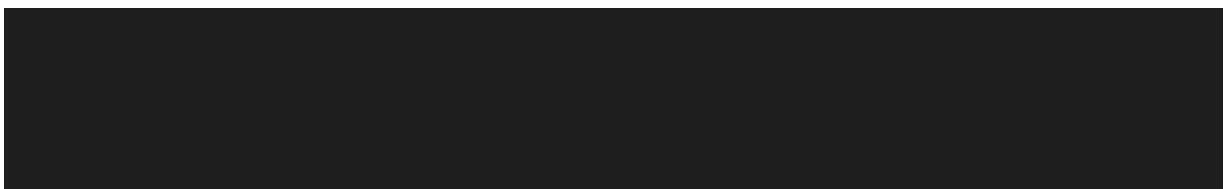
```
    border-collapse: collapse;
margin: 0px auto;
}
#access th,td, #loginUser th{    border:1px
solid rgba(155, 155, 155, 0.8);    text-
align: center !important;    padding: 15px;
}
#access th, #loginUser th{    background-
color:  rgb(43, 65, 187);    color: white;
}
#loginUser{
    margin-top: 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;  
}
```





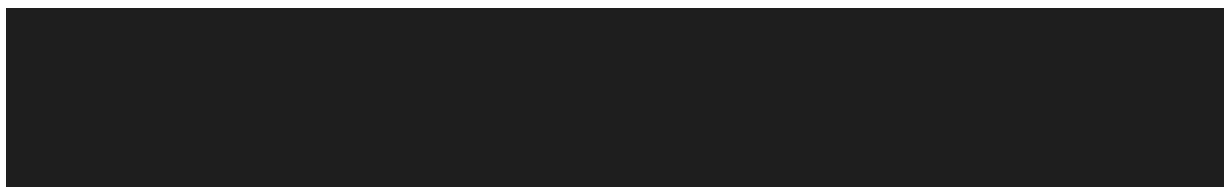
```
#searchForm form .search, #searchForm #bedrooms, #searchForm #bathrooms{
```



```
        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 .aktivan").removeClass("aktivan");
                $(this).addClass("aktivan");
                $.ajax({
                    url : "models/real_estate/real_estate_get_all.php",
                    method : "post",           dataType : "json",           data :
                {
                    submit: true,           page : page,
                },
                    success : function(data){
                        show_real_estate_admin(data.real_estate, "approved");
                },
                    error: function(xhr, status, error){
                        error_message(xhr);
                        no_results($("#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()});
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+=`

227


```



```
<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="crtta"></p>
                <p>${el.description}</p>
            </div>
            <div class="flex agentContact">
                <a  href="mailto:${el.email}"  target="_blank"  title="Mail"><i  class="fas fa-paperplane"></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>
    </div>`;
});
}); }
```

```
        </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 .aktivan").removeClass("aktivan");
            $(this).addClass("aktivan");
            $.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("");
  $("#city").val("");
  $("#priceMin").val("");
  $("#priceMax").val("");
  $("#sizeMin").val("");
  $("#sizeMax").val("");
  $("#bedrooms").val("");
  $("#bathrooms").val("");
  $("#propertyType").val("");
  $("#sort").val("");
}
} function get_city(){
let id=$(this).val();
$.ajax({
```

```
url : "models/real_estate/get_city.php",
method : "post",      dataType : "json",
data : {              submit: true,           id:
id
```

```
    },      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-
ZŠĐĆŽđćž]|\a-zđžćč){2,30}(\.\?\s[A-ZŠĐĆŽđćžćč]{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 val id format"));
submit.push(checkProperty(bedrooms, regExpBB, "You must enter the number of bedrooms", "Not a v
alid 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">
                    </div>`;
                $("#floors").html(html)
            }else if(propertyType==2){
                let html2=`
                    <label for="floor_status">Floors</label>
                    <select name="floor_status" id="floor_status">
                        <option value="0">-</option>`;
                data.floor_status.forEach(el =>
                {
                    html2+=`<option
value="${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=/^[\u0100-\u0174][a-z\u0100-\u0174]{2,30}(\,\?\s[A-Z\u0100-\u0174a-z\u0100-\u0174]{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 val
id format")); submit.push(checkProperty(bedrooms, regExpBB, "You must enter the number of
bedrooms", "Not a v alid 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-ZŠĐŽĆ][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=$("#message");
let regExpFN=/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,15})(\s[A-ZŠĐŽĆĆ][a-
zđžćć]{2,15})*/; let regExpLN=/^([A-ZŠĐŽĆĆ][a-zđžćć]{2,19})(\s[A-
ZŠĐŽĆĆ][a-zđžćć]{2,19})*/; let regExpEmail=/^[@]+@[^.]+\.[^.]+$/;
let regExp=/^[\w\.,]+(\s[\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);
}
}
})
}

```



```

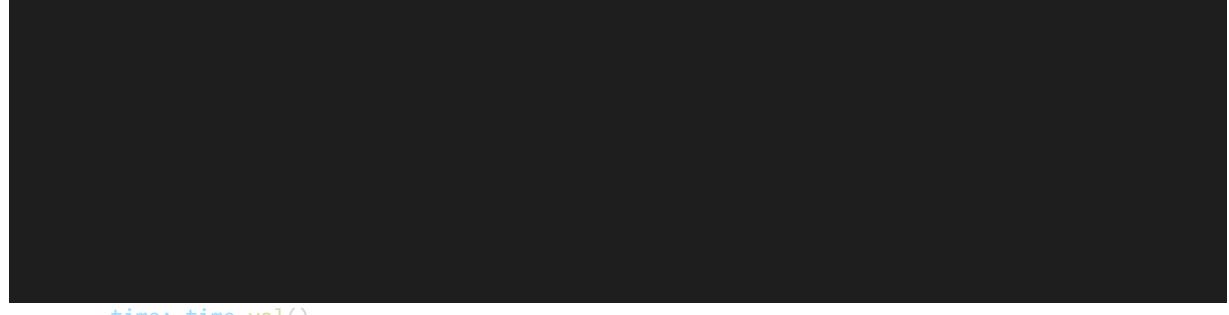
        });
    }
}

/* 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">${errorTextDate}</span>`);
}    }else{    currentDate=new Date()
if(Date.parse(date.val().trim())<=currentDate){
submit.push(false);    if(!date.hasClass("error")){
date.addClass("error");    date.before(`<span
class="errorText">Not a valid date</span>`);
}    }else{
date.removeClass("error");
date.prev(".errorText").hide();
}    }    if(!regExpTime.test(time.val().trim())){
submit.push(false);    if(!time.hasClass("error")){
time.addClass("error");    time.before(`<span
class="errorText">${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.responseJSON.errors.errorDate){           if(xhr.status==422){
date.addClass("error");                      if(!date.hasClass("error")){
date.before(`<span class="errorText">You must
enter a valid date<span>`);                  time.addClass("error");
}          } if(xhr.responseJSON.errors.errorTime){
if(!time.hasClass("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=/^[\u0410-\u0421\u042d\u0420\u042c\u0420\u0420][\u0430-\u0431\u043d\u0430\u043d\u0430]{2,15}([\u0431\u043e\u0437\u0430\u043d\u0430\u043d\u0430]{2,15})*$/;
let regExpLN=/^[\u0410-\u0421\u042d\u0420\u042c\u0420\u0420][\u0430-\u0431\u043d\u0430\u043d\u0430]{2,19}([\u0431\u043e\u0437\u0430\u043d\u0430\u043d\u0430]{2,19})*$/;

```

```

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)
$("#formRegisterErrors").html("<h3 class='p-3 textcenter'>You
have successfully update profile</h3>");
},
        error: function(xhr, status,
error){
        let html=<ol class='errorText
flex3'>;
        if(xhr.status==422){
            xhr.responseJSON.errors.forEach(el => {
html+=`<li>${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.responseJSON.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>`;
    }
}


```

```
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-auto 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
`

<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+=`<div class="col-12 flex2 noResults">
    <h1 id="noResults"><i class="fas fa-home"></i> No visits scheduled</h1>
</div>`;
}
$("#main-content").html(html);
} function
show_agents(data){
    let html=`<h5
class="mb-4">Assign agent</h5> <select id='agent'> <option value='0'>Choose</option>`+
data.forEach(element => {      html+=`<option value="${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-12  flex flexWrap">
<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>
    </div>
`;

        $("#main-content").html(html);
    }
    function agent_type(data){
        let html=<select id='agentType'> <option
value='0'>Choose</option>;

```



```
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){
    $("#formEditProfileErrors").html("<h3 class='p-3 textcenter'>You have successfully update profile</h3>");
},
        error: function(xhr, status,
error){
            let html=<ol class='errorText flex3'>;
            if(xhr.status==422){
xhr.responseJSON.errors.forEach(el => {
html+=`<li>${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=`
<div class="col-12 flex2 noResults">      <h1 id="noResults"><i class="fas fassearch"></i> Your
search did not return any results. Please try again with other information</h1>
</div>`+
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-11 flex flexWrap nekretnina">
<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} Bedr
ooms</span>
<span class="info">  ${el.bathrooms} B
athrooms</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="mojModalContainer col-12">
<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"/></s
pan><span class="errorText" id="loginEmailError"></span>
<span><i class="fas fa-
lock"></i></i> <input type="password" id="loginPassword" name="loginPassword" placeholder="Your p
assword"/></span><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>
</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");
}
```