My Square

Dokumentacija izrađena za potrebe predemta
Praktikum PHP

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Modul : Praktikum PHP

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Table of Contents

Uvod

Korišćeni programski jezici :

- HTML 5
- CSS 3
- JavaScript
- XML
- PHP
- SQL

Opis funkcionalnosti :

Sam koncept web sajta bazira se na online prikazu nekretnina, koje korisnik može da razgleda, samim tim I da sazna više o ponuđenim.Logovanje, na sajtu otvara nove mogućnosti korisnicima, u ovom slučaju to je komentarisanje nekretnina, kao I davanje odgovora na anketu. Ukoliko se korisnik uloguje kao admin, otvara mu se admin panel, na kojem ima uvid u sve postojece nekretnine, korisnike, komentare, kao I rezultate odrađene anekete.

Admin panel

- Ukoliko se korisnik uloguje kao admin, otvara mu se nova stranica u browseru na kojoj su prikazane sve nekretnine iz baze, komentari, I korisnici čiji uloga nije admin (admin nema pravo brisanja drugog admin naloga na sajtu).Pored toga adminu se daje mogucnost brisanja, update-a I kreiranja novih zgrada. Kada su u pitanju komentari, admin ima pravo uklanjanja komentara svih korisnika. Napomenuto je da su izlistani svi korisnici upisani u bazu, admin ima pravo uklanjanja samo onih korisnika čija uloga nije admin. Osim toga, admin takođe može da vidi I rezultate anekete koja je dostupna regularnim korisnicima. Na raspolaganju takođe stoji I statistika o posećenosti sajta, kao I dinamički prikazani elementi navigacije.

Nekretnine

- Na glavnoj stranici postoji filtriranje po kategoriji nekretnina. Kada se klikne na određenu kategoriju, zgrade se ispisuju AJAX zahtevom. Bitno je napomenuti da je većinski deo stranica ispisan AJAX-om. Osim toga klikom na naziv zgrade dinamički se prosleđuje njen id ,kojim se na stranici za prikaz nekretnine dinamički ispisuju detaljnije informacije o njoj.

Paginacija

- Na glavnoj stranci paginacija se koristi za prikaz svih zgrada koje trenutno postoje u bazi. Prikaz nekretnina limitiran je na broj od 6 po stranici.

Registracija

- Na stranici register.php korisniku se prikazuje forma za registraciju , gde je ispod svakog inputa jasno naglašeno pravilo za popunjavanje istog. Ukoliko su kredencijali zadovoljili date uslove, u alertu će izaći obaveštenje o uspešnosti registrovanja, te će uputiti korisnika na Log In stranicu. Ukoliko određeni parametri nisu zadovoljili pravila , input će promeniti svoju boju u crveno, samim tim dati korisniku do znanja gde je došlo do greške, uz to , alert će takođe obavestiti korisnika gde je došlo do greške. Ukoliko je korisnik uneo postojeće vrednost za mail ili username, biće obavešten o tome.

Logovanje

- Na stranici login.php korisniku se prikazuje forma za logovanje, ukoliko su kredencijali zadovoljavajući,pravi se sesija I korisink se redirektuje. Ukoliko se korisnik ulogovao kao **user** I to po prvi put, biće redirektovan na stranicu sa anektom (o tome više kasnije), ukoliko je korisnik već odgovorio na anketu, biće redirektovan na glavnu stranicu. Međutim ukoliko se korisnik ulogovao kao **admin** biće redirektovan na stranicu admin panela, gde je već napomenuto koje mogućnosti mu se pružaju. Bitno je napomenuti da admin kao korisnik ima pristup svim stranicama. Ukoliko kredencijali logovanja nisu ispravni, korisnik će biti obavešten alertom.

Navigacija

- Navigacija website-a ispisana je dinamički, dovlačenjem podataka iz baze. Sadržaj same navigacije se razlikuje u odnosu na to da li je sesija o korisniku zastupljena ili ne.

Anketa

- Ukoliko se korisnik loguje po prvi put, biće redirektovan na question.php gde se nalazi anketa na koju on daje odgovor. Anketa je urađena u fomratu jednog pitanja sa 5 ponuđenih odgovora koji se nalaze unutar dropdown liste. Po odgovaranju pitanja, korisniku se prikazuje obaveštenje o uspešnosti, I potom se redirektuje na glavnu stranicu. Ukoliko je korisnik već jednom dao odgovor, neće imati pristup datoj stranici. Bitno napomenuti da se dati odgovori upisuju u bazu , samim tim admin ima na uvid rezultate ankete. Isto tako zaštićena je privatnost te admin ne zna ko je dao koji odgovor. Admin samo može da vidi koliko je ljudi glasalo I koji je prosek odgovora.

Komentari

- Na stranici building.php , autorizovanim korisnicima se pruža mogućnost ostavljanja komentara ispod datog objekta. Ukoliko korisnik nije ulogovan na tom mestu će stajati dugme koje upućuje na logovanje. Komentari se upisuju u bazu, a prilikom njihovog ispisivanja , takođe će se prikazati I username korisnika koji tu ostavio komentar. Profesorka molim vas uzmite ovo, da zadovoljava makar malo funkcionalnost forme.
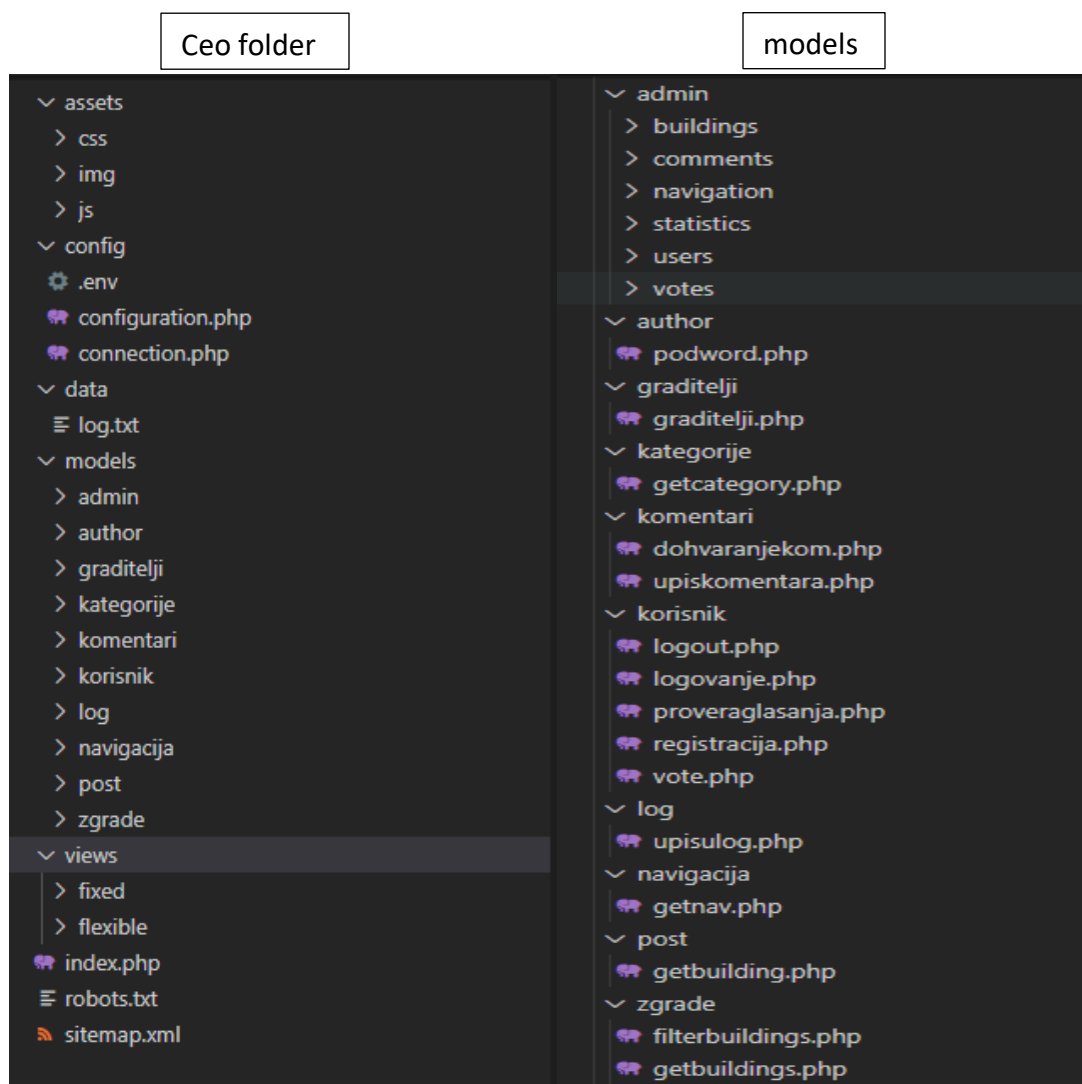
Template

Korišćeni template je preuzet sa stranice StartBootstrap.com , kod stranice je gotovo u potpunosti izmenjen.

Organizacija sajta

Organizaciona šema

- Websajt je urađen tako da se može pristupiti svim stranicama sajta koje su navedene u navigaciji. Bitno napomenuti da se stranicama za logovanje I registraciju ne može pristupiti ukoliko je sesija aktivna (meni se dinamički menja). Takođe postoje stranice kojima se samo može pristupiti putem URL adrese, npr. Admin panel, kao I stranica za anketu. Stranici sa detaljinijim informacijama o zgradi može se pristupiti samo putem klika na linkove koji se nalaze na glavnoj stranici.

Organizacija foldera

Ceo folder

models

```
∨ assets
  > css
  > img
  > js
∨ config
  ⚙ .env
  🐘 configuration.php
  🐘 connection.php
∨ data
  ≡ log.txt
∨ models
  > admin
  > author
  > graditelji
  > kategorije
  > komentari
  > korisnik
  > log
  > navigacija
  > post
  > zgrade
∨ views
  > fixed
  > flexible
🐘 index.php
≡ robots.txt
🔊 sitemap.xml
```

```
∨ admin
  > buildings
  > comments
  > navigation
  > statistics
  > users
  > votes
∨ author
  🐘 podword.php
∨ graditelji
  🐘 graditelji.php
∨ kategorije
  🐘 getcategory.php
∨ komentari
  🐘 dohvaranjekom.php
  🐘 upiskomentara.php
∨ korisnik
  🐘 logout.php
  🐘 logovanje.php
  🐘 proveraglasanja.php
  🐘 registracija.php
  🐘 vote.php
∨ log
  🐘 upisulog.php
∨ navigacija
  🐘 getnav.php
∨ post
  🐘 getbuilding.php
∨ zgrade
  🐘 filterbuildings.php
  🐘 getbuildings.php
```

- ∨ admin
  - ∨ buildings
    - 🐘 createbuilding.php
    - 🐘 deletebuilding.php
    - 🐘 getbuildinginfo.php
    - 🐘 popuniupdate.php
    - 🐘 updatezgrade.php
  - ∨ comments
    - 🐘 deletecomm.php
    - 🐘 getcommentsinfo.php
  - ∨ navigation
    - 🐘 deleteNavigation.php
    - 🐘 getNav.php
    - 🐘 getspecif.php
    - 🐘 updatenavigation.php
  - ∨ statistics
    - 🐘 functions.php
  - ∨ users
    - 🐘 deleteuser.php
    - 🐘 getUsers.php
  - ∨ votes
    - 🐘 getvotes.php

- ∨ views
  - ∨ fixed
    - 🐘 footer.php
    - 🐘 head.php
    - 🐘 nav.php
  - ∨ flexible
    - 🐘 admin.php
    - 🐘 author.php
    - 🐘 building.php
    - 🐘 login.php
    - 🐘 pocetna.php
    - 🐘 question.php
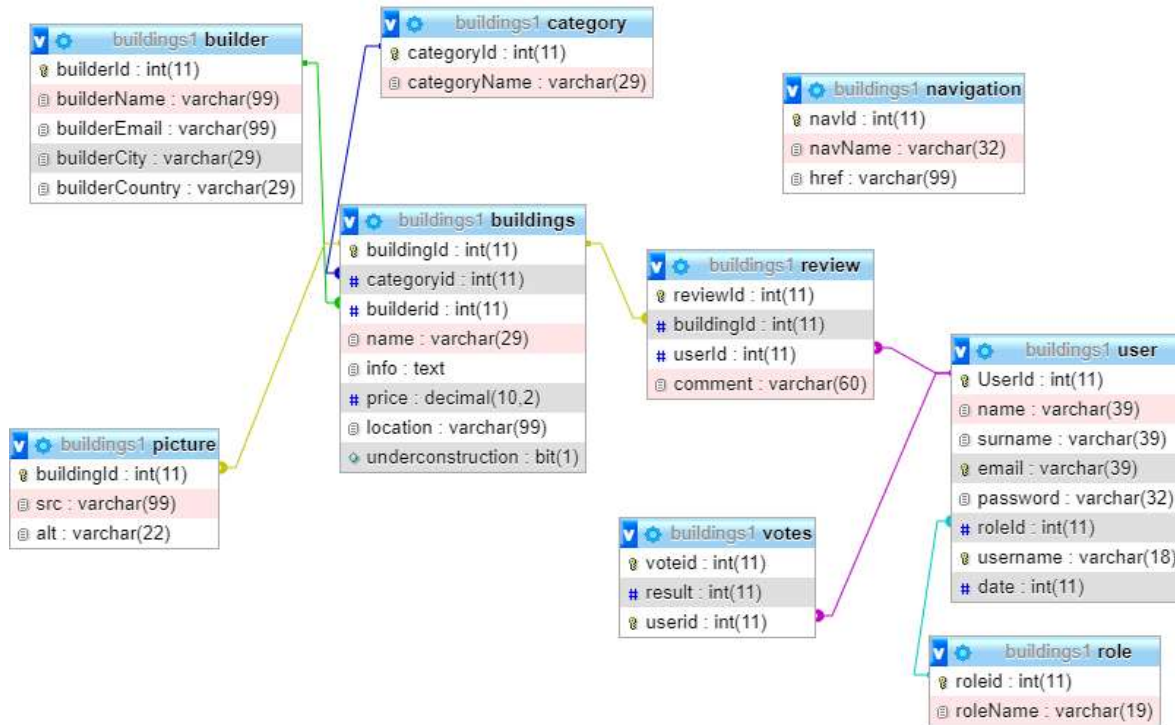   - 🐘 register.php

Organizacija baze podataka

Mapa sajta

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


<url>
  <loc>http://praktipumphp.epizy.com/index.php</loc>
  <lastmod>2020-07-12T18:21:38+00:00</lastmod>
</url>
</urlset>
```

Funkcionalnosti sajta
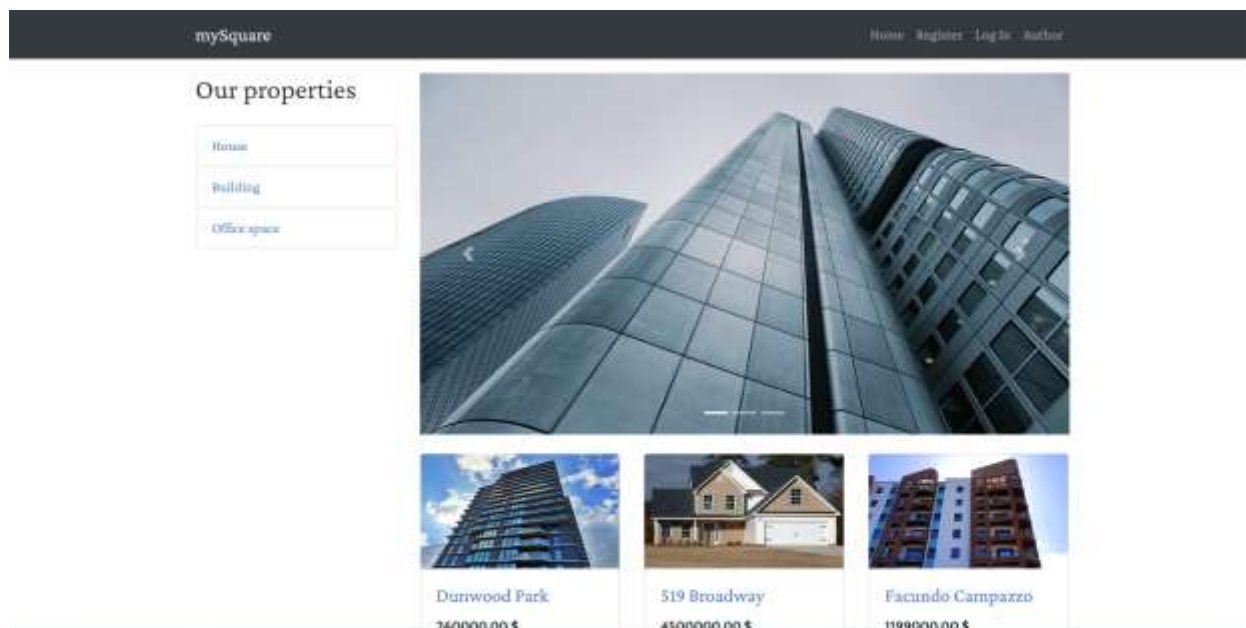
Na glavnoj stranici, nalazi se dinamički ispisan meni, koji menja svoj sadržaj u odnosu na to da li je sesija aktivna ili ne. Nekretnine na početnoj stranici ispisane su dinamički dovlačenjem iz baze. *Svi kodovi biće lepo organizovani u sekciji Kodovi*. Sa leve strane nalazi se lista sa nazivima kategorija. Klikom na jedan od naziva kategorije, dinamički se ajaxom ispisuju one nekretnine koje zadovoljavaju dati filter.
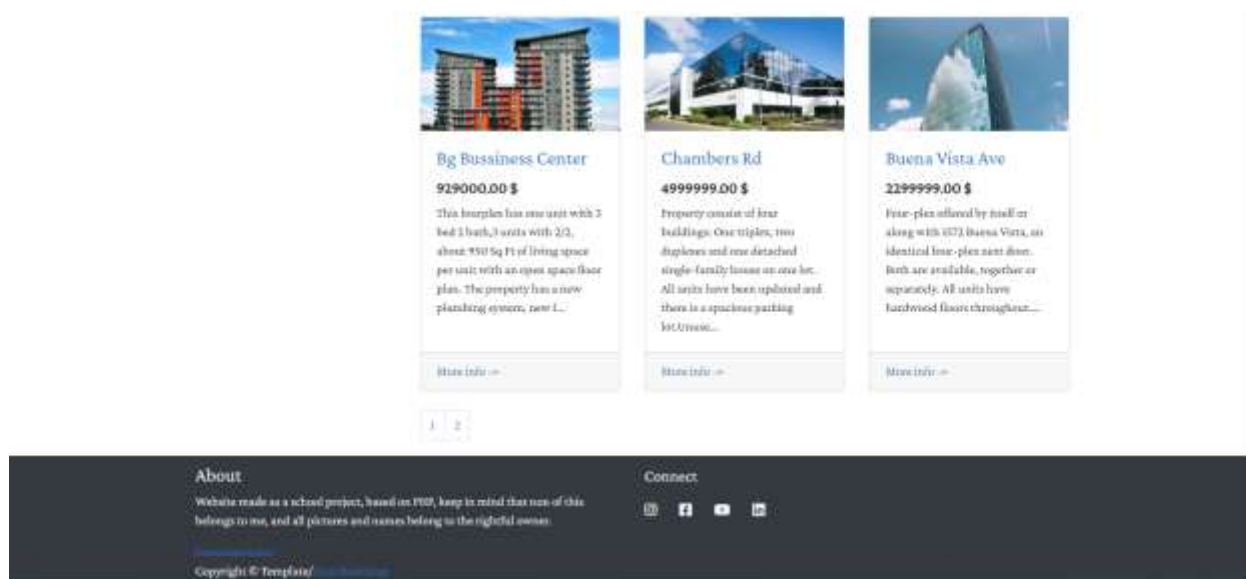
Ispod svih zgrada nalazi se div paginacije, koji je dinamički ispisan u odnosu na broj nekretninta koje se nalaze u bazi, limit proizvoda koji se dohvata jednim upitom je šest. Klikom na jedan od

brojeva dinamički se dohvata sadržaj baze. U futeru se nalaze linkovi dokumentacije, društvenih mreža kao I napomena autorskih prava. Klikom na na jedan od linkova koji se nalaze u divu nekretnina, u koji ulaze (slika nekretnine, naziv, kao I tekst "More info ->") odlazi se na stranicu building.php koja u odnosu na prosleđeni id ispisuje informacije o datoj nekretnini :

Informacije o nekretnini su dinamički ispisane iz baze. Tekst READY TO BE USED će imati zelenu ili crvenu boju u odnosu na to da li je objekat u procesu gradnje ili ne. Od dodatnih informacija korisniku se prilaže detaljniji opis, graditelj, kao i Lokacija same zgrade.

Ukoliko prosleđeni id zgrade nije pronađen :
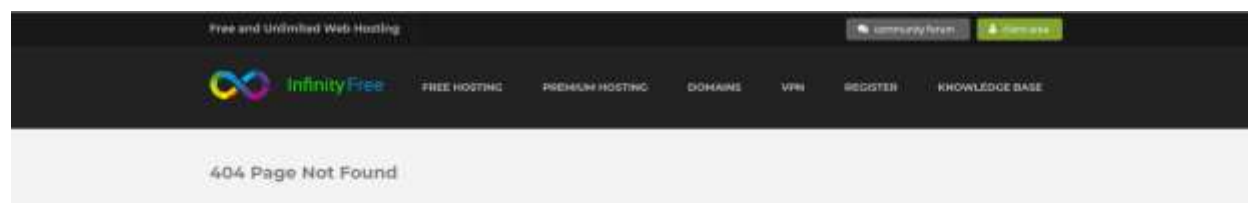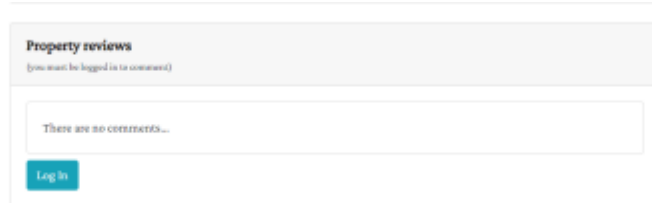
U sekciji ispod opisa zgrade nalazi se div sa komentarima koji daje mogućnost **autorizovanim** korisnicima da ostavljaju svoje komentare vezane za datu nekretninu. Ukoliko korisnik nije ulogovan u podnožiju diva će se nalaziti dugme logIn koje dovodi na stranicu za logovanje. Ukoliko postoje komentari za dati objekat, oni će biti izlistani jedan ispod drugog, iznad svakog komentara nalazi se username korisnika koji je ostavio komentar. U slučaju da nema komentara, ispisaće se obaveštenje da nema komentara.

U slučaju da je korisnik ulogovan , umesto dugmeta LogIn , prikazuje se dugme Leave a comment, čijim klikom se otvara modal forme, gde korisnik unosi svoj komentar.
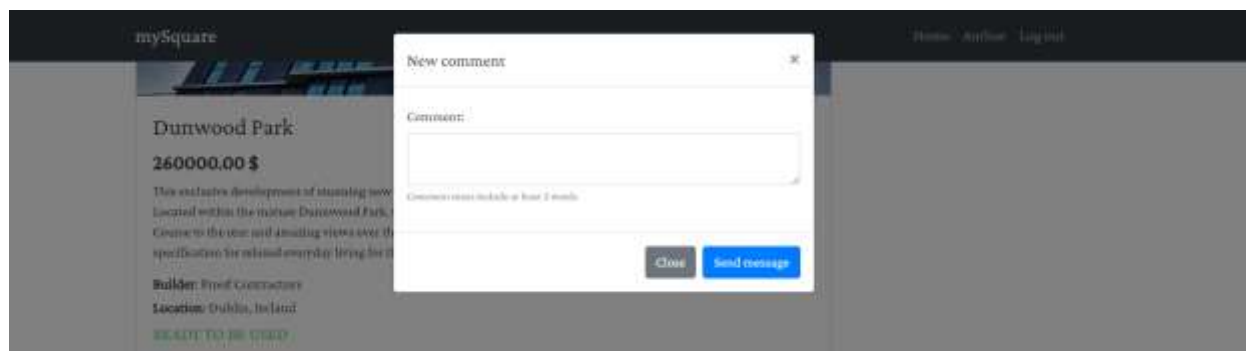
Ispod inputa za sam komentar, nalazi se kriterijum koji taj tekst mora da zadovoljava. Ukoliko kriterijum nije ispunjen korisnik će biti obavešten. U slučaju da je komentar uspešan, korisnik takođe dobija obaveštenje I stranica se reload-uje.

Na stranici register korisniku se prikazuje forma za registraciju. Takođe, opisi kriterijuma za upis informacija o korinsiku nalaze se ispod input tagova. Klikom na dugme register vrsi se provera svih vrednosti, ukoliko neka vrednost ne ispunjava uslov, korisnik će bit obavešten o tome. Ako je registracija prošla dobro, korisnik se upsuje u bazu podataka, I korisnik biva obavešten o tome I redirektovan na stranicu za logovanje.

Na stranici za logovanje korisnik unosi svoje kredencijale potrebene za logovanje, a to su username is password. Ukoliko je došlo do greške prilikom logovanja, korisnik biva obavešten o tome, a ako je logovanje uspelo korsinik se redirektuje na tri moguće lokacije, u zavisnosti od svoje uloge, navigacija menja svoj sadržaj, te umesto registracije I logovanja na raspolaganju stoji dugme za logout:

- Ukoliko se korisnik loguje po prvi put u ulozi user, on biva redirektovan na stranicu sa anketom:

Na ovoj stranici korisnik daje svoj odgovor, korisnici imaju pravo samo jednom da glasaju, i ne mogu se više vraćati na datu stranicu, čak ni putem URL adrese. Klikom na dugme Vote korisniku se prikazuje uspešno glasanje, a potom biva redirektovan na početnu stranicu.

- Ukoliko se korisnik sa ulogom <u>user</u> ne loguje po prvi put, zbog mogućnosti glasanja samo jednom, on biva odmah redirektovan na glavnu stranicu.

- Ukoliko se korisnik uloguje sa ulogom <u>admin</u> on biva redirektovan na stranicu admin panela, gde mu na raspolaganju stoje svi objekti, komentari, useri, i rezultati ankete. **O admin panelu više u nastavku.**
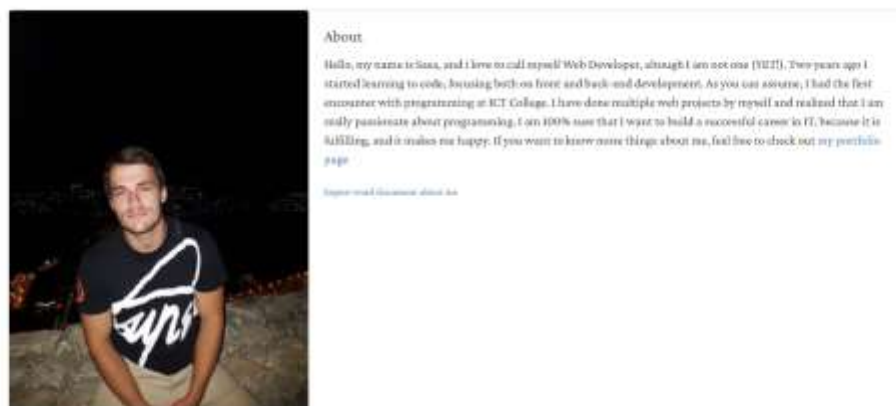
Klikom na link <u>Author</u> koji se nalazi u navigaciji, korsinik odlazi na stranicu o Autoru, na kojoj se nalazi slika autora, sa kratkim informacijama. Tekst takođe uključuje I link ka sajtu portfolia autora, kao I link **čijim klikom se download-uje <u>word document</u> sa informacijama o autoru.**

Admin panel

			Statistics			
Home	Building	Login	Register	Author	Question
16.6%	6.7%	16.49%	7.22%	30.43%	3.59%

Jedna od prvih stavki jesu informacije o posećenosti stranica sajta izražene u procentima. Bitno je naglasiti da statistika važi samo za poslednja 24h.

ID	Category	Builder	Name	Price	Location	Construction	UPDATE	DELETE
2	House	Proof Contractors	Dunwood Park	260000.00	Dublin, Ireland	0	Update	Delete
8	House	Evergreen	Mews Montrose Place	1100000.00	London, England	0	Update	Delete
13	House	The Ivory Homes	Doslovnja zgrade	1234567.00	Kraljevo, Serbia	1	Update	Delete
3	Building	Evergreen	519 Broadway	4500000.00	Somervile, Michigan	1	Update	Delete
4	Building	Sunshine Build Group	Fairside Campania	1199000.00	Buenos Aires, Argentina	1	Update	Delete
7	Building	Proof Contractors	Buena Vista Ave	2299999.00	Alameda, California	1	Update	Delete
9	Building	Proof Contractors	Casa Del Sol	14999999.00	Singapore, Singapore	1	Update	Delete
1	Office space	Agribol	Bg Business Center	929000.00	Belgrade, Serbia	0	Update	Delete
6	Office space	Legion Homes	Chambers Rd	4999999.00	Aurora, Colorado	0	Update	Delete

Potom slede informacije o svim zgradama koje se nalaze u bazi podataka. Adminu se daje mogućnost da <u>Ažurira</u> postojeće zgrade, <u>briše</u>, kao i da <u>kreira</u> nove. Klikom na dugme Create new building otvara se forma za insertovanje nove zgrade :

Takođe ispod svakog inputa stoje uslovi parametra. Vrši se provera I na klijentu, I na serveru, ukoliko je došlo do greške, korisnik se obaveštava o tome. Ako je upit prošao, korisnik se obaveštava I stranica biva refrešovana. Insert u tabelu je izvršen, te se u tabeli za nekretnine, dodaje novi objekat. *Ova forma podržava upload slika koje moraju biti u .jpeg formatu. Nakon inserta slike, ona se automatski resize-uje I njena lokacija biva upisana u bazu podataka.*
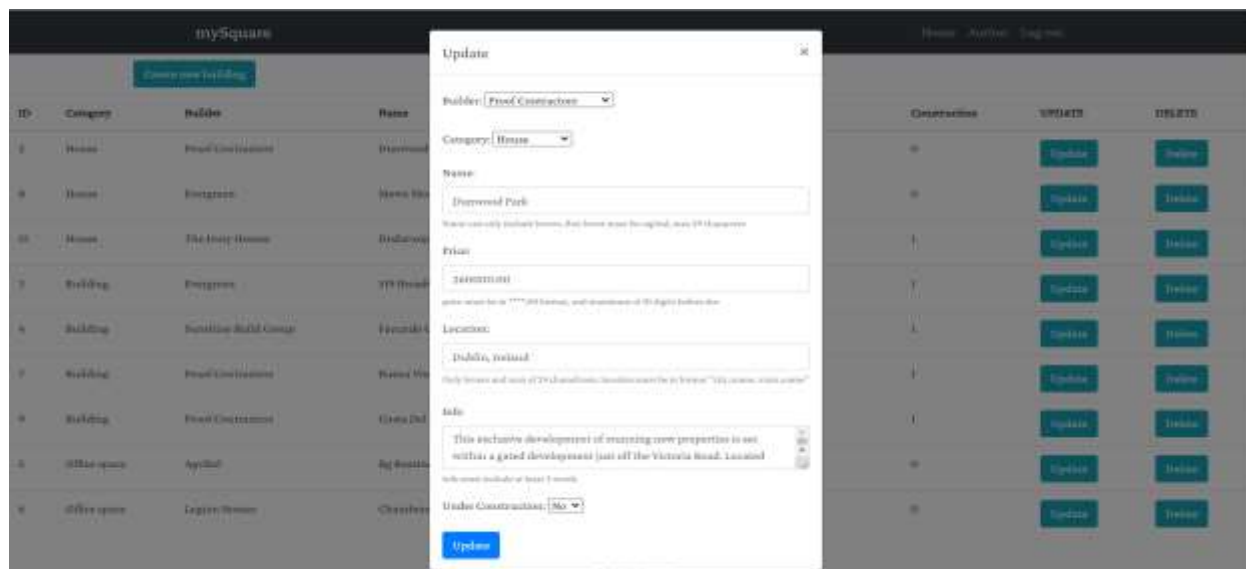
Ukoliko <u>admin</u> klikne na dugme **Update** pojavljuje se već poopunjena forma o objektu. Klikom na dugme update, takođe se vrši provera I na klijentu I na serveru, I samim tim ukoliko je uspešno, vrši se update tog reda baze podataka.

Klikom na dugme delete, briše se dati objekat iz baze podataka i admin biva obavešten o tome putem alert-a.

Sve gore navedeno za zgrade, važi I za sledeću sekciju u kojem su izlistani elementi navigacije.

Reviews

ID	Name	Surname	Email	Username	Role	Comment	Remove
1	Sasa	Pajevic	spajevic[w]@gmail.com	spajevic	admin	Proba komentara!	Delete
7	Sasa	Pajevic	spaje@gmail.com	sasasasa	user	Komentar obicnog korisnika!	Delete

Users

ID	Name	Surname	Email	Username	Role	Delete
7	Veljko	Pajevic	veljkopajevic@gmail.com	veko	user	Delete
13	Pavel	Pumprla	pavel@gmail.com	pavel	user	Delete
16	Sanja	Pajevic	sanjapajevic@gmail.com	sanja	user	Delete
14	Sasa	Pajevic	spaje@gmail.com	sasasaser	user	Delete
17	Emilija	Filipovic	emilija@gmail.com	ema	user	Delete

Admins

ID	Name	Surname	Email	Username	Role
6	Sasa	Pajevic	spajevic[w]@gmail.com	spajevic	admin
9	Milena	Vesic	milena@ict.edu.rs	mvesic	admin

Vote results :

Number of votes	Average grade
8	3.50

Sledeća sekcija admin panela sadrži uvid u sve korisnike koji su registrovani na sajtu, sve komentare, kao i rezultate prethodno navedene anekete. Klikom na dugme delete brišu se redovi iz baze. Rezultati ankete predstavljeni su u vidu ukupnog broja glasova, kao i prosečne ocene koju su korisnici ostavljali. Kada govorimo o komentarima i korisnicima, adminu su prikazane sve informacije o korisniku, kao i o komentarima. Admin ima pravo brisanja samo običnog korisnika.

Kodovi

Kodovi će biti detaljno organizovani po folderima, što se vidi u sadržaju dokumentacije

Models

Admin:

Buildings:

Createbuilding.php

```php
<?php
    if($_SERVER['REQUEST_METHOD']=="POST"){
        if($_POST['stiglo']){
            $ime = $_POST['ime'];
            // rad sa uploadovanom slikom
            $slika = $_FILES['slika'];
            $tmp_name = $slika['tmp_name'];
            $name = $slika['name'];
            $name = time().'_'.$name;
            $size = $slika['size'];
            $type = $slika['type'];
            if($slika['size'] == 0){
                echo "<b>You must upload picture</b>";
                die;
            }
            if($size > 800*1024){
                echo "<b>Image size exetnds maximum size allowed.";
                die;
            }
            if(!$type == 'image/jpeg'){
                echo "<b>Picture must be .jpeg</b>";
                die;
            }
            define("PUTANJA","../../../assets/img/");
            $putanja1 = PUTANJA.'original/'.$name;
            $uploaded = move_uploaded_file($tmp_name,$putanja1);
            if($uploaded){
                $dimenzije = getimagesize($putanja1);
                $width = $dimenzije[0];
                $height = $dimenzije[1];
                $new_width = 700;
                $new_height = 400;
                $platno = imagecreatetruecolor($new_width,$new_height);
```

```php
            $stara_slika = imagecreatefromjpeg($putanja1);
            imagecopyresampled($platno,$stara_slika,0,0,0,0,$new_width,$new_h
eight,$width,$height);
            $nova_slika_naziv = 'new_'.time().'_gradjevina.jpg';
            $putanja2 = PUTANJA.$nova_slika_naziv;
            imagejpeg($platno,$putanja2,100);
            unset($putanja1);
        }
        else{
            echo "Failed to upload picture, try again later";
        }
        // kraj slike
        $gradid = $_POST['gradid'];
        $katid = $_POST['katid'];
        $cena = $_POST['cena'];
        $lokacija = $_POST['lokacija'];
        $longtxt1 = $_POST['longtxt1'];
        $konst = $_POST['konst'];
        $gresak = [];
        $proveraIme = "/^[A-ZĐŠŽĆČa-zđšžćč0-9\s]{2,29}$/";
        $proveraCene = "/^[0-9]{1,10}.00$/";
        $proveraLokacije = "/^[A-ZĐŠŽĆČ][a-zđšžćč]{1,40},\s{0,1}[A-ZĐŠŽĆČ][a-
zđšžćč]{1,40}$/";
        $proveraInfo = "/^[a-zđšžćčA-ZĐŠŽĆČ.,;!?:'\%\-\.]{1,} [a-zđšžćčA-
ZĐŠŽĆČ.,:?;!]{1,} .+$/";

        if(!preg_match($proveraIme,$ime)){
            $gresak[] = "Name is invalid";
        }
        if(!preg_match($proveraCene,$cena)){
            $gresak[] = "Price is invalid";
        }
        if(!preg_match($proveraLokacije,$lokacija)){
            $gresak[] = "Price is invalid";
        }
        if(!preg_match($proveraInfo,$longtxt1)){
            $gresak[] = "Long info is invalid";
        }
        if(count($gresak)){
            foreach($gresak as $err){
                echo $err;
            }
        }
        else{
            require "../../../config/connection.php";
```

```php
                if($conn){
                    $query = "INSERT INTO buildings VALUES(null,:katid,:gradid,:i
me,:longtxt1,:cena,:lokacija,:konst)";
                    $insert = $conn->prepare($query);
                    $insert->bindParam(":katid",$katid);
                    $insert->bindParam(":gradid",$gradid);
                    $insert->bindParam(":ime",$ime);
                    $insert->bindParam(":longtxt1",$longtxt1);
                    $insert->bindParam(":cena",$cena);
                    $insert->bindParam(":lokacija",$lokacija);
                    $insert->bindParam(":konst",$konst);
                    try{
                        $uspeh = $insert->execute();
                        if($uspeh){
                            $query1 = "SELECT buildingid FROM buildings ORDER BY b
uildingid DESC LIMIT 1";
                            $zadnji = $conn->query($query1)->fetch();
                            if($zadnji['buildingid']){
                             $id = $zadnji['buildingid'];
                             $slikaquery = "INSERT INTO picture VALUES(:id,:src,'p
roperty')";
                             $ubacisliku = $conn->prepare($slikaquery);
                             $ubacisliku->bindParam(":id",$id);
                             $ubacisliku->bindParam(":src",$nova_slika_naziv);
                             try{
                                 $uspeh1 = $ubacisliku->execute();
                                 if($uspeh1){
                                     echo "Successfully inserted, go back to admin
 page!";
                                 }
                             }
                             catch(PDOException $poruka){
                                 echo $poruka;
                             }
                            }
                        }
                    }
                    catch(PDOException $mssg){
                        echo $mssg;
                    }
                }
            }
        else{
            header('Location:../../../index.php');
```

```php
        }
    }
    else{
        header('Location:../../../index.php');
    }
?>
```

Deletebuilding.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == 'POST'){
        if($_POST['stiglo']){
            require '../../../config/connection.php';
            $id = $_POST['id'];
            if($conn){
                $upit = "DELETE FROM buildings WHERE buildingid = :id";
                $delete = $conn->prepare($upit);
                $delete->bindParam(":id",$id);
                try{
                    $uspeh = $delete->execute();
                    if($uspeh){
                        echo "Building deleted successfully";
                        http_response_code(200);
                    }
                    else{
                        http_response_code(400);
                    }
                }
                catch(PDOException $mssg){
                    echo $mssg->getMessage();
                }
            }
        }
        else{
            header('Location:../../../index.php');

        }
    }
    else{
        header('Location:../../../index.php');
    }
?>
```

Getbuildinginfo.php

```php
<?php
    function getBuildings(){
        require "config/connection.php";
        if($conn){
            $upit = "SELECT b.buildingid as id,b.categoryId as katid,b.builderId
as gradid,k.categoryName as kategorija,g.builderName as graditelj,b.name as name,
b.price as price ,b.location as location ,b.underconstruction as gradnja FROM bui
lder g INNER JOIN buildings b ON b.builderId = g.builderId INNER JOIN category k
ON b.categoryId = k.categoryId";
            try{
                $uhvatisve = $conn->query($upit)->fetchAll();
                return $uhvatisve;
            }
            catch(PDOException $mssg){
                echo $mssg->getMessage();
            }
        }
    }
?>
```

Popuniupdate.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == 'POST'){
        if(isset($_POST['stiglo'])){
            header("Content-Type: application/json");
            $id = $_POST['id'];
            require "../../../config/connection.php";
            if($conn){
                $query = "SELECT builderid as gradid, categoryid as katid, name a
s ime, price as cena, location as lokacija,info as duzi, underconstruction as kon
st FROM buildings WHERE buildingid = :id";
                $action = $conn->prepare($query);
                $action->bindParam(":id",$id);
                try{
                    $uspeh = $action->execute();
                    if($uspeh && $action->rowCount()==1){
                        $zgrada = $action->fetch();
                        http_response_code(200);
                        echo json_encode($zgrada);
                    }
                }
                catch(PDOException $mssg){
                    echo $mssg;
```

```php
            }
        }
    }
    else{
        header('location:../../../index.php');
    }
?>
```

Updatezgrade.php

```php
<?php
    if($_SERVER['REQUEST_METHOD']=="POST"){
        if(isset($_POST['stiglo'])){
                $gradid = $_POST['gradid'];
                $katid = $_POST['katid'];
                $ime = $_POST['ime'];
                $cena = $_POST['cena'];
                $lokacija= $_POST['lokacija'];
                $longtxt = $_POST['longtxt'];
                $konst = $_POST['konst'];
                $id = $_POST['id'];
                $proveraIme = "/^[A-ZĐŠŽĆČa-zđšžćč0-9\s]{2,29}$/";
                $proveraCene = "/^[0-9]{1,10}.00$/";
                $proveraLokacije = "/^[A-ZĐŠŽĆČ][a-zđšžćč]{1,40},\s{0,1}[A-
ZĐŠŽĆČ][a-zđšžćč]{1,40}$/";
                $proveraInfo = "/^[a-zđšžćčA-ZĐŠŽĆČ.,;!?:'\%\-\.]{1,} [a-zđšžćčA-
ZĐŠŽĆČ.,:?;!]{1,} .+$/";
                $greske = [];
                if(!preg_match($proveraIme,$ime)){
                    $greske[] = "Name is invalid";
                }
                if(!preg_match($proveraCene,$cena)){
                    $greske[] = "Price is invalid";
                }
                if(!preg_match($proveraLokacije,$lokacija)){
                    $greske[] = "Location is invalid";
                }
                if(!preg_match($proveraInfo,$longtxt)){
                    $greske[] = "Long info is invalid";
                }
                if(count($greske)){
                    foreach($greske as $err){
                        echo $err;
                    }
```

```php
            }
            else{
                require "../../../config/connection.php";
                if($conn){
                    $kveri = "UPDATE buildings SET builderid = :gradid,catego
ryid = :katid,name = :ime,price = :cena,location = :lokacija,info = :longtxt,unde
rconstruction = :konst WHERE buildingid = :id";
                    $promeni = $conn->prepare($kveri);
                    $promeni->bindParam(":gradid",$gradid);
                    $promeni->bindParam(":katid",$katid);
                    $promeni->bindParam(":ime",$ime);
                    $promeni->bindParam(":cena",$cena);
                    $promeni->bindParam(":lokacija",$lokacija);
                    $promeni->bindParam(":longtxt",$longtxt);
                    $promeni->bindParam(":konst",$konst);
                    $promeni->bindParam(":id",$id);
                    try{
                        $uspeh = $promeni->execute();
                        if($uspeh){
                            echo "Updated successfully";
                            http_response_code(202);
                        }
                        else{
                            http_response_code(400);
                        }
                    }
                    catch(PDOException $mssg){
                        echo $mssg->getMessage();
                    }
                }
            }
        }
        else{
            header("Location:'../../../index.php'");

        }
    }
    else{
        header("Location:'../../../index.php'");
    }
?>
```

Comments :

Deletecomm.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == 'POST'){
        if($_POST['stiglo']){
            require '../../../config/connection.php';
            $id = $_POST['id'];
            if($conn){
                $upit = "DELETE FROM review WHERE reviewid = :id";
                $delete = $conn->prepare($upit);
                $delete->bindParam(":id",$id);
                try{
                    $uspeh = $delete->execute();
                    if($uspeh){
                        echo "Comment deleted successfully";
                    }
                    else{
                        echo "Error";
                    }
                }
                catch(PDOException $mssg){
                    echo $mssg;
                }
            }
        }
        else{
            header('Location:../../../index.php');
        }
    }
    else{
        header('Location:../../../index.php');
    }
?>
```

Getcommentsinfo.php

```php
<?php
    function getComments(){
        require "config/connection.php";
        if($conn){
            $querykom = "SELECT r.comment as komentar,r.reviewid as id,u.name as
ime,u.surname as prezime, u.email as mail,u.username as imence, t.rolename as ulo
ga FROM review r INNER JOIN user u ON r.userId=u.UserId INNER JOIN role t ON u.ro
leId=t.RoleId";
            try{
```

```php
            $komentari = $conn->query($querykom)->fetchAll();
            return $komentari;
        }
        catch(PDOException $err){
            echo($err);
        }
    }
}
?>
```

Navigation :

Deletenavigation.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == "POST"){
        if($_POST['stiglo']){
            $id = $_POST['id'];
            require "../../../config/connection.php";
            if($conn){
                $query = "DELETE FROM navigation WHERE navid=:id";
                $action = $conn->prepare($query);
                $action->bindParam(":id",$id);
                try{
                    $uspeh = $action->execute();
                    if($uspeh){
                        echo "Successfully delted";
                        http_response_code(202);
                    }
                    else{
                        http_response_code(400);
                    }
                }
                catch(PDOException $msg){
                    echo $msg->getMessage();
                }
            }
            else{
            header("Location:../../../index.php");


            }
        }
        else{
            header("Location:../../../index.php");
        }
```

```php
?>
```

Getnav.php

```php
<?php
    function getNav(){
        require "config/connection.php";
        if($conn){
            $query = "SELECT navid as id,navname as name,href as href FROM naviga
tion";
            try{
                $items = $conn->query($query)->fetchAll();
                if($items){
                    return $items;
                }
                else{
                    http_response_code(404);
                }
            }
            catch(PDOException $sms){
                echo $sms->getMessage();
            }
        }
    }

?>
```

Getspecif.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == "POST"){
        if(isset($_POST['stiglo'])){
            $id = $_POST['id'];
            header("Content-type:application/json");
            require "../../../config/connection.php";
            if($conn){
                $query = "SELECT navid as id,navname as name,href as href FROM na
vigation WHERE navid = :id";
                $action = $conn->prepare($query);
                $action->bindParam(":id",$id);
                try{
                    $uspeh = $action->execute();
```

```php
                    if($uspeh){
                        $item = $action->fetchAll();
                        echo json_encode($item);
                    }
                    else{
                        http_response_code(404);
                    }
                }
                catch(PDOException $msg){
                    echo $msg->getMessage();
                }
            }
        }
        else{
            header("../../../index.php");
        }


    }
    else{
        header("../../../index.php");
    }

?>
```

Updatenavigation.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == "POST"){
        if(isset($_POST['stiglo'])){
            $id = $_POST['id'];
            $value = $_POST['value'];
            $href = $_POST['href'];
            //regexi
            $href_provera = "/^[a-zA-Z0-9.\/?&=]{6,99}$/";
            $greske = [];
            if(!preg_match($href_provera,$href)){
                    $greske[] = "href is invalid";
            }
            if(count($greske)){
                foreach($greske as $gres){
                    echo $gres;
                }
```

```php
            }
            else{
                require "../../../config/connection.php";
                if($conn){
                    $query = "UPDATE navigation SET href = :href,navname=:value W
HERE navid = :id";
                    $action = $conn->prepare($query);
                    $action->bindParam(":id",$id);
                    $action->bindParam(":href",$href);
                    $action->bindParam(":value",$value);
                    try {
                        $uspeh = $action->execute();
                        if($uspeh){
                            echo "Successfully updated";
                            http_response_code(202);
                        }
                        else{
                            http_response_code(400);
                        }
                    } catch (PDOException $th) {
                        echo $th->getMessage();
                    }

                }
            }
        }
        else{
        header("Location:../../../index.php");

        }

    }
    else{
        header("Location:../../../index.php");
    }






?>
```

Statistics

Statistics.php

```php
<?php
    function all_pages(){
        return
            ['author','building','login','register','question'];
    }

    function pristupStranama_procenat(){
        $niz = [];
        $author = 0;
        $sum = 0;
        $home = 0;
        $building = 0;
        $login = 0;
        $register = 0;
        $question = 0;
        $day = strtotime("1 day ago");
        define("LOG_FILE1",ABSOLUTE_PATH."/data/log.txt");

        @$log = file(LOG_FILE1);
        if(count($log)){
            foreach($log as $item){
                $part = explode("\t",$item);
                $url = explode(".php",$part[0]);
                if(strpos($url[1],'&')){
                    $strana = explode("&",$url[1])[0];
                    $strana = explode("=",$strana);
                    $strana = $strana[1];

                }
                else{
                    $strana = $url[1];
                    if(!$strana == ''){
                        $strana = explode("=",$strana)[1];
                    }
                }
                @$time = strtotime($part[1]);
                if(@$time >= $day){
                    switch($strana){
                        case "" :
                            $home++;
                            $sum++;
                        break;
                        case "author":
                            $author++;
```

```php
                                $sum++;
                            break;
                            case "building":
                                $building++;
                                $sum++;
                            case "login":
                                $login++;
                                $sum++;
                            break;
                            case "register":
                                $register++;
                                $sum++;
                            break;
                            case "question":
                                $question++;
                                $sum++;
                            break;
                    }
                }
            }
            if($sum > 0){
                $niz['author'] = round($author*100/$sum,2);
                $niz['home'] = round($home*100/$sum,2);
                $niz['login'] = round($login*100/$sum,2);
                $niz['register'] = round($register*100/$sum,2);
                $niz['question'] = round($question*100/$sum,2);
                $niz['building'] = round($building*100/$sum,2);
            }
        }
        return $niz;
    }
?>
```

User

Deleteuser.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == 'POST'){
        if($_POST['stiglo']){
            require '../../../config/connection.php';
            $id = $_POST['id'];
            if($conn){
                $upit = "DELETE FROM user WHERE userid = :id";
                $delete = $conn->prepare($upit);
                $delete->bindParam(":id",$id);
```

```php
            try{
                $uspeh = $delete->execute();
                if($uspeh){
                    echo "User deleted successfully";
                    http_response_code(202);
                }
                else{
                    http_response_code(404);
                }
            }
            catch(PDOException $mssg){
                echo $mssg;
            }
        }
    }
    else{
        header('Location:../../../index.php');
    }
    }
    else{
        header('Location:../../../index.php');
    }
?>
```

Getusers.php

```php
<?php
    function getUsers(){
        require "config/connection.php";
        if($conn){
            $korisnici = "SELECT u.userid as idu,u.name as name,u.surname as surn
ame, u.email as mail,u.username as userime, t.rolename as uloga1 FROM user u INNE
R JOIN role t ON u.roleId=t.RoleId WHERE t.rolename = 'user'";
            try{
                $users = $conn->query($korisnici)->fetchAll();
                return $users;
            }
            catch(PDOException $porukica){
                echo $porukica->getMessage();
            }
        }
    }
    function getAdmins(){
        require "config/connection.php";
        if($conn){
```

```php
            $korisnici = "SELECT u.userid as idu,u.name as name,u.surname as surn
ame, u.email as mail,u.username as userime, t.rolename as uloga1 FROM user u INNE
R JOIN role t ON u.roleId=t.RoleId WHERE t.rolename = 'admin'";
            try{
                $users = $conn->query($korisnici)->fetchAll();
                return $users;
            }
            catch(PDOException $porukica){
                echo $porukica->getMessage();
            }
        }
    }
?>
```

Votes

Getvotes.php

```php
<?php
    function getResults(){
        require "config/connection.php";
        if($conn){
            $queryVote = "SELECT COUNT(voteid) as broj,ROUND(AVG(result),2) as pr
osek FROM votes";
            try{
                $rezultatVotes = $conn->query($queryVote)->fetch();
                return $rezultatVotes;
            }
            catch(PDOException $mms){
                echo $mms->getMessage();
            }
        }
    }
?>
```

Autor

Podword.php

```php
<?php
// try {
//      $word = new COM("word.application");
//      $word->Visible = true;
//      $word->Documents->Add();
//      $word->Selection->TypeText("Sasa Pajovic\n");
//      $word->Selection-
>TypeText("Opste informacije o meni: Profesorka, verujte mi da mi word ne radi ni
```

```
 na localhostu, a boze moj tek na hostingu, tako da vam skratim muke odmah vi tu
 jedan minus.");
//      $word->Documents[1]->SaveAs("author.doc");
//      $word->Quit();
//      $word = null;
//      unset($word);
//      header("Location: ../../index.php?page=author");
// }
// catch (Exception $th) {
//      echo $th->getMessage();
// }
header("Content-type: application/vnd.ms-word");
 header("Content-Disposition: attachment;Filename=autor.doc");
 echo "<html>";
 echo "<meta http-equiv=\"Content-
Type\" content=\"text/html; charset=Windows1252\">";
 echo "<body>";
 echo "<b>Autor</b>";
 echo "<p>Moje ime je Sasa Pajovic, i nadam se da ovo napokon radi vise.</p>";
 echo "</body>";
 echo "</html>";
?>
```

Kod ne radi ni na Lokalhostu, jer mislim da sam uspeo da uništim php.ini. Ne bih znao da uradim na ovaj način koji nije zakomentarisan. Kod za ovakvo rešenje preuzet od koleginice Aleksandre Marković sa brojem indeksa 8/18.

Graditelji
Graditelji.php

```php
<?php
    if($_SERVER['REQUEST_METHOD'] == 'GET'){
        require "../../config/connection.php";
        if($conn){
            header("Content-Type: application/json");
            $upit = "SELECT builderId as id,builderName as name from builder";
            try{
                $graditelji = $conn->query($upit)->fetchAll();
                if($graditelji){
                    http_response_code(200);
                    echo json_encode($graditelji);
                }
            }
```

```php
            catch(PDOException $mssg){
                echo $mssg;
            }
        }
    }
    else{
        header("location:../../index.php");
    }
?>
```

Kategorije

Getcategory.php

```php
<?php
    if($_POST['uspelo']){
        require_once "../../config/connection.php";
        header("Content-Type: application/json");
        if($conn){
            $query = "SELECT categoryId,categoryName FROM category";
            try{
                $kategorije = $conn->query($query)->fetchAll();
                echo json_encode($kategorije);
            }
            catch(PDOException $mssg){
                echo $mssg;
            }
        }
    }
    else{
        header("Location:../../index.php");
    }
?>
```

Komentari

Dohvatanjekomentara.php

```php
<?php
    function kom_provera($id){
        require "config/connection.php";
        $upitKomentar = "SELECT r.comment as komentar,u.username as nickname FROM
 review r INNER JOIN user u ON r.userid = u.userid WHERE r.buildingid=:id";
        $dohvatiKomentar = $conn->prepare($upitKomentar);
        $dohvatiKomentar->bindParam(":id",$id);
        try{
            $uspesnost = $dohvatiKomentar->execute();
```

```php
            if($uspesnost && $dohvatiKomentar->rowCount()>0){
                $komentari = $dohvatiKomentar->fetchAll();
                foreach($komentari as $comm){
                    $nik = $comm['nickname'];
                    $vrednostKomentara = $comm['komentar'];
                    echo"
                    <div class='card card-kom'>
                    <div class='card-body'>
                        <h5 class='card-title usernameKom'> $nik</h5>
                        <p class='card-
text vrednostKom'>-  $vrednostKomentara</p>
                    </div>
                </div>
                    ";
                }
            }
            else{
                echo "<div class='card card-kom'>
                <div class='card-body'>
                    <span>There are no comments...</span>
                </div>
            </div>";
                }
            }
        catch(PDOException $mssg){
            echo $mssg;
        }
    }
    function dmgKom($id){
        echo '<button type="button" class="btn btn-info dgmKom" data-
toggle="modal" data-target="#exampleModal">Leave a comment</button>';
        echo "<div class='modal fade' id='exampleModal' tabindex='-
1' role='dialog' aria-labelledby='exampleModalLabel' aria-hidden='true'>
        <div class='modal-dialog' role='document'>
          <div class='modal-content'>
            <div class='modal-header'>
              <h5 class='modal-title' id='exampleModalLabel'>New comment</h5>
              <button type='button' class='close' data-dismiss='modal' aria-
label='Close'>
                <span aria-hidden='true'>&times;</span>
              </button>
            </div>
            <div class='modal-body'>
              <form>
                <div class='form-group'>
```

```
                <label for='komentar' class='col-form-label'>Comment:</label>
                <textarea class='form-control' id='komentar'></textarea>
                <small id='komentarHelp' class='form-text text-
muted'>Comment must include at least 3 words</small>
                </div>
            </form>
        </div>
        <div class='modal-footer'>
            <button type='button' class='btn btn-secondary' data-
dismiss='modal'>Close</button>
            <button type='button' class='btn btn-primary' id='dugme-
komentar' data-id='$id'>Send message</button>
        </div>
        </div>
        </div>
    </div>";
    }
?>
```

Upiskomentara.php

```php
<?php
    session_start();
    if(isset($_POST['stiglo']) && isset($_SESSION['user'])){
        $id = $_POST['zgradaId'];
        $komentar = $_POST['komentar'];
        $covek = $_SESSION['user'];
        $covekId = $covek['id'];
        $proveraKomentar = "/^[a-zđšžććA-ZĐŠŽĆČ.,;!?:'\%\-\.]{1,} [a-zđšžććA-
ZĐŠŽĆČ.,:?;!]{1,} .+$/";
        if(!preg_match($proveraKomentar,$komentar)){
            echo "Malo gresak";
        }
        else{
            require "../../config/connection.php";
            if($conn){
                $upit = "INSERT INTO review VALUES(null,:id,:userid,:komentar)";
                $upisKom = $conn->prepare($upit);
                $upisKom->bindParam(":id",$id);
                $upisKom->bindParam(":userid",$covekId);
                $upisKom->bindParam(":komentar",$komentar);
                try{
                    $uspelo = $upisKom->execute();
                    if($uspelo){
                        http_response_code(201);
```

```php
                        echo "Successfully commented, please refresh page";
                    }
                }
                catch(PDOException $mssg){
                    echo $mssg;
                }
            }
        }
    }
    else{
        header("Location:../../index.php");
    }

?>
```

Korisnik

Logout.php

```php
<?php
    session_start();
    if(isset($_SESSION['user'])){
        unset($_SESSION['user']);
        session_destroy();
        header("Location:../../index.php");
    }
    else{
        header("Location:../login.php");
    }
?>
```

Logovanje.php

```php
<?php
    session_start();
    if(isset($_POST['stiglo'])){
        header("Content-Type: application/json");
        $imence = $_POST['username'];
        $sifrica = $_POST['sifra'];
        $greskice = [];
        // Braca regexi
        $usernameProvera = "/^[A-ZĐŠŽĆČa-zđšžćč0-9]+(?:[ _-][A-Za-z0-9]+)*$/";
        $sifraProvera = "/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,21}$/";
        // provera
        if(!preg_match($usernameProvera,$imence)){
            $greskice[] = "Username is incorrect";
        }
        if(!preg_match($sifraProvera,$sifrica)){
```

```php
                $greskice[] = "Password is incorrect";
            }
        if(count($greskice)== 0){
            require "../../config/connection.php";
            if($conn){
                $upit = "SELECT u.userid as id,u.username,r.rolename as role FROM
 user u INNER JOIN role r ON u.roleid=r.roleid AND u.username = :username AND u.p
assword = :sifra";
                $sifrica = md5($sifrica);
                $log = $conn->prepare($upit);
                $log->bindParam(":username",$imence);
                $log->bindParam(":sifra",$sifrica);
                try{
                    $uspelo = $log->execute();
                    if($uspelo && $log->rowCount()==1){
                        $user = $log->fetch();
                        $_SESSION['user'] = $user;
                        http_response_code(200);
                        echo json_encode($user);
                    }
                    else{
                        http_response_code(404);
                    }

                }
                catch(PDOException $mssg){
                    echo $mssg;
                }
            }
        }

    }
    else{
        header("Location:../../index.php?page=login");
    }
?>
```

Proveraglasanja.php

```php
<?php
    function provera($id){
        require 'config/connection.php';
            if($conn){
                // Da li je user vec glasao
                $kveri = "SELECT userid FROM votes WHERE userid = :id ";
```

```php
            $provera = $conn->prepare($kveri);
            $provera->bindParam(":id",$id);
            try{
                $uspeh1 = $provera->execute();
                if($uspeh1 && $provera->rowCount() > 0){
                    return 1;
                }
                else{
                    return 0;
                }
            }
            catch(PDOException $nesto){
                echo $nesto;
            }
        }
    }
?>
```

Registracija.php

```php
<?php
    if(isset($_POST['stiglo'])){
        session_start();
        $ime = $_POST['ime'];
        $prezime = $_POST['prezime'];
        $userime = $_POST['username'];
        $mail = $_POST['mail'];
        $sifra = $_POST['sifra'];
        $sifraopet = $_POST['sifraopet'];
        $greske = [];

        // MALO REGEKSI

        $tekstProvera = "/^[A-ZĐŠŽĆČ][a-zđšžćč]{1,21}$/";
        $usernameProvera = "/^[A-ZĐŠŽĆČa-zđšžćč0-9]+(?:[ _-][A-Za-z0-9]+)*$/";
        $mailProvera = "/^([a-zA-Z0-9_\-\.]+)@([a-zA-Z0-9_\-\.]+)\.([a-zA-
Z]{2,5})$/";
        $sifraProvera = "/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,21}$/";

        if(!preg_match($tekstProvera,$ime)){
            $greske[] = "Malo je lose ime";
        }
        if(!preg_match($tekstProvera,$prezime)){
            $greske[] = "Malo je lose prezime";
        }
```

```php
        if(!preg_match($usernameProvera,$userime)){
            $greske[] = "Malo je los username";
        }
        if(!filter_var($mail,FILTER_VALIDATE_EMAIL)){
            $greske[] = "Malo je los mail";
        }
        if(!preg_match($sifraProvera,$sifra)){
            $greske[] = "Malo je losa sifra";
        }
        if(!($sifra==$sifraopet)){
            $greske[] = "Sifre se ne poklapaju";
        }
        if(count($greske) == 0){
            require "../../config/connection.php";
            if($conn){
                $upit = "INSERT INTO user VALUE(null,:ime,:prezime,:mail,:sifra,:
uloga,:username,:date)";
                // ULOGA ZA AUTORIZOVANOG KORISNIKA
                define("ULOGA",1);
                $uloga = ULOGA;
                // VREDNOST SIFRE SE STAVLJA U Md5 format
                $sifra = md5($sifra);
                $date = time();

                $upis = $conn->prepare($upit);
                $upis->bindParam(":ime",$ime);
                $upis->bindParam(":prezime",$prezime);
                $upis->bindParam(":mail",$mail);
                $upis->bindParam(":sifra",$sifra);
                $upis->bindParam(":uloga",$uloga);
                $upis->bindParam(":date",$date);
                $upis->bindParam(":username",$userime);
                try{
                    $uspelo = $upis->execute();
                    if($uspelo){
                        http_response_code(201);
                        echo "Registered successfully, head over to the LogIn pag
e";
                    }
                }
                catch(PDOException $mess){
                    echo "Change your username or Email, there is already an inst
ance of those registered";
                }
            }
```

```php
        }
    }
    else{
        header('Location:../../index.php?page=register');
    }
?>
```

Vote.php

```php
<?php
    session_start();
    if(isset($_SESSION['user'])){
    if($_SERVER['REQUEST_METHOD']=='POST'){
        if(isset($_POST['stiglo'])){
            $vote = $_POST['vote'];
            $user = $_SESSION['user'];
            $id = $user['id'];
            require "../../config/connection.php";
            if($conn){
                $query = "INSERT INTO votes VALUES(NULL,:vote,:id)";
                $upisi = $conn->prepare($query);
                $upisi->bindParam(":vote",$vote);
                $upisi->bindParam(":id",$id);
                try{
                    $uspeh = $upisi->execute();
                    if($uspeh){
                        http_response_code(201);
                        echo "Voted Successfully";
                    }
                    else{
                        echo "Something went wrong";
                    }
                }
                catch(PDOException $sms){
                    echo $sms;
                }

            }


        }
        else{
        header('Location:../../index.php');
        }
    }
```

```php
    else{
        header('Location:../../index.php');
    }
}


?>
```

Log
Upisulog.php

```php
<?php
    function pristup_strani(){
        define("LOG_FILE",ABSOLUTE_PATH."/data/log.txt");
        $putanja = LOG_FILE;
        @ $open = fopen($putanja,"a");
        if($open){
            $uri = $_SERVER['REQUEST_URI'];
            $date = date('d-m-Y H:i:s');
            $adresa = $_SERVER['REMOTE_ADDR'];
            @fwrite($open,"$uri\t$date\t$adresa\t\n");
            @fclose($open);
        }
    }
?>
```

Navigacija
Getnav.php

```php
<?php
    function nav_izlogovan(){
        require "config/connection.php";
        $element1 = "Home";
        $element2 = "Register";
        $element3 = "Log In";
        $element4 = "Author";
        if($conn){
            $upit = "SELECT navName as naziv,href as href FROM navigation WHERE n
avName IN (:element1,:element2,:element3,:element4)";
            $action = $conn->prepare($upit);
            $action->bindParam(":element1",$element1);
            $action->bindParam(":element2",$element2);
            $action->bindParam(":element3",$element3);
            $action->bindParam(":element4",$element4);
```

```php
            try{
                $uspeh = $action->execute();
                if($uspeh){
                    $elementi = $action->fetchAll();
                    return $elementi;
                }
            }
            catch(PDOException $i){
                echo $i->getMessage();
            }


        }
    }

    function nav_ulogovan(){
        require "config/connection.php";
        $element1 = "Home";
        $element2 = "Log out";
        $element3 = "Author";
        if($conn){
            $upit = "SELECT navName as naziv,href as href FROM navigation WHERE n
avName IN (:element1,:element2,:element3)";
            $action = $conn->prepare($upit);
            $action->bindParam(":element1",$element1);
            $action->bindParam(":element2",$element2);
            $action->bindParam(":element3",$element3);
            try{
                $uspeh = $action->execute();
                if($uspeh){
                    $elementi = $action->fetchAll();
                    return $elementi;
                }
            }
            catch(PDOException $i){
                echo $i->getMessage();
            }


        }
    }

?>
```

Post

Getbuilding.php

```php
<?php
        function dohvatiZgradu($id){
            require "config/connection.php";
            $query = "SELECT  b.buildingId as id ,b.name as ime,b.location as lok
acija ,b.price as cena ,b.Info as info ,c.builderName as graditelj,b.underconstru
ction as konstrukcija,p.src as src,p.alt as alt FROM buildings b INNER JOIN build
er c ON b.builderId = c.builderId INNER JOIN picture p ON b.buildingid = p.buildi
ngid WHERE b.buildingId = :id";
            $dohvati = $conn->prepare($query);
            $dohvati->bindParam(":id",$id);
            try{
                $akcija = $dohvati->execute();
                $broj = $dohvati->rowCount();
                if(!$akcija ){
                    http_response_code(404);
                }
                else if($broj < 1){
                    header("Location: 404.php");
                }
                else{
                    $zgrada = $dohvati->fetch();
                    return $zgrada;
                }
            }
            catch(PDOException $msg){
                echo $msg;
            }
        }
?>
```

Zgrade

Filterbuildings.php

```php
<?php
    if($_GET['id']){
        require_once "../../config/connection.php";
        header("Content-Type: application/json");
        $id = $_GET['id'];
        $upit = "SELECT b.buildingId as id,b.name as name,b.price as price,SUBSTR
(b.info FROM 1 FOR 180) as sinfo,b.categoryid as categoryid,p.src as src,p.alt as
 alt FROM buildings b INNER JOIN picture p ON b.buildingid = p.buildingid WHERE b
.categoryId = :id";
```

```php
        $filter = $conn->prepare($upit);
        $filter->bindParam(":id",$id);
        try{
            $upit = $filter->execute();
            if($upit){
                $podaci = $filter->fetchAll();
                echo json_encode($podaci);
                http_response_code(202);
            }
            else{
                http_response_code(404);
            }
        }
        catch(PDOException $msg){
            http_response_code(404);
        }
    }
    else{
        header('Location:../../index.php');
    }
?>
```

Getbuildings.php

```php
<?php
    function dohvatizgrade($broj){
        require "config/connection.php";
        if($conn){
            $limit = 6;
            $start = ($broj - 1)*$limit;
            $query = "SELECT b.buildingId as id,b.name as ime,b.price as cena ,b.
categoryid as kat,SUBSTR(b.info FROM 1 FOR 180) as sinfo,p.src as src,p.alt as al
t FROM buildings b INNER JOIN picture p ON b.buildingid = p.buildingid LIMIT $sta
rt,$limit";
            $action = $conn->prepare($query);
            try{
                $uspeh = $action->execute();
                if($uspeh && $action->rowCount() >= 1){
                    $tekstovi = $action->fetchAll();
                        http_response_code(202);
                        return $tekstovi;
                }
                else{
                    http_response_code(404);
                }
```

```php
            }
            catch(PDOException $p){
                http_response_code(404);
            }
        }
    }

    function paginacija(){
        require "config/connection.php";
        if($conn){
                $limit = 6;
                $query = "SELECT count(buildingId) as broj FROM buildings";
                try{
                    $broj = $conn->query($query);
                    $ukupanBroj = $broj->fetch();
                    $total = $ukupanBroj['broj'];
                    $brojStranica = ceil($total/$limit);
                    return $brojStranica;
                }
                catch(PDOException $p){
                    echo $p->getMessage();
                }
            }
        }
    }
?>
```

Views

Fixed

Footer.php

```php
<footer>
    <div class="container">
      <div class="row">
        <div class="col-lg-6">
          <h4 class="futer-naslov">About</h4>
          <p class="futer-
txt">Website made as a school project, based on PHP, keep in mind that non of thi
s belongs to me, and all pictures and names belong to the rightful owner.</p>
          <a href="mySquare.pdf" class="dokumentacija" target="_blank">Documentat
ion</a>
```

```
                <p class="futer-
txt">Copyright &copy; Template/<a href="https://startbootstrap.com/templates/">St
art Bootstrap</a></p>
            </div>
            <div class="col-lg-3">
                <p class="futer-txt mreze">Connect</p>
                <div class="drzimreze">
                    <a target="_blank" href="https://www.instagram.com/"class="mreza"><i
class="fab fa-instagram"></i></a>
                    <a target="_blank" href="https://www.facebook.com/"class="mreza"><i c
lass="fab fa-facebook-square"></i></i></a>
                    <a target="_blank" href="https://www.youtube.com/"class="mreza"><i cl
ass="fab fa-youtube"></i></a>
                    <a target="_blank" href="https://rs.linkedin.com/"class="mreza"><i cl
ass="fab fa-linkedin"></i></a>
                </div>
            </div>
        </div>
    </div>
  </footer>
<script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-
9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js
" integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin="an
onymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.
js" integrity="sha384-
wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6" crossorigin="an
onymous"></script>
<script src="assets/js/main.js" type="text/javascript"></script>

</body>

</html>
```

Head.php

```
<!DOCTYPE html>
<html lang="en">

<head>
```

```
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
  <meta name="author"content="Sasa Pajovic"/>
  <meta name="keywords" content="Building,Property,Info"/>
  <meta name="description" content="See the latest and greatest of our property o
ffers. Here you can find properties like houses, buildings or office spaces"/>
  <title>mySquare</title>
  <link rel="shortcut icon" href="assets/img/favicon.ico">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.2/css/al
l.css" integrity="sha384-
oS3vJWv+0UjzBfQzYUhtDYW+Pj2yciDJxpsK1OYPAYjqT085Qq/1cq5FLXAZQ7Ay" crossorigin="an
onymous">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1
/css/bootstrap.min.css" integrity="sha384-
Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="an
onymous">
  <link href="assets/css/main.css" rel="stylesheet">
</head>

<body>
```

Nav.php

```
<?php
  include "models/navigacija/getnav.php";
  $nav_izlogovan = nav_izlogovan();
  $nav_ulogovan = nav_ulogovan();
  session_start();
?>
<nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
    <div class="container">
      <a class="navbar-brand" href="index.php">mySquare</a>
      <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarResponsive" aria-controls="navbarResponsive" aria-
expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarResponsive">
        <!-- ispis linkova u zavisnosti od prisustva sesije -->
          <?php  if(!isset($_SESSION['user'])){?>
            <ul class="navbar-nav ml-auto">
            <?php foreach($nav_izlogovan as $nav) :?>
            <li class="nav-item">
```

```php
                <a class="nav-
link" href="<?=$nav['href']?>"><?=$nav['naziv']?></a>
                </li>
                <?php endforeach; ?>
            </ul>
            <?php } ?>
            <?php  if(isset($_SESSION['user'])){?>
              <ul class="navbar-nav ml-auto">
              <?php foreach($nav_ulogovan as $nav) :?>
              <li class="nav-item">
                <a class="nav-
link" href="<?=$nav['href']?>"><?=$nav['naziv']?></a>
                </li>
                <?php endforeach; ?>
            </ul>
            <?php } ?>
            <!-- kraj -->
        </div>
      </div>
    </nav>
```

Flexible

Admin.php

```php
<?php
    if(isset($_SESSION['user'])){
        $user = $_SESSION['user'];
        if($user['role'] == "admin"){
            include "models/admin/buildings/getbuildinginfo.php";
            include "models/admin/comments/getcommentsinfo.php";
            include "models/admin/users/getUsers.php";
            include "models/admin/votes/getvotes.php";
            include "models/admin/navigation/getNav.php";
            $buildings = getBuildings();
            $komentari = getComments();
            $users = getUsers();
            $admins = getAdmins();
            $rezultati = getResults();
            $navigacija = getNav();
            include "models/admin/statistics/functions.php";
            $info = pristupStranama_procenat();
            ?>
            <!-- STATISTIKA O POSECENOSTI STRANICA -->
```

```html
            <h4 class="bazaNaslovi">Statistics</h4>
            <table class="table">
                <thead>
                    <tr>
                    <th scope="col">Home</th>
                    <th scope="col">Building</th>
                    <th scope="col">Login</th>
                    <th scope="col">Register</th>
                    <th scope="col">Author</th>
                    <th scope="col">Question</th>
                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <th scope="col"><?=$info['home']?>%</th>
                        <th scope="col"><?=$info['building']?>%</th>
                        <th scope="col"><?=$info['login']?>%</th>
                        <th scope="col"><?=$info['register']?>%</th>
                        <th scope="col"><?=$info['author']?>%</th>
                        <th scope="col"><?=$info['question']?>%</th>
                    </tr>
                </tbody>
            </table>
            <!-- UPRAVLJANJE ZGRADAMA -->
            <h4 class="bazaNaslovi">Buildings</h4>
            <button type="button" class="btn btn-info" data-toggle="modal" data-
target="#insert-modal" id="insertDgm1">Create new building</button>
            <table class="table">
                <thead>
                    <tr>
                    <th scope="col">ID</th>
                    <th scope="col">Category</th>
                    <th scope="col">Builder</th>
                    <th scope="col">Name</th>
                    <th scope="col">Price</th>
                    <th scope="col">Location</th>
                    <th scope="col">Construction</th>
                    <th scope="col">UPDATE</th>
                    <th scope="col">DELETE</th>
                    </tr>
                </thead>
                <tbody>
                    <?php foreach($buildings as $hvat) :?>
                        <tr>
            <td><?= $hvat['id'] ?></td>
```

```html
            <td><?= $hvat['kategorija'] ?></td>
            <td><?= $hvat['graditelj'] ?></td>
            <td><?= $hvat['name'] ?></td>
            <td><?= $hvat['price'] ?></td>
            <td><?= $hvat['location'] ?></td>
            <td><?= $hvat['gradnja'] ?></td>
            <td><button type="button" class="btn btn-info dgmUp" data-
toggle="modal" data-target="#update-modal" data-
id = "<?=$hvat['id']?>">Update</button></td>
                <div class="modal fade" id="update-modal" tabindex="-
1" role="dialog" aria-labelledby="exampleModalLabel" aria-hidden="true">
                    <div class="modal-dialog" role="document">
                        <div class="modal-content">
                        <div class="modal-header">
                            <h5 class="modal-
title" id="exampleModalLabel" >Update</h5>
                            <button type="button" class="close" data-
dismiss="modal" aria-label="Close">
                            <span aria-hidden="true">&times;</span>
                            </button>
                        </div>
                        <div class="modal-body">
                            <!-- FORMA ZA UPDATE -->
                            <form method="post" action="updateZgrada.php">
                            <div class="form-group">
                                <label for="ddl-update" class="col-form-
label">Builder:</label>

                                <select id="ddl-update">
                                </select>
                            </div>
                            <div class="form-group">
                                <label for="ddl-update1" class="col-form-
label">Category:</label>

                                <select id="ddl-update1">
                                </select>
                            </div>
                            <div class="form-group">
                                <label for="update-name">Name:</label>
                                <input class="form-
control" type="text" id="update-name">
                                <small id="imeHelp3" class="form-text text-
muted">Name can only include letters, first letter must be capital, max 29 charac
ters</small>
                            </div>
                            <div class="form-group">
```

```html
                                            <label for="update-price">Price:</label>
                                            <input class="form-
control" type="text" id="update-price">
                                            <small id="imeHelp3" class="form-text text-
muted">price must be in ****.00 format, and maximum of 10 digits before dot</smal
l>
                                        </div>
                                        <div class="form-group">
                                            <label for="update-location">Location:</label>
                                            <input class="form-
control" type="text" id="update-location">
                                            <small id="imeHelp4" class="form-text text-
muted">Only letters and max of 29 charachters, location must be in format "city_n
ame, state_name"</small>
                                        </div>
                                        <div class='form-group'>
                                                <label for='infoDug' class='col-form-
label'>Info</label>
                                                <textarea class='form-
control' id='infoDug'></textarea>
                                                <small id='infoDugHelp' class='form-
text text-muted'>Info must include at least 3 words</small>
                                        </div>
                                        <div class="form-group">
                                            <label for="ddl-
update2">Under Construction:</label>
                                            <select id="ddl-update2">
                                                <option value="0">No</option>
                                                <option value="1">Yes</option>
                                            </select>
                                        </div>
                                        <input type="hidden" id="sakriveno">
                                        <button type="button" class="btn btn-
primary" id="update-dugme">Update</button>
                                        </form>
                                        <!-- Kraj forme -->
                                    </div>
                                    </div>
                                </div>
                            </div>
                    <td><button type="button" class="btn btn-info dgmDelete" data-
id="<?= $hvat['id'] ?>">Delete</button></td>
                    </tr>
                    <?php endforeach; ?>
                    </tbody>
```

```html
            </table>
                        <!-- FORMA ZA INSERT ZGRADE -->
                        <div class="modal fade" id="insert-modal" tabindex="-
1" role="dialog" aria-labelledby="exampleModalLabel" aria-hidden="true">
                    <div class="modal-dialog" role="document">
                        <div class="modal-content">
                        <div class="modal-header">
                            <h5 class="modal-
title" id="exampleModalLabel" >Insert</h5>
                            <button type="button" class="close" data-
dismiss="modal" aria-label="Close">
                            <span aria-hidden="true">&times;</span>
                            </button>
                        </div>
                        <div class="modal-body">
                            <!-- FORMA ZA INSERT -->
                            <form enctype="multipart/form-data" id="forma-
insert" method="POST" action="models/admin/buildings/createbuilding.php">
                            <div class="form-group">
                                <label for="ddl-insert" class="col-form-
label">Builder:</label>

                                <select id="ddl-insert" name="gradid">
                                </select>
                            </div>
                            <div class="form-group">
                                <label for="ddl-insert1" class="col-form-
label">Category:</label>

                                <select id="ddl-insert1" name="katid">
                                </select>
                            </div>
                            <div class="form-group">
                                <label for="insert-name">Name:</label>
                                <input class="form-
control" type="text" id="insert-name" name="ime">
                                <small id="imeHelp3" class="form-text text-
muted">Name can only include letters, first letter must be capital, max 29 charac
ters</small>
                            </div>
                            <div class="form-group">
                                <label for="insert-price">Price:</label>
                                <input class="form-
control" type="text" id="insert-price" name="cena">
                                <small id="imeHelp3" class="form-text text-
muted">Price must be in ****.00 format, and maximum of 10 digits before dot</smal
l>
```

```html
                                            </div>
                                            <div class="form-group">
                                                <label for="insert-location">Location:</label>
                                                <input class="form-control" type="text" id="insert-location" name="lokacija">
                                                <small id="imeHelp4" class="form-text text-muted">Only letters and max of 29 charachters, location must be in format "city_name, state_name"</small>
                                            </div>
                                            <div class='form-group'>
                                                        <label for='infoDug1' class='col-form-label'>Info</label>

                                                        <textarea class='form-control' id='infoDug1' name="longtxt1"></textarea>
                                                        <small id='infoDugHelp' class='form-text text-muted'>Info must include at least 3 words</small>
                                            </div>
                                            <div class="form-group">
                                                <label for="insert-src">Picture src:</label>
                                                <input class="form-control" type="file" id="insert-src" name="slika">
                                                <small id="imeHelp3" class="form-text text-muted">Picture must have .jpg extension and have maximum size of 600kb</small>
                                            </div>
                                            <div class="form-group">
                                                <label for="ddl-insert2">Under Construction:</label>
                                                <select id="ddl-insert2" name="konst">
                                                    <option value="0">No</option>
                                                    <option value="1">Yes</option>
                                                </select>
                                            </div>
                                            <input type="submit" value="Insert new building" class="btn btn-primary" name="stiglo">
                                        </form>
                                        <!-- Kraj forme -->
                                </div>
                                </div>
                        </div>
                    </div>
            <!-- KRAJ UPRAVLJANJA ZGRADAMA -->
            <!-- UPRAVLJANJE NAVIGACIJOM -->
            <h4 class="bazaNaslovi">Navigation</h4>
            <table class="table">
                <thead>
```

```html
                <tr>
                    <th scope="col">Id</th>
                    <th scope="col">Name</th>
                    <th scope="col">href</th>
                    <th scope="col">UPDATE</th>
                    <th scope="col">DELETE</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <?php foreach($navigacija as $nav) :?>
                    <tr>
                    <td scope="col"><?=$nav['id']?></td>
                    <td scope="col"><?=$nav['name']?></td>
                    <td scope="col"><?=$nav['href']?></td>
                    <td scope="col">
                        <button type="button" class="btn btn-
info updateNav" data-toggle="modal" data-target="#exampleModal" data-
id="<?=$nav['id']?>">Update</button>
                        <div class="modal fade" id="exampleModal" tabindex="-
1" role="dialog" aria-labelledby="exampleModalLabel" aria-hidden="true">
                        <div class="modal-dialog">
                            <div class="modal-content">
                            <div class="modal-header">
                                <h5 class="modal-
title" id="exampleModalLabel">Update navigation Item</h5>
                                <button type="button" class="close" data-
dismiss="modal" aria-label="Close">
                                <span aria-hidden="true">&times;</span>
                                </button>
                            </div>
                            <div class="modal-body">
                                <form>
                                <div class="form-group">
                                    <label for="recipient-name" class="col-
form-label">Value</label>
                                    <input type="text" class="form-
control" id="nav-value">
                                    <small id="imeHelp5" class="form-
text text-muted">Maximum of 32 char.</small>
                                </div>
                                <div class="form-group">
                                    <label for="message-text" class="col-
form-label">href</label>
```

```html
                                                    <input type="text" class="form-
control" id="nav-href">
                                                    <small id="imeHelp4" class="form-
text text-muted">No spaces allowed, maximum of 99 char.</small>

                                            </div>
                                            </form>
                                        </div>
                                        <div class="modal-footer">
                                            <button type="button" class="btn btn-
secondary" data-dismiss="modal">Close</button>
                                            <input type="hidden" class="sakriveno1">
                                            <button type="button" class="btn btn-
primary navIzmena">Update</button>
                                        </div>
                                        </div>
                                    </div>
                                    </div>
                            </td>
                            <td><button type="button" class="btn btn-
info navDelete" data-id="<?=$nav['id']?>">Delete</button></td>
                            </tr>
                            <?php endforeach ?>
                        </tr>
                    </tbody>
                </table>
                <!-- KRAJ UPRAVLJANJA NAVIGACIJOM -->

                <!-- UPRAVLJANJE KOMENTARIMA -->
                <h4 class="bazaNaslovi">Reviews</h4>
                    <table class="table">
                    <thead>
                        <tr>
                        <th scope="col">ID</th>
                        <th scope="col">Name</th>
                        <th scope="col">Surname</th>
                        <th scope="col">Email</th>
                        <th scope="col">Username</th>
                        <th scope="col">Role</th>
                        <th scope="col">Content</th>
                        <th scope="col">Remove</th>

                        </tr>
                    </thead>
                    <tbody>
```

```php
                    <?php foreach($komentari as $kom) : ?>
                    <tr>
                        <td><?= $kom['id'] ?></td>
                        <td><?= $kom['ime'] ?></td>
                        <td><?= $kom['prezime'] ?></td>
                        <td><?= $kom['mail'] ?></td>
                        <td><?= $kom['imence'] ?></td>
                        <td><?= $kom['uloga'] ?></td>
                        <td><?= $kom['komentar'] ?></td>
                        <td><button type="button" class="btn btn-
info komDelete" data-id="<?= $kom['id'] ?>">Delete</button></td>

                    </tr>
                    <?php endforeach; ?>
                </tbody>
            </table>
        <!-- KRAJ SA UPRAVLJANJEM KOMENTARA -->

        <!-- UPRAVLJANJE KORISNICIMA -->
        <h4 class="bazaNaslovi">Users</h4>
        <table class="table">
            <thead>
                <tr>
                <th scope="col">ID</th>
                <th scope="col">Name</th>
                <th scope="col">Surname</th>
                <th scope="col">Email</th>
                <th scope="col">Username</th>
                <th scope="col">Role</th>
                <th scope="col">Delete</th>
                </tr>
            </thead>
            <tbody>
                <?php foreach($users as $usr) : ?>
                <tr>
                    <td><?= $usr['idu'] ?></td>
                    <td><?= $usr['name'] ?></td>
                    <td><?= $usr['surname'] ?></td>
                    <td><?= $usr['mail'] ?></td>
                    <td><?= $usr['userime'] ?></td>
                    <td><?= $usr['uloga1'] ?></td>
                    <td><button type="button" class="btn btn-
info userDelete" data-id="<?= $usr['idu'] ?>">Delete</button></td></td>
                </tr>
                <?php endforeach; ?>
```

```html
            </tbody>
        </table>
        <!-- KRAJ UPRAVLJANJA KORISNICIMA -->

        <!-- UVID U ADMINE STRANE -->
        <h4 class="bazaNaslovi">Admins</h4>
        <table class="table">
            <thead>
                <tr>
                <th scope="col">ID</th>
                <th scope="col">Name</th>
                <th scope="col">Surname</th>
                <th scope="col">Email</th>
                <th scope="col">Username</th>
                <th scope="col">Role</th>
                </tr>
            </thead>
            <tbody>
                <?php foreach($admins as $usr) : ?>
                <tr>
                    <td><?= $usr['idu'] ?></td>
                    <td><?= $usr['name'] ?></td>
                    <td><?= $usr['surname'] ?></td>
                    <td><?= $usr['mail'] ?></td>
                    <td><?= $usr['userime'] ?></td>
                    <td><?= $usr['uloga1'] ?></td>

                </tr>
                <?php endforeach; ?>
            </tbody>
        </table>
        <!-- KRAJ UVIDA U ADMINE STRANE -->

        <!-- UVID U REZULTATE ANKETE -->
        <h4 class="bazaNaslovi">Vote results :</h4>
        <table class="table vote-result">
            <thead>
                <tr>
                    <th scope="col">Number of votes</th>
                    <th scope="col">Average grade</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td scope="col"><?= $rezultati['broj'] ?></td>
```

```php
                        <td scope="col"><?= $rezultati['prosek'] ?></td>
                    </tr>
                </tbody>
            </table>

<?php
        }
        else{
            header('Location:../../index.php');
        }
    }
    else{
        header('Location:../../index.php');
    }

?>
```

Author.php

```php
<?php
    include "models/log/upisulog.php";
    pristup_strani();
?>
<div class="container-fluid">
    <div class="container">
        <div class="row d-flex justify-content-around pb-5" id="padding">
            <div class="card mb-4 mt-5">
            <div class="row no-gutters" id="author">
                <div class="col-md-4">
                <img src="assets/img/smeca1.jpg" class="card-
img" alt="moja malenkost">
                </div>
                <div class="col-md-8">
                <div class="card-body">
                    <h5 class="card-title">About</h5>
                    <p class="card-
text">Hello, my name is Sasa, and i love to call myself Web Developer, altough I
am not one (YET!). Two years ago I started learning to code, focusing both on fro
nt and back-
end development. As you can assume, I had the first encounter with programming at
 ICT College. I have done multiple web projects by myself and realized that I am
really passionate about programming. I am 100% sure that I want to build a succes
sful career in IT, because it is fulfilling, and it makes me happy. If you want t
o know more things about me, feel free to check out <a href="https://spajovic.net
lify.app/"> my portfolio page</a></p>
```

```
                    <p class="card-text"><small class="text-
muted"><a href="models/author/podword.php">Export word document about me</a></sma
ll></p>
                </div>
                </div>
            </div>
            </div>
        </div>
    </div>
</div>
```

Building.php

```php
<?php
    if(isset($_GET['id'])){
        $id = $_GET['id'];
        include "models/post/getbuilding.php";
        $zgrada = dohvatiZgradu($id);
        include "models/log/upisulog.php";
        pristup_strani();
    }
    else{
        header("Location:../../index.php");
    }
?>
 <div class="container">
<div class="row">
    <div class="col-lg-9">
            <div class="card mt-4">
            <img class="card-img-top img-
fluid" src="assets/img/<?php echo $zgrada['src'];?>" alt="<?php echo $zgrada['alt
'];?>">
            <div class="card-body">
                <h3 class="card-
title naslovzgrade"><?php echo $zgrada['ime'];?></h3>
                <h4 class="cenazgrade"><?php echo $zgrada['cena'];?> $</h4>
                <p class="card-text"><?php echo $zgrada['info'];?></p>
                <h6 class="ozgradi"><b>Builder</b>: <?php echo $zgrada['graditelj
'];?></h6>
                <h6 class="ozgradi"><b>Location</b>: <?php echo $zgrada['lokacija
'];?></h6>

                <h6>
                    <?php
                        $konstrukcija = $zgrada['konstrukcija'];
                        if($konstrukcija){
```

```php
                echo "<del>READY TO BE USED</del>";
            }
            else{
                echo "<h5 class='spremno'>READY TO BE USED</h5>";
            }
        ?>
    </h6>
    </div>
    </div>
    <!-- /.card -->
    <div class="card card-outline-secondary my-4">
        <div class="card-header">
            <span id="naslov-komentar">Property reviews</span></br>
            <small>(you must be logged in to comment)</small>
        </div>
        <div class="card-body">
            <?php
                include "models/komentari/dohvaranjekom.php";
                kom_provera($id);
            ?>
            <?php
                if(isset($_SESSION['user'])){
                    dmgKom($id);
                }
                else{
                    echo '<a href="index.php?page=login" class="btn btn-info">Log In</a>';
                }
            ?>

        </div>
        </div>
    <!-- /.card -->

    </div>
<!-- /.col-lg-9 -->

</div>

</div>
```

Login.php

```php
<?php
    if(isset($_SESSION['user'])){
```

```
        header('Location:index.php');
    }
    include "models/log/upisulog.php";
    pristup_strani();
?>
<div class="container">
        <div class="row d-flex justify-content-around">
            <div class="col-lg-7" id="logovanje">

                <div class="card">
                    <div class="card-header">
                        <span class="span-naslov">Log In |</span>
                    </div>
                    <div class="card-body">
                    <form method="POST" action="logovanje.php">
                        <div class="form-group">
                            <label for="username2" class="labela-
input">Username</label>
                            <input class="form-
control" type="text" id="username2">
                        </div>
                        <div class="form-group">
                            <label for="sifra3" class="labela-
input">Password</label>
                            <input type="password" class="form-
control" id="sifra3">
                        </div>
                        <button type="button" class="btn btn-
primary" id="dugme1">Login</button>
                    </form>
                    </div>
                </div>

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

Pocetna.php

```
<?php

$strana = isset($_GET['page'])? $_GET['page'] : 1;

include "models/zgrade/getbuildings.php";
$zgrade = dohvatizgrade($strana);
```

```php
$brojStranica = paginacija();
include "models/log/upisulog.php";
pristup_strani();
?>

<div class="container">

<div class="row">
  <div class="col-lg-3">

    <h1 class="my-4" id="naslov">Our properties</h1>
    <div class="list-group" id="kategorije">

    </div>

  </div>

  <div class="col-lg-9">
    <div id="carouselExampleIndicators" class="carousel slide my-4" 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" role="listbox" id="slajdza">
          <div class="carousel-item active">
            <img class="d-block img-fluid" src="assets/img/slajder1.jpg" alt="First slide">
          </div>
          <div class="carousel-item">
            <img class="d-block img-fluid" src="assets/img/slajder2.jpg" alt="Second slide">
          </div>
          <div class="carousel-item">
            <img class="d-block img-fluid" src="assets/img/slajder3.jpg" alt="Third slide">
          </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>
```

```php
        </a>
        <a class="carousel-control-
next" href="#carouselExampleIndicators" role="button" data-slide="next">
            <span class="carousel-control-next-icon" aria-hidden="true"></span>
            <span class="sr-only">Next</span>
        </a>
    </div>

    <div class="row" id="zgrade">
        <!-- Ispis zgrada -->
        <?php foreach($zgrade as $zgrada) : ?>
            <div class="col-lg-4 col-md-6 mb-4">
            <div class="card h-100">
                <a href="index.php?page=building&&id=<?= $zgrada['id']?>"><img class="c
ard-img-top" src="assets/img/<?=$zgrada['src']?>" alt="<?=$zgrada['alt']?>"></a>
                <div class="card-body">
                    <h4 class="card-title">
                        <a href="index.php?page=building&&id=<?= $zgrada['id']?>" data-
id="<?=$zgrada['id']?>"><?= $zgrada['ime'] ?></a>
                    </h4>
                    <h5 class="cenazgrade"><?= $zgrada['cena']?> $</h5>
                    <p class="card-text"><?= $zgrada['sinfo']?>...</p>
                </div>
                <div class="card-footer">
                    <a href="index.php?page=building&&id=<?= $zgrada['id']?>" data-
id="<?=$zgrada['id']?>">More info -></a>
                </div>
            </div>
        </div>
        <?php endforeach; ?>
        <!-- Zgrade gotove -->
<nav aria-label="Page navigation example">
        <ul class="pagination">
            <!-- ISPIS PAGINACIJE -->
            <?php for($i = 1; $i <= $brojStranica;$i++) :?>
            <li class="page-item"><a class="page-
link" href="index.php?page=<?=$i?>"><?=$i?></a></li>
            <?php endfor;?>
            <!-- Zavrsen ispis paginacije -->
        </ul>
    </nav>
    </div>
  </div>
</div>
```

```
            </div>
```

Question.php

```php
<?php
    if(isset($_SESSION['user'])){
        $user = $_SESSION['user'];
        $id = $user['id'];
        if($user['role'] == 'user'){
            include "models/korisnik/proveraglasanja.php";
            $provera = provera($id);
            if($provera){
                header("Location:index.php");
            }
            else{
                include "models/log/upisulog.php";
                pristup_strani();
?>
<div class="container">
        <div class="row d-flex justify-content-around">
            <div class="col-lg-7" id="anketa">

                <div class="card">
                        <div class="card-header">
                            <span class="span-naslov">Vote |</span>
                        </div>
                        <div class="card-body">
                        <form>
                            <div class="form-group">
                                <label for="ddl-vote" class="labela-
input" >Let us know, how would u rate your current living space :</label>
                                <select id="ddl-vote">
                                    <option value="1">1</option>
                                    <option value="2">2</option>
                                    <option value="3">3</option>
                                    <option value="4">4</option>
                                    <option value="5">5</option>
                                </select>
                            </div>
                            <button type="button" class="btn btn-
primary" id="dgmVote">Vote</button>
                        </form>
                        </div>
                </div>
```

```php
                </div>
            </div>
        </div>
<?php
            }


        }
        else{
            header("Location:index.php");
        }
    }

?>
```

Register.php

```php
<?php
    if(isset($_SESSION['user'])){
        header('Location:index.php');
    }
    include "models/log/upisulog.php";
    pristup_strani();
?>
<div class="container">
    <div class="row d-flex justify-content-around">
        <div class="col-lg-7" id="registracija">
            <div class="card">
                <div class="card-header">
                    <span class="span-naslov">Become our member today</span>
                </div>
                <div class="card-body">
                <form method="POST" action="registracija.php">
                        <div class="form-group">
                            <label for="ime1" class="labela-
input">First Name</label>
                            <input class="form-control" type="text" id="ime1">
                            <small id="imeHelp" class="form-text text-
muted">Name must have first capital letter, no numbers or special characters, and
 max 22 characters</small>
                        </div>
                        <div class="form-group">
                            <label for="prezime1" class="labela-
input">Last Name</label>
```

```html
                                <input class="form-
control" type="text" id="prezime1">
                                    <small id="imeHelp" class="form-text text-
muted">Last name must have first capital letter, no numbers or special characters
, and max 22 characters</small>
                                </div>
                                <div class="form-group">
                                    <label for="username1" class="labela-
input">Username</label>
                                    <input class="form-
control" type="text" id="username1">
                                    <small id="userlHelp" class="form-text text-
muted">Username can include letters, numbers, - Or _  ,space is not allowed</smal
l>
                                </div>
                                <div class="form-group">
                                    <label for="mail1" class="labela-
input">Email address</label>
                                    <input type="email" class="form-
control" id="mail1" aria-describedby="emailHelp">
                                    <small id="emailHelp" class="form-text text-
muted">We'll never share your email with anyone else.</small>
                                </div>
                                <div class="form-group">
                                    <label for="sifra1" class="labela-
input">Password</label>
                                    <input type="password" class="form-
control" id="sifra1">
                                    <small id="passwordHelp" class="form-text text-
muted">Password must include at least one capital letter, one number, at least 8
characters, and maximum of 21 characters, special characters aren't allowed</smal
l>
                                </div>
                                <div class="form-group">
                                    <label for="sifra1" class="labela-
input">Confirm Password</label>
                                    <input type="password" class="form-
control" id="sifra2">
                                    <small id="passwordHelp" class="form-text text-
muted">Make sure your passwords match</small>
                                </div>
                                <button type="button" class="btn btn-
primary" id="dugme">Register</button>
                                <small id="redirekcija" class="form-text text-
muted">Already a member? <a href="login.php"> LogIn</a></small>
```

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

Config

Configuration.php

```php
<?php
    // Definisanje apsolutne putanje
    define("ABSOLUTE_PATH",$_SERVER['DOCUMENT_ROOT']);

    // Definisanje fajlova
    define("ENV_FILE",ABSOLUTE_PATH."/config/.env");

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

    function env($naziv){
        $vrednost = "";
        $otvaranje = fopen(ENV_FILE,"r");
        $podaci = file(ENV_FILE);

        foreach($podaci as $key=>$value){
            $konfig = explode('=',$value);
            if($konfig[0] == $naziv){
                $vrednost = trim($konfig[1]);
            }
        }
        return $vrednost;
    }
?>
```

Connection.php

```php
<?php
    include_once "configuration.php";
    try{
        $dsn = "mysql:host=".SERVER.";dbname=".DBNAME;
```

```php
        $password = PASSWORD;
        $username = USERNAME;
        @ $conn = new PDO($dsn,$username,$password);
        $conn->setAttribute(PDO::ATTR_DEFAULT_FETCH_MODE,PDO::FETCH_ASSOC);
        $conn->setAttribute(PDO::ATTR_ERRMODE,PDO::ERRMODE_EXCEPTION);
    }
    catch(PDOException $msg){
        $msg->getMessage();
        echo $msg;
    }
?>
```

Index.php

```php
<?php
    require_once "config/connection.php";
    if($conn){
        include "views/fixed/head.php";
        include "views/fixed/nav.php";

        if(!isset($_GET['page'])){
            include "views/flexible/pocetna.php";
        }
        else{
            switch($_GET['page']){
                case "building" :
                    include "views/flexible/building.php";
                break;
                case "register" :
                    include "views/flexible/register.php";
                break;
                case "login" :
                    include "views/flexible/login.php";
                break;
                case "logout" :
                    include "models/korisnik/logout.php";
                break;
                case "question" :
                    include "views/flexible/question.php";
                break;
                case "author" :
                    include "views/flexible/author.php";
                break;
```

```php
            break;
            case "admin" :
                include "views/flexible/admin.php";
            break;
            default :
                include "views/flexible/pocetna.php";
            break;
        }
    }

    include "views/fixed/footer.php";
}
?>
```

JS

```javascript
$('document').ready(function(){
    // ispisivanje kategorija
    ispisiKategorije();

    //registracija
    $('#dugme').on("click",registracija);

    //logovanje
    $("#dugme1").on("click",logovanje);

    // vote
    $("#dgmVote").on("click",glasanje);

    //komentarisanje
    $("#dugme-komentar").on("click",komentarisanje);

    // popunjavanje drop-down liste za graditeje
    ddlBuilders();

    // popunjavanje forme za update
    $(".dgmUp").on("click",popuniFormu);

    // provera fomre za update, i prosledjivanje podataka
    $("#update-dugme").on("click",updateZgrade);

    //brisanje zgrada
    $(".dgmDelete").on("click",brisanjeZgrade);

    // brisanje komentara
```

```javascript
$(".komDelete").on("click",brisanjeKomentara);

//brisanje korisnika
$(".userDelete").on("click",brisanjeKorisnika);

//brisanje navigacije
$(".navDelete").on("click",deleteNav);

//popuni update za navigaciju
$(".updateNav").on("click",fillNavUpdate);

//update navigacije
$(".navIzmena").on("click",updateNavigation);

// provera forme za insert na klijentu
$("#forma-insert").submit(function(e){
let insert_price = $('#insert-price').val();
let insert_name = $('#insert-name').val();
let insert_location = $('#insert-location').val();
let longtxt1 = $('#infoDug1').val();
let proveraCene = /^[0-9]{1,10}.00$/;
let proveraIme = /^[A-ZĐŠŽĆČa-zđšžćč0-9\s]{2,29}$/;
let proveraLokacije = /^[A-ZĐŠŽĆČ][a-zđšžćč]{1,40},\s{0,1}[A-ZĐŠŽĆČ][a-
zđšžćč]{1,40}$/;
let proveraInfo = /^[a-zđšžćčA-ZĐŠŽĆČ.,;!?:'\%\\\-\.]{1,} [a-zđšžćčA-
ZĐŠŽĆČ.,:?;!]{1,} .+$/;
let greskice = [];
if(!(proveraCene.test(insert_price))){
    $('#insert-price').css({border:'1px solid red'});
    greskice.push("Price is invalid");
}
if(!(proveraIme.test(insert_name))){
    $('#insert-name').css({border:'1px solid red'});
    greskice.push("Name is invalid");
}
if(!(proveraLokacije.test(insert_location))){
    $('#insert-location').css({border:'1px solid red'});
    greskice.push("Location is invalid");
}
if(!(proveraInfo.test(longtxt1))){
    $('#infoDug1').css({border:'1px solid red'});
    greskice.push("Long info is invalid");
}
if(greskice.length){
    for(let greska of greskice){
```

```javascript
                alert(greska);
            }
            event.preventDefault();
            e.preventDefault();
            return false;
        }
        else{
            return true;
        }
    });

});

// Ispisi kategorije
function ispisiKategorije(){
    $.ajax({
        url:'models/kategorije/getcategory.php',
        type:'post',
        data:{
            uspelo:true
        },
        dataType:'json',
        success: function(data){
            let ispis = ``;
            let ispis2 = ``;
            data.forEach(function(el){
                ispis+=`
                <a href="#" class="list-group-item kat" data-
id="${el.categoryId}">${el.categoryName}</a>
                `;
                ispis2 += `
                <option value="${el.categoryId}">${el.categoryName}</option>
                `;
            });
            $('#ddl-update1').html(ispis2);
            $('#ddl-insert1').html(ispis2);
            $('#kategorije').html(ispis);
            $('.kat').on('click',function(e){
                e.preventDefault();
                let id = this.dataset.id;
                $.ajax({
                    url:'models/zgrade/filterbuildings.php?id='+id,
                    type:'get',
                    dataType:'json',
                    success:function(data){
```

```javascript
                    ispisiZgrade(data);
                },
                error:function(xhr,status,error){
                    if(xhr.status == 404){
                        console.log("There are no buildings in this category"
);
                    }
                }
            })
        });
    },
    error:function(xhr,status,error){
        console.log(xhr.responseText);
    }
});
}

// Funkcija za registraciju
function registracija(){
    let imeVrednost = $('#ime1').val();
        let prezimeVrednost = $('#prezime1').val();
        let usernameVrednost = $('#username1').val();
        let emailVrednost = $('#mail1').val();
        let sifraVrednost = $('#sifra1').val();
        let ponoviSifru = $('#sifra2').val();
        let greske = [];
        let proveraTekst = /^[A-ZĐŠŽĆČ][a-zđšžćč]{1,21}$/;
        let proveraUsername = /^[A-ZĐŠŽĆČa-zđšžćč0-9]+(?:[ _-][A-Za-z0-9]+)*$/;
        let proveraMail = /^([a-zA-Z0-9_\-\.]+)@([a-zA-Z0-9_\-\.]+)\.([a-zA-
Z]{2,5})$/;
        let proveraaSifre = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,21}$/;
        if(proveraTekst.test(imeVrednost)){
            $('#ime1').css({border:"1px solid green"});
        }
        else{
            $('#ime1').css({border:"1px solid red"});
            greske.push("Name is invalid");
        }
        if(proveraTekst.test(prezimeVrednost)){
            $('#prezime1').css({border:"1px solid green"});
        }
        else{
            $('#prezime1').css({border:"1px solid red"});
            greske.push("Surname is invalid");
        }
```

```javascript
            if(proveraUsername.test(usernameVrednost)){
                $('#username1').css({border:"1px solid green"});
            }
            else{
                $('#username1').css({border:"1px solid red"});
                greske.push("Username is invalid");
            }
            if(proveraMail.test(emailVrednost)){
                $('#mail1').css({border:"1px solid green"});
            }
            else{
                $('#mail1').css({border:"1px solid red"});
                greske.push("Mail is invalid");
            }
            if(proveraaSifre.test(sifraVrednost)){
                $('#sifra1').css({border:"1px solid green"});
            }
            else{
                $('#sifra1').css({border:"1px solid red"});
                greske.push("Password is invalid");
            }
            if(sifraVrednost == ponoviSifru){
                $('#sifra2').css({border:"1px solid green"});
            }
            else{
                $('#sifra2').css({border:"1px solid red"});
                greske.push("Passwords don't match");
            }
            if(greske.length){
                for(let gres of greske){
                    alert(gres);
                }
            }
            else{
                $.ajax({
                    url:'models/korisnik/registracija.php',
                    type:'post',
                    data:{
                        ime:imeVrednost,
                        prezime:prezimeVrednost,
                        username:usernameVrednost,
                        mail:emailVrednost,
                        sifra:sifraVrednost,
                        sifraopet:ponoviSifru,
                        stiglo:true
```

```javascript
                },
                success: function(data){
                    alert(data);
                    if(data == 'Registered successfully, head over to the LogIn p
age'){
                        location.replace('http://praktipumphp.epizy.com/index.php
?page=login');
                    }
                },
                error:function(error,status,xhr){
                    let message = "Error";
                    switch(xhr.status){
                        case 404:
                            message = "Page not found";
                            break;
                        case 409:
                            message = "Username or email exists";
                            break;
                        case 422:
                            message = "Not valid";
                            break;
                        case 500:
                            message = "Server is experiencing some errors, please
 try again later";
                            break;
                    }
                    alert(message);
                }
            })
        }
}

// Funkcija za logovanje
function logovanje(){
    let usernameVrednost = $('#username2').val();
    let sifraVrednost = $('#sifra3').val();
    let proveraUsername = /^[A-ZĐŠŽĆČa-zđšžćč0-9]+(?:[ _-][A-Za-z0-9]+)*$/;
    let proveraaSifre = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[a-zA-Z\d]{8,21}$/;
    let greske = [];
    if(proveraUsername.test(usernameVrednost)){
    }
    else{
        $('#username2').css({border:"1px solid red"});
        greske.push("malo greska");
    }
```

```javascript
        if(proveraaSifre.test(sifraVrednost)){
        }
        else{
            $('#sifra3').css({border:"1px solid red"});
            greske.push("malo greska");
        }
        if(greske.length){
            alert("Make sure your incredentials are correct");
        }
        else{
            // LOGOVANJE
            $.ajax({
                url:'models/korisnik/logovanje.php',
                type:'post',
                dataType:'json',
                data:{
                    username:usernameVrednost,
                    sifra:sifraVrednost,
                    stiglo:true
                },
                success:function(data){
                    if(data == "Username or password is invalid"){
                        alert(data);
                    }
                    if(data.role == "admin"){
                        location.replace('http://praktipumphp.epizy.com/index.php?pag
e=admin');
                    }
                    else{
                        location.replace('http://praktipumphp.epizy.com/index.php?pag
e=question');
                    }
                },
                error:function(error,status,xhr){
                    let message = "Make sure your credentials are correct";
                    switch(xhr.status){
                        case 404:
                            message = "Page not found";
                            break;
                        case 409:
                            message = "Username or email exists";
                            break;
                        case 422:
                            message = "Not valid";
                            break;
```

```
                    case 500:
                        message = "Server is experiencing some errors, please try
 again later";
                        break;
                }
                alert(message);
            }

        });
    }
}
//Funkcija za upisivanje rezultata ankete
function glasanje(){
    ddl_vote = $('#ddl-vote').val();
        $.ajax({
            url:"models/korisnik/vote.php",
            type:'post',
            data:{
                stiglo:true,
                vote:ddl_vote
            },
            success:function(data){
                alert(data);
                location.replace('http://praktipumphp.epizy.com/index.php');
            },
            error: function(err, error, xhr){
                console.log(err);
            }
        });
}
//Funkcija za popunjavanje forme za update navigacije
function fillNavUpdate(){
    let id = this.dataset.id;
    $.ajax({
        url:'models/admin/navigation/getspecif.php',
        type:"post",
        dataType: 'json',
        data: {
            id:id,
            stiglo:true
        },
        success:function(data){
            data.forEach(function(e){
                $("#nav-value").val(e.name);
                $("#nav-href").val(e.href);
```

```javascript
                $(".sakriveno1").val(e.id);
            });
        },
        error:function(xhr){
            console.log(xhr.responseText);
        }
    });
}
// Funkcija za update Navigacije
function updateNavigation(){
    let id = $(".sakriveno1").val();
    console.log(id);
    let value = $("#nav-value").val();
    let href =$("#nav-href").val();
    let value_regex = /^[\w'\-,.][^0-9_!¡?÷?¿/\\+=@#$%^&*(){}|~<>;:[\]]{2,32}$/;
    let href_regex = /^[a-zA-Z0-9.\/?&=]{6,99}$/;
    let greske = [];
    if(!(value_regex.test(value))){
        $('#nav-value').css({border:'1px solid red'});
        greske.push("Value is invalid");
    }
    if(!(href_regex.test(href))){
        $('#nav-href').css({border:'1px solid red'});
        greske.push("Href is invalid");
    }
    if(greske.length){
        greske.forEach(function(el){
            alert(el);
        });
    }
    else{
        $.ajax({
            url:"models/admin/navigation/updatenavigation.php",
            type:"POST",
            data:{
                stiglo:true,
                value:value,
                href:href,
                id:id
            },
            success:function(data){
                if(data == "Successfully updated"){
                    alert(data);
                    location.reload();
                }
```

```
			},
			error:function(xhr){
				if(xhr.status == 404){
					alert("Error");
				}
				console.log(xhr.responseText);
			}
		})
	}

}
// Funkcija za komentarisanje
function komentarisanje(){
	let id = this.dataset.id;
		let komentarVrednost = $('#komentar').val();
		let proveraKomentar = /^[a-zđšžćčA-ZĐŠŽĆČ.,;!?:'\%\\\-\.]{1,} [a-zđšžćčA-
ZĐŠŽĆČ.,:?;!]{1,} .+$/;
		if(proveraKomentar.test(komentarVrednost)){
			$('#komentar').css({border:"1px solid green"});
			$.ajax({
				url:'models/komentari/upiskomentara.php',
				type:'post',
				data:{
					zgradaId:id,
					komentar:komentarVrednost,
					stiglo:true
				},
				success:function(data){
					alert(data);
					if(data == "Successfully commented, please refresh page"){
						location.reload();
					}

				},
				error:function(error){
					console.log(error);
				}
			})
		}
		else{
			$('#komentar').css({border:"1px solid red"});
		}
}
// Funkcija za dohvatanje graditelja
function ddlBuilders(){
```

```javascript
    $.ajax({
        url:"models/graditelji/graditelji.php",
        dataType:'json',
        success:function(data){
            let ispis = ``;
            data.forEach(function(el){
                ispis +=`
                    <option value="${el.id}">${el.name}</option>`;
            });
            $('#ddl-update').html(ispis);
            $('#ddl-insert').html(ispis);
        },
        error:function(xhr,status){
            console.log(xhr);
        }
    });
}
// Delete Navigacije
function deleteNav(){
    let id = this.dataset.id;
    $.ajax({
        url:'models/admin/navigation/deleteNavigation.php',
        type:'post',
        data:{
            id:id,
            stiglo:true
        },
        success:function(data){
            if(data == "Successfully delted"){
                alert(data);
                location.reload();
            }
            else{
                console.log(data);
            }
        },
        error:function(xhr){
            console.log(xhr.responseText);
        }
    });
}
// Funkcija za popunjavanje forme za UPDATE zgrade
function popuniFormu(){
    let id = this.dataset.id;
        $.ajax({
```

```javascript
            url:'models/admin/buildings/popuniupdate.php',
            type:'POST',
            dataType:"json",
            data:{
                id:id,
                stiglo:true
            },
            success:function(data){
                    $('#ddl-update').val(data.gradid);
                    $('#ddl-update1').val(data.katid);
                    $('#update-name').val(data.ime);
                    $('#update-price').val(data.cena);
                    $('#update-location').val(data.lokacija);
                    $('#infoDug').val(data.duzi);
                    $('#ddl-update2').val(data.konst);
                    $('#sakriveno').val(id);
            },
            error:function(xhr,error){

            }
        })
}

// Update zgrade
function updateZgrade(){
    let id = $('#sakriveno').val();
        let ddl_update = $('#ddl-update').val();
        let ddl_update1 = $('#ddl-update1').val();
        let update_price = $('#update-price').val();
        let update_name = $('#update-name').val();
        let update_location = $('#update-location').val();
        let ddl_update2 = $('#ddl-update2').val();
        let longtxt = $('#infoDug').val();
        let proveraCene = /^[0-9]{1,10}.00$/;
        let proveraIme = /^[A-ZĐŠŽĆČa-zđšžćč0-9\s]{2,29}$/;
        let proveraLokacije = /^[A-ZĐŠŽĆČ][a-zđšžćč]{1,40},\s{0,1}[A-ZĐŠŽĆČ][a-
zđšžćč]{1,40}$/;
        let proveraInfo = /^[a-zđšžćčA-ZĐŠŽĆČ.,;!?:'\%\\\-\.]{1,} [a-zđšžćčA-
ZĐŠŽĆČ.,:?;!]{1,} .+$/;
        let greskice = [];
        if(!(proveraCene.test(update_price))){
            $('#update-price').css({border:'1px solid red'});
            greskice.push("Price is invalid");
        }
        if(!(proveraLokacije.test(update_location))){
```

```javascript
            $('#update-location').css({border:'1px solid red'});
            greskice.push("Location is invalid");
        }
        if(!(proveraIme.test(update_name))){
            $('#update-name').css({border:'1px solid red'});
            greskice.push("Name is invalid");
        }
        if(!(proveraInfo.test(longtxt))){
            $('#infoDug').css({border:'1px solid red'});
            greskice.push("Long info is invalid");
        }
        if(greskice.length){
            for(let greska of greskice){
                alert(greska);
            }
        }
        else{
            $.ajax({
                url:'models/admin/buildings/updatezgrade.php',
                type:"post",
                data:{
                    stiglo:true,
                    gradid:ddl_update,
                    katid:ddl_update1,
                    ime:update_name,
                    cena:update_price,
                    lokacija:update_location,
                    longtxt:longtxt,
                    konst:ddl_update2,
                    id:id
                },
                success:function(data){
                    alert(data);
                    if(data =="Updated successfully"){
                        location.reload();
                    }
                },
                error:function(xhr,status,error){
                    let message = "Error";
                    switch(xhr.status){
                        case 404:
                            message = "Page not found";
                            break;
                        case 409:
                            message = "Something went worng";
```

```
                            break;
                    case 422:
                            message = "Not valid";
                            break;
                    case 500:
                            message = "Server is experiencing some errors, please
 try again later";
                            break;
                }
                alert(message);
            }
        });
    }
}
// Brisanje zgrada
function brisanjeZgrade(){
    let id = this.dataset.id;
        $.ajax({
            url:'models/admin/buildings/deletebuilding.php',
            type:'post',
            data:{
                stiglo:true,
                id:id
            },
            success:function(data){
                alert(data);
                if(data == "Building deleted successfully"){
                    location.reload();
                }
            },
            error(xhr,err,error){
                alert(xhr.responseText);
            }
        });
}

// brisanje komentara
function brisanjeKomentara(){
    let id = this.dataset.id;
        $.ajax({
            url:'models/admin/comments/deletecomm.php',
            type:'post',
            data:{
                stiglo:true,
                id:id
```

```
            },
            success: function(data){
                alert(data);
                if(data == "Comment deleted successfully"){
                    location.reload();
                }
            },
            error(xhr,err,error){
                console.log(xhr.responseText);
            }

        });
}
// brisanje korisnika
    function brisanjeKorisnika(){
        let id = this.dataset.id;
        $.ajax({
            url:'models/admin/users/deleteuser.php',
            type:'post',
            data:{
                stiglo:true,
                id:id
            },
            success: function(data){
                alert(data);
                if(data == "User deleted successfully"){
                    location.reload();
                }
            },
            error(xhr,err,error){
                console.log(error);
            }
        });
    }
// Funkcija za ispisivanje zgrada
    function ispisiZgrade(data){
        let ispis = ``;
                data.forEach(function(el){
                    ispis+=`
                    <div class="col-lg-4 col-md-6 mb-4 buildings">
                    <div class="card h-100">
                        <a href="index.php?page=building&&id=${el.id}"><img class="
card-img-top" src="assets/img/${el.src}" alt="${el.alt}"></a>
                        <div class="card-body">
                            <h4 class="card-title">
```

```
                                <a href="index.php?page=building&&id=${el.id}" data-
id="${el.id}">${el.name}</a>
                            </h4>
                            <h5>$${el.price}</h5>
                            <p class="card-text">${el.sinfo}</p>
                        </div>
                        <div class="card-footer">
                        <a href="index.php?page=building&&id=${el.id}" data-
id="${el.id}">More info -></a>
                        </div>
                    </div>
                </div>
                `;
            });
            $('#zgrade').html(ispis);
    }
```

CSS

```css
@import url('https://fonts.googleapis.com/css?family=Crimson+Pro&display=swap');
body{
    padding-top: 56px;
    font-family: 'Crimson Pro', serif;
}
#naslov{
    font-size: 35px!important;
}
.navbar-dark .navbar-nav .nav-link{
    font-size: 18px;
}
.navbar-dark .navbar-brand{
    font-size: 24px;
}
a{
    color:#276FBF;
}
p{
    color:#0A0908;
}
.navbar-dark .navbar-brand{
    color:#F2F4F3;
}
#btnPanel{
    margin-top: 15px;
```

```css
}
.list-group-item{
    font-size: 18px;
}
.pagination{
    margin-left: 15px;
    margin-bottom: 20px;
}
.spremno{
    color:rgb(50, 214, 77);
    font-size: 20px;
}
del{
    color:rgb(228, 74, 74);
    font-size: 20px;
}
.ozgradi{
    font-size: 17px;
    margin-top: 3px;
}
#naslov-komentar{
    font-size: 20px;
    color:#0A0908;
    font-weight: bold;
}
.card-kom{
    margin-bottom: 8px;
}
.dgmKom{
    margin-top:10px;
}
.bg-dark{
    background-color: #22333B;
}
.cenazgrade{
    font-weight:bold;
}
i{
    margin-top: 2px;
}
.usernameKom{
    font-size: 20px;
    font-style: italic;
}
.urediUser{
```

```css
    text-decoration: underline;
}
.bazaNaslovi{
    text-align: center;
    padding: 16px 0px 10px 0px;
}
.vote-result{
    width:50%;
    margin: 0px auto;
    margin-bottom: 60px;
}
#insertDgm1{
    margin:10px 10% 10px 10%;
}
.labela-input{
    font-weight: bold;
}
.span-naslov{
    font-size: 21px;
}
#logovanje{
    margin:80px 0px 228px 0px;
}
#registracija {
    margin: 45px 0px 45px 0px;
}
#anketa{
    margin:155px 0px 280px 0px;
}
.futer-txt{
    color:#F2F4F3;
}
.dokumentacija{
    color:#276FBF;
}
.mreze{
    font-size: 20px;
}
.mreza{
    font-size: 20px;
}
footer{
    padding:10px 0px 0px 0px!important;
    background-color: #343a40!important;
}
```

```css
.drzimreze{
    width:60%;
    display: flex;
    justify-content: space-between;
}
.mreza{
    font-size: 18px;
    color:#F2F4F3;
}
.futer-naslov{
    color:#F2F4F3;
}
```