Visoka škola strukovnih studija za informacione i komunikacione tehnoligije Beograd



Laravel projekat

Veljko Vulović

Smer: Internet tehnologije

Predmet: Web programiranje PHP 2

# Sadržaj

1. Uvod	4
1.1. Korišćene tehnologije	4
1.3 Opis funkcionalnosti	4
1.3 Template	5
2. Organizacija	5
2.1 Baza podataka	5
2.2 Slike i opisi stranica	5
Home	5
Products	8
Product	10
Contact	11
Register	13
Login	14
Admin	15
3. Kodovi	17
3.1 Controllers	17
3.1.1 Home controller	17
3.1.2 Product controller	17
3.1.3 Auth controller	18
3.1.4 Admin controller	20
3.1.5 Contact controller	22
3.2 Models	22
3.2.1 User	22
3.2.2 Role	23
3.2.3 Product	23
3.2.4 Genre	24
3.2.5 Publisher	24
3.2.6 Category	24
3.3 Middlewares	25
3.3.1 IsGuest	25
3.3.2 IsLoggedIn	25
3.3.3 IsAdmin	26

27
27
28
28
29
30
31
31
40
44
45
47
49
51
52
52
52
53
53
57

#### 1. Uvod

## 1.1. Korišćene tehnologije

- HTML5
- CSS3
- JavaScript
- jQuery
- PHP
- Laravel
- MySQL

## 1.3 Opis funkcionalnosti

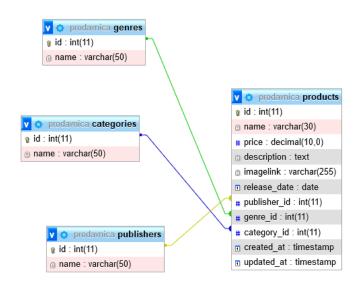
GM:S sajt je web aplikacija namenjena za pregled i poručivanje video igara. Da bi se pristupilo sajtu potrebno je registrovati se, odnosno posedovati nalog. Kada se korisnik registruje, dobija status autorizovanog korisnika i dobija mogućnost pristupa svim pregledu sadržaja i poručivanju igara. Na home stranici se prikazuju osnovne informacije o firmi kao i prikaz najnovijih igara. Na stranici products sa desne strane se prikazuje stranica sa prvih 6 igara. Sa leve strane je forma za filtriranje, sortiranje i pretragu igara po različitim kriterijumima. U podnožju su dugmići za promenu strane. Na stranici contact korisnicima je forma kojom je moguće kontaktirati firmu sa bilo kojim pitanjem. Stranica admin je stranica kojoj pristup imaju isključivo korisnici sa administratorskim privilegijama. Na ovoj stranici moguće je pregledati najbitnije stavke iz baze podataka, kao i listu sa najnovijim proizvodima. Ispod se nalaze forme za upis, izmenu i brisanje proizvoda.

## 1.3 Template

Korišćen je gotov CSS template preuzet sa <a href="https://templatemo.com/">https://templatemo.com/</a>. Template je modifikovan za potrebe sajta.

## 2. Organizacija

## 2.1 Baza podataka

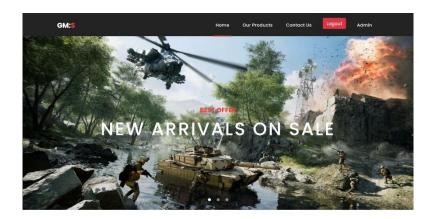




## 2.2 Slike i opisi stranica

#### Home

Na home stranici postoji meni sa linkovima, ispod se nalazi interaktivan baner sa tri slike. Ispod se nalazi lista od 6 najnovijih proizvoda. Klikom na proizvod otvara se nova stranica gde se prikazuju detalji izabranog proizvoda.



Latest Products

VIEW ALL PRODUCTS >























#### About GM:S

#### Looking for the best products?

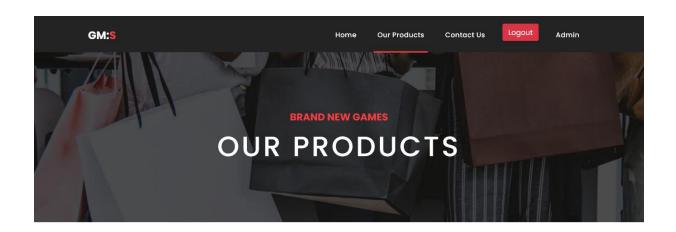
Fast delivery Good deals Return policy

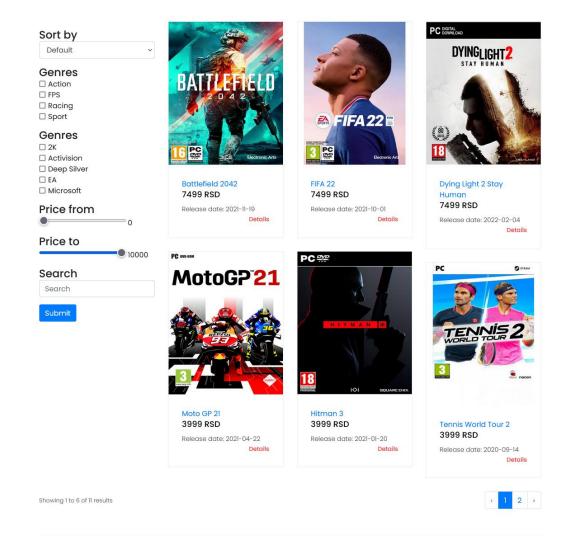
Happy shopping!



## **Products**

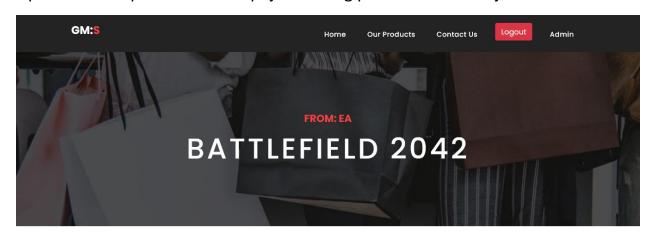
Na product stranici postoji lista od 6 proizvoda koji se prikazuju. Omogućena je promena stranice pritiskom na dugmiće u podnožju. Sa leve strane postoji forma kojom se omogućava filtriranje, sortiranje i pretraga proizvoda po imenu. Klikom na neki proizvod otvara se nova stranica sa detaljima izabranog proizvoda.





## **Product**

Ispod se nalazi primer stranice pojedinačnog proizvoda sa detaljima.





## **Battlefield 2042**

Publisher: EA

Genre: FPS

Price: 7499 RSD

Category: PC

Release date: 2021-11-19

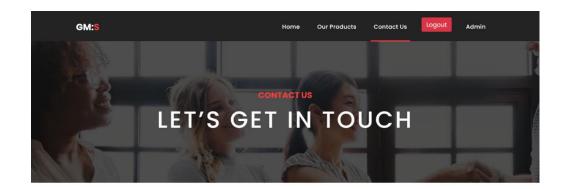
#### Description:

Battlefield 2042 is a multiplayer first-person shooter developed by EA DICE. It is another release of one of the most popular shooter game franchises in the whole industry, that gathers millions of players from all over the world, battling each other on virtual battlefields.

COPYRIGHT © 2022 VELJKO VULOVIC - DESIGN: TEMPLATEMO
DOCUMENTATION
ABOUT AUTHOR
SITEMAP

# Contact

Na ovoj stranici korisnik može kontaktirati firmu sa bilo kojim pitanjem.



#### Our Location on Maps



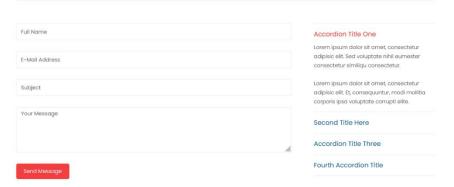
#### About our office

Lorem ipsum dolor sit amet, consectetur adipisic elit. Sed voluptate nihil eumester consectetur similiqu consectetur.

Lorem ipsum dolor sit amet, consectetur adipisic elit. Et, consequuntur, modi mollitic corporis ipsa voluptate corrupti.



#### Send us a Message



#### **Our Happy Customers**











# Register

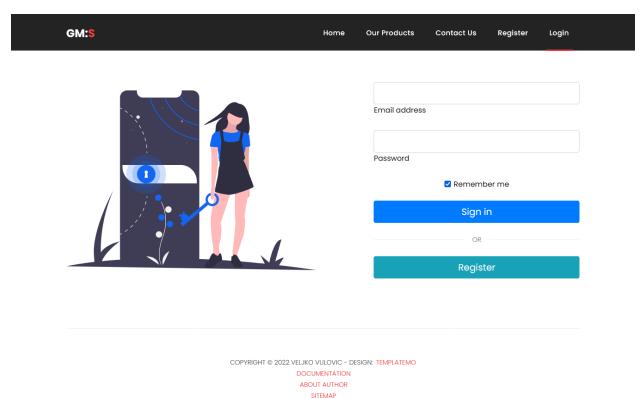
Na register stranici moguće je napraviti nalog kojim se može pristupati sajtu.

GM:S	Home	Our Products	Contact Us	Register	Login		
		First name					
		Email address  Password  Remember me					
			<b>Regist</b> OR	er			
			Logir	1			
COPYRIGHT © 2022 VELJKO \	/ULOVIC - DE	sign: Templatemo					

COPYRIGHT © 2022 VELJKO VULOVIC - DESIGN: TEMPLATEMO DOCUMENTATION ABOUT AUTHOR

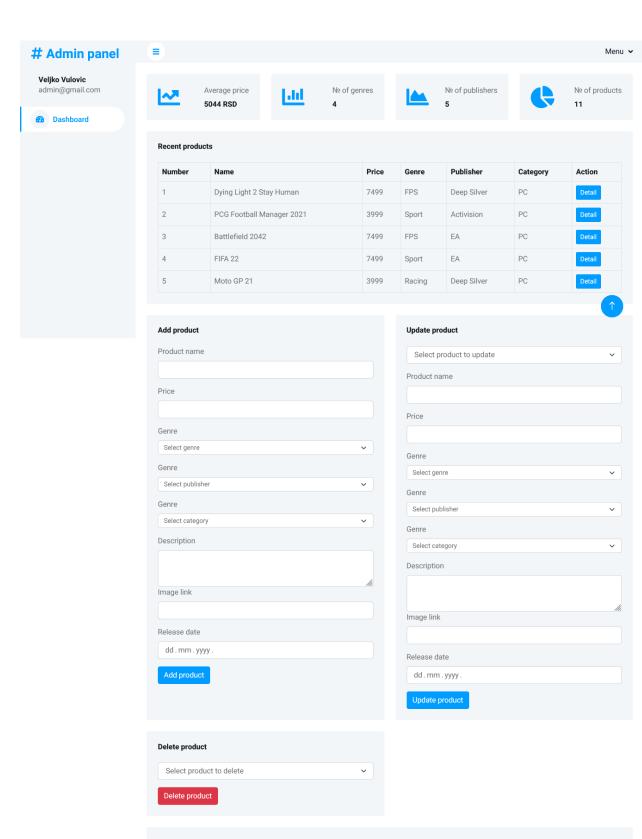
# Login

Login stranica omogućava autentifikaciju korisnika. Nakon uspešnog logovanja korisnik će biti preusmeren na početnu stranicu.



# Admin

Ova stranica je namenjena korisnicima sa administratorskim privilegijama. Na njoj je moguće pregledati najbitnije podatke u bazi podataka kao i listu najnovijih proizvoda. Ispod postoje 3 forme, za upis, za izmenu, i za brisanje podataka.



#### 3. Kodovi

## 3.1 Controllers

#### 3.1.1 Home controller

#### 3.1.2 Product controller

```
compage and the state of the state of
```

```
$products=$products->where('name','like','%'.$request-
        $products = $products->whereHas('genre', function($query) use
        $products = $products->whereHas('publisher', function($query) use
        $products=$products->where('price','>=', $request->priceFrom);
       $products=$products->where('price','<=',$request->priceTo);
        case('priceDesc'):$products = $products->orderBy('price',
       case('nameAsc'):$products = $products->orderBy('name', 'asc');
       case('nameDesc'):$products = $products->orderBy('name', 'desc');
public function show(Product $product) {
```

### 3.1.3 Auth controller

```
<?php
namespace App\Http\Controllers;</pre>
```

```
use App\Models\User;
use Exception;
use Illuminate\Http\Request;
class AuthController extends Controller
   public function register(){
   public function doRegister(Request $request) {
           $user = new User();
           $user->save();
               session()->put('user', $user);
               return redirect()->route('index');
       catch(Exception $ex) {
           return redirect()->route('register')->with('error', 'Error:
.$ex->getMessage().', try again');
   public function doLogin(Request $request) {
           session()->put('user', $user);
           return redirect()->route('index');
           session()->put('admin', $user);
```

```
return redirect() ->route('index');
}
return redirect() ->route('login') ->with('error', 'Something went
wrong, try again');
}

public function logout(){
    session() ->forget(['user', 'admin']);
    return redirect() ->route('login');
}
```

### 3.1.4 Admin controller

```
use App\Http\Requests\ProductStoreRequest;
use App\Http\Requests\ProductUpdateRequest;
use App\Models\Product;
use App\Models\Publisher;
use Illuminate\Http\Request;
       $products=Product::all();
       $genre=Genre::all();
       $publishers=Publisher::all();
>data["latestProducts"]=Product::orderBy('release date','desc')->take(5)-
>get();
       $this->data["avgPrice"]=round($products->average('price'));
```

```
$product->save();
           return redirect()->route('admin')->with('success','Successfully
           return redirect()->route('admin')->with('error', 'Error: '.$ex-
>getMessage().', try again');
   public function update() {
       $product=Product::where('id',$id)->get();
   public function updateStore(ProductUpdateRequest $request) {
        $product->save();
           return redirect()->route('admin')-
       catch (Exception $ex) {
 .$ex->getMessage().', try again');
   public function deleteStore(Reguest $request) {
```

### 3.1.5 Contact controller

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;

class ContactController extends Controller
{
    public function index() {
        return view('pages.contact');
    }
}</pre>
```

#### 3.2 Models

#### 3.2.1 User

```
class User extends Model
{
   use HasFactory;

   public function role() {
      return $this->belongsTo(Role::class);
   }
}

namespace App\Models;

use Illuminate\Database\Eloquent\Model;

class User extends Model
{
   use HasFactory;

   public function role() {
      return $this->belongsTo(Role::class);
   }
}
```

### 3.2.2 Role

## 3.2.3 Product

```
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Product extends Model
{
    use HasFactory;
    public function genre() {
        return $this->belongsTo(Genre::class);
    }

    public function category() {
        return $this->belongsTo(Category::class);
    }

    public function publisher() {
        return $this->belongsTo(Publisher::class);
    }

    public function images() {
        return $this->hasMany(Image::class);
    }
}
```

#### 3.2.4 Genre

```
namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Genre extends Model
{
    use HasFactory;

    public function products() {
        return $this->hasMany(Product::class);
    }
}
```

### 3.2.5 Publisher

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Publisher extends Model
{
    use HasFactory;

    public function products() {
        return $this->hasMany(Product::class);
    }
}
```

## 3.2.6 Category

#### 3.3 Middlewares

#### 3.3.1 IsGuest

## 3.3.2 IsLoggedIn

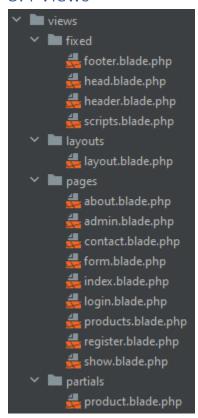
```
return $next($request);
}
return redirect()->route('login');
}
```

### 3.3.3 IsAdmin

```
closure;
use Closure;
use Illuminate\Http\Request;

class IsAdmin
{
    /**
    * Handle an incoming request.
    *
    * @param \Illuminate\Http\Request $request
    * @param \Closure(\Illuminate\Http\Request):
(\Illuminate\Http\Response|\Illuminate\Http\RedirectResponse) $next
    * @return \Illuminate\Http\Response|\Illuminate\Http\RedirectResponse
    */
    public function handle(Request $request, Closure $next)
{
        if (session()->get('admin')) {
            return $next($request);
        }
        return redirect()->route('index');
    }
}
```

#### 3.4 Views



## 3.4.1 footer.blade.php

## 3.4.1 head.blade.php

```
<script src="{{asset('vendor/jquery/jquery.min.js')}}"></script>
    <script
src="{{asset('vendor/bootstrap/js/bootstrap.bundle.min.js')}}"></script>
    <script type="text/javascript"</pre>
    <meta name="viewport" content="width=device-width, initial-scale=1,</pre>
shrink-to-fit=no">
    <meta name="author" content="Veljko Vulovic">
href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,500,600
</head>
```

## 3.4.3 header.blade.php

```
active @endif" href="{{route('index')}}">Home</a>
Products</a>
                     <form action="{{route('logout')}}" method="POST">
                     </form>
                  href="{{route('register')}}">Register</a>
                  </div>
```

# 3.4.4 scripts.blade.php

```
<!-- Additional Scripts -->
<script src="{{asset('assets/js/custom.js')}}"></script>
<script src="{{asset('assets/js/owl.js')}}"></script>
<script src="{{asset('assets/js/slick.js')}}"></script>
<script src="{{asset('assets/js/slick.js')}}"></script>
```

## 3.4.5 layout.blade.php

## 3.4.6 about.blade.php

```
@extends('layouts.layout')
            </div>
          </div>
        </div>
      </div>
    </div>
          <div class="col-md-12">
          </div>
          </div>
Academy of Technical and Art Applied Studies Belgrade. Number of index:
            </div>
          </div>
        </div>
      </div>
    </div>
```

## 3.4.7 admin.blade.php

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

```
<meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="" name="description">
icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
    <link href="{{asset('assets/lib/tempusdominus/css/tempusdominus-</pre>
</head>
            </div>
        </div>
                    <h3 class="text-primary"><i class="fa fa-hashtag me-</pre>
2"></i>Admin panel</h3>
                </a>
```

```
<div class="d-flex align-items-center ms-4 mb-4">
                         <span>{{session()->get('admin')->email}}
                    </div>
                </div>
active"><i class="fa fa-tachometer-alt me-2"></i>Dashboard</a>
                </div>
        </div>
                <a href="index.html" class="navbar-brand d-flex d-lq-none me-
hashtag"></i></h2>
                <a href="#" class="sidebar-toggler flex-shrink-0">
                             <span class="d-none d-lg-inline-flex">Menu</span>
                         </a>
border-0 rounded-0 rounded-bottom m-0">
href="{{route('index')}}}">Home</a>
                             <a class="dropdown-item"</pre>
href="{{route('products')}}">Our Products</a>
href="{{route('about')}}">About Us</a>
                             <a class="dropdown-item"</pre>
                         </div>
                    </div>
                </div>
                         <div class="bg-light rounded d-flex align-items-</pre>
```

```
Average price
                             <h6 class="mb-0">{{$avgPrice}} RSD</h6>
                         </div>
                  </div>
primary"></i>
                         </div>
                      </div>
                  </div>
                         </div>
                      </div>
                         </div>
                      </div>
           </div>
                  </div>
```

```
Name
                          Publisher
                       </thead>
                          <a class="btn btn-sm btn-primary"
href="{{ route('product', ["product" => $product->id]) }}">Detail</a>
                    </div>
           </div>
        </div>
                       </div>
label">Product name</label>
```

```
</div>
label">Price</label>
                                 </div>
label">Genre</label>
                                      <option value="{{$genre->id}}}">{{$genre-
>name}}</option>
                                 </select>
label">Genre</label>
publisher</option>
                                          <option value="{{$publisher-</pre>
>id}}">{{$publisher->name}}</option>
                                  </select>
label">Genre</label>
                                      <option selected>Select category</option>
                                          <option value="{{$cat->id}}">{{$cat-
                                 </select>
id="description" name="description"></textarea>
                                     <input type="date" class="form-control"</pre>
                                 </div>
primary">Add product</button>
```

```
</div>
                  </div>
                         </div>
                             </div>
method="POST">
                                 <option selected value="0">Select product
to update</option>
                             </select>
label">Product name</label>
                             </div>
                                 <label for="price" class="form-</pre>
label">Price</label>
label">Genre</label>
                                    <option value="{{$genre-</pre>
>id}}">{{$genre->name}}</option>
                             </select>
```

```
publisher</option>
                                            <option value="{{$publisher-</pre>
>id}}">{{$publisher->name}}</option>
                                   </select>
label">Genre</label>
                                       <option selected>Select category</option>
                                            <option value="{{$cat->id}}">{{$cat-
>name } } </option>
                                   </select>
                                   <textarea class="form-control"</pre>
                                   </div>
label">Release date</label>
                                       <input type="date" class="form-control"</pre>
                                   <button type="submit" class="btn btn-</pre>
                              </form>
                          </div>
                      </div>
                                   </div>
                                   </div>
```

```
<form action="{{route('deleteStore')}}}"</pre>
                                     <option selected value="0">Select product
to delete</option>
>id}}">{{$product->name}}</option>
                                 </select>
                         </div>
                     </div>
                </div>
            </div>
                         </div>
                             Designed By <a href="https://htmlcodex.com">HTML
Codex</a>
                         </br>
href="https://themewagon.com" target=" blank">ThemeWagon</a>
                     </div>
                </div>
            </div>
        </div>
top"><i class="bi bi-arrow-up"></i></a>
    </div>
```

## 3.4.7 contact.blade.php

```
</div>
          </div>
              <iframe
frameborder="0" style="border:0" allowfullscreen></iframe>
voluptate nihil eumester consectetur similiqu consectetur. <br/>br>Lorem ipsum
dolor sit amet, consectetur adipisic elit. Et, consequuntur, modi mollitia
               <a href="#"><i class="fa fa-linkedin"></i></a>
               <a href="#"><i class="fa fa-behance"></i></a>
            </div>
          </div>
        </div>
      </div>
    </div>
    <div class="send-message">
              <h2>Send us a Message</h2>
            </div>
          </div>
                    <fieldset>
                      <input name="name" type="text" class="form-control"</pre>
id="name" placeholder="Full Name" required="">
                  </div>
                  <div class="col-lq-12 col-md-12 col-sm-12">
                    <fieldset>
```

```
id="email" placeholder="E-Mail Address" required="">
                    <fieldset>
                    </fieldset>
                  </div>
                    <fieldset>
id="message" placeholder="Your Message" required=""></textarea>
                    </fieldset>
                    <fieldset>
                    </fieldset>
                  </div>
                </div>
                  <a>Accordion Title One</a>
Et, consequuntur, modi mollitia corporis ipsa voluptate corrupti elite.
                  </div>
              <1i>>
                  <a>Second Title Here</a>
                      Lorem ipsum dolor sit amet, consectetur adipisic
elit. Sed voluptate nihil eumester consectetur similiqu
                  </div>
                  <a>Accordion Title Three</a>
                  <a>Fourth Accordion Title</a>
```

```
elit. Sed voluptate nihil eumester consectetur similiqu
Et, consequuntur, modi mollitia corporis ipsa voluptate corrupti elite.
                  </div>
            </div>
      </div>
    </div>
            </div>
          </div>
          <div class="col-md-12">
               <img src="assets/images/client-01.png" alt="2">
              </div>
              </div>
              </div>
              </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
```

#### 3.4.8 index.blade.php

```
@extends('layouts.layout')
@section('description') Sajt @endsection
url({{asset('assets/images/battlefieldbanner.png')}})">
                    <h4>Best Offer</h4>
                    <h2>New Arrivals On Sale</h2>
                </div>
            </div>
                    <h4>Flash Deals</h4>
                    <h2>Get your best products</h2>
                </div>
            </div>
                    <h4>Last Minute</h4>
                    <h2>Grab last minute deals</h2>
    </div>
                        <h2>Latest Products</h2>
class="fa fa-angle-right"></i></a>
                    </div>
                </div>
                    </div>
                </div>
            </div>
        </div>
```

```
</div>
                       <h2>About GM:S</h2>
                   </div>
               </div>
                      <h4>Looking for the best products?</h4>
                       We are young perspective shop, leaded by team of
entusiasists which main goal is to provide access to games for more
                           Return policy
                       button">View products</a>
                   </div>
               </div>
                   </div>
               </div>
           </div>
       </div>
```

# 3.4.9 login.blade.php

```
@extends('layouts.layout')
@section('description') Sajt @endsection
@section('title') Home @endsection
@section('content')
<style>
```

```
.divider:after,
                </div>
                <div class="col-md-7 col-lg-5 col-xl-5 offset-xl-1">
                     <form action="{{route('doLogin')}}" method="POST">
                             <input type="email" id="tbEmail" name="email"</pre>
                             <label class="form-label" for="tbEmail">Email
                         </div>
                             <input type="password" id="tbPassword"</pre>
                         </div>
type="checkbox" value="" id="cbRemember" checked />
                             </div>
                         </div>
                         <button type="submit" class="btn btn-primary btn-lg</pre>
```

## 3.4.10 products.blade.php

```
@section('description') Sajt @endsection
              <h4>Brand new games</h4>
           </div>
         </div>
       </div>
   </div>
                          <option value="">Default</option>
                          <option value="priceAsc" @if(request()->sort &&
request()->sort == 'priceDesc') selected @endif>Price: High to Low</option>
```

```
<option value="nameDesc" @if(request()->sort &&
request()->sort == 'nameDesc') selected @endif>Name: Z to A</option>
                       </select>
                       </div>
                            </div>
                       <h4>Price from</h4>
                       <input type="range" name="priceFrom" step="100"</pre>
                       <output>{{request()->priceFrom ?? 0}}</output>
                       <input type="range" name="priceTo" step="100"</pre>
                           <h4>Search</h4>
                            <input type="text" class="form-control mb-3"</pre>
                       </div>
                   </form>
               </div>
                              </div>
                       </div>
```

## 3.4.11 register.blade.php

```
@extends('layouts.layout')
        .divider:after,
             flex: 1;
             <div class="row d-flex align-items-center justify-content-center</pre>
                 </div>
                              <input type="text" id="tbFirstName"</pre>
name</label>
                          </div>
```

```
name</label>
                         </div>
                              <label class="form-label" for="tbEmail">Email
                         </div>
                              <input type="password" id="tbPassword"</pre>
                         </div>
                             </div>
                         <div class="d-flex justify-content-around align-</pre>
                                  <input class="form-check-input"</pre>
type="checkbox" value="" id="cbRemember" checked />
                              </div>
                         </div>
btn-block">Register</button>
                     </form>
muted">OR
                     </div>
                 </div>
            </div>
        </div>
    </section>
```

#### 3.4.12 show.blade.php

```
@extends('layouts.layout')
@section('description') Sajt @endsection
                    </div>
                </div>
            </div>
        </div>
   </div>
                <div class="col-md-12">
                        <div class="row grid">
                                     </div>
                                 </div>
                                 <h6>Genre: {{$product->genre->name}}</h6>
                                 <h6>Price: {{$product->price}} RSD</h6>
>name } < /h6>
                                 <h4>Description:</h4>
                             </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
```

```
</div>
@endsection
```

### 3.4.13 product.blade.php

#### 3.5 Routes

### 3.5.1 web.php

```
Route::get('/login', [AuthController::class,'login']) ->name('login');
>name('doLogin');
Route::middleware('isLoggedIn')->group(function() {
>name('products');
    Route::get('/contact', [ContactController::class,'index'])-
    Route::get('/contact', [ContactController::class, 'index']) -
Route::middleware('isAdmin')->group(function() {
    Route::post('/admin', [AdminController::class, 'store']) -> name('store');
    Route::post('/adminUpdate', [AdminController::class, 'updateStore'])-
>name('updateStore');
    Route::post('/adminDelete', [AdminController::class, 'deleteStore'])-
```

# 3.7 JavaScript

# 3.7.1 custom.js

```
jQuery( document ).ready(function( $ ) {
    "use strict";

    $(function() {
        $("#tabs").tabs();
    });

// Page loading animation
```

```
$("#preloader").css("visibility", "hidden").fadeOut();
var box = $('.header-text').height();
  $("header").removeClass("background-header");
  $('.owl-clients').owlCarousel({
  $('.owl-testimonials').owlCarousel({
```

```
$(this).addClass('active');
            filter: data
            if ($(this).hasClass('active')) {
                $(this).removeClass('active');
$(this).closest('.accordion').find('a.active').removeClass('active');
            j.preventDefault();
```

#### 3.7.2 main.js

```
var spinner = function () {
    setTimeout(function () {
            $('#spinner').removeClass('show');
spinner();
    $('.sidebar, .content').toggleClass("open");
$('.pg-bar').waypoint(function () {
```

```
console.log(xhr);
```