

## SVEUČILIŠTE U SPLITU SVEUČILIŠNI ODJEL ZA STRUČNE STUDIJE

Preddiplomski stručni studij Računarstvo

## ZAVRŠNI RAD

### IZRADA PLATFORME ZA TIMSKI RAD

**Predmet:** Odabrani alati i naredbe u Linuxu

Kandidat: Anamarija Papić

Mentor: Nikola Grgić, viši predavač

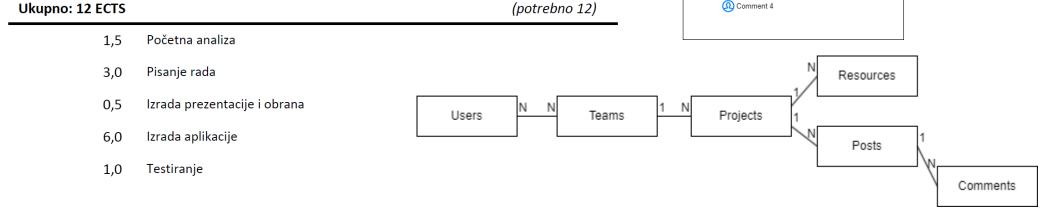
## Sadržaj

- 1. Uvod
- 2. Korištene tehnologije
- 3. Opis implementacije praktičnog dijela rada
- 4. Prezentacija praktičnog dijela rada

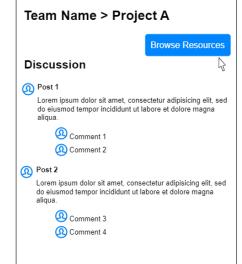
## 1. Uvod

Zadatak: Izraditi web aplikaciju koja će služiti kao platforma za timski rad na različitim projektima. Korisnici se uključuju u timove u kojima imaju pristup projektima. Unutar svakog projekta članovi mogu raspravljati i pohranjivati resurse relevantne za taj projekt. Projekt i njegovi resursi vidljivi su samo članovima tima kojima pripada. Funkcionalnosti aplikacije: administrativno sučelje, registracija i autentikacija korisnika, ažuriranje korisničkih profila uz odgovarajuće ovlasti. Stvaranje tima, organizacija korisnika tima, uređivanje informacija o timu. Kreiranje projekata, dodavanje i brisanje resursa vezanih za projekt. Ugrađena mogućnost diskusije (vezana za projekt): postavljanje objave i komentiranje (jedna razina komentara). Uređivanje i brisanje objava i komentara.

Aplikaciju napraviti koristeći razvojni okvir Laravel.









## 2. Korištene tehnologije





## Laravel











Take the pain out of managing subscriptions on Stripe or Paddle.



Automated browser testing to ship your application with confidence.



### Echo

Listen for WebSocket events broadcast by your Laravel application.



Server management doesn't have to be a nightmare.



Horizon Beautiful UI for monitoring your Redis driven Laravel queues.

Supercharge your application's

performance by keeping it in



### Detstream

obust starter kit including uthentication and team



Nova Thoughtfully designed administration panel for your Laravel applications



inionated PHP code style fixer



Hand-crafted Laravel local development experience using



Octane

API and mobile application authentication without wanting to pull your hair out.



Lightning fast full-text search for your application's Eloquent



bug your application using our lebugging and insight UI.



Valet

Social authentication via Facebook, Twitter, GitHub. LinkedIn, and more.



The fastest Laravel local development experience exclusively for macOS.















\* Testiranje i kvaliteta kôda

### Spark Launch your next business with

our fully-featured, drop-in billing



Laravel Vapor is a serverless deployment platform for Laravel, powered by AWS.

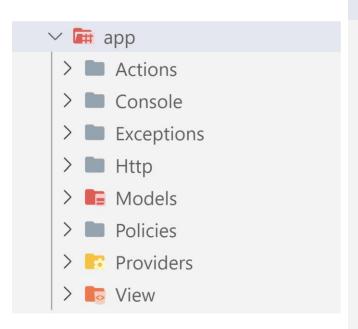


• Početni komplet

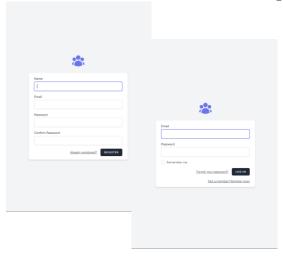


Livewire + Blade

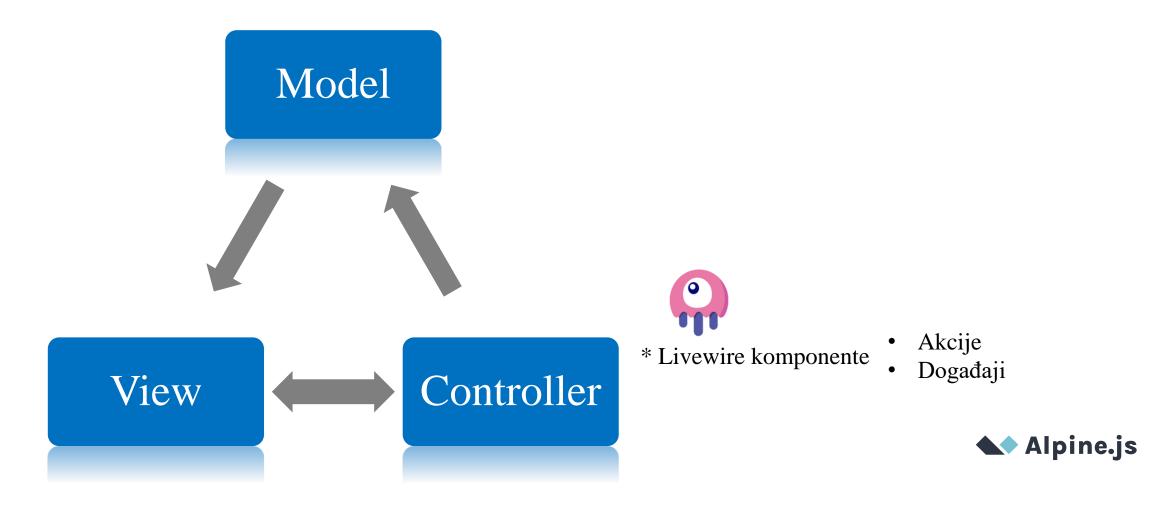
- \* Autentikacija
- Konfiguracija pomoću
   environment varijabli
   (.envi.example)



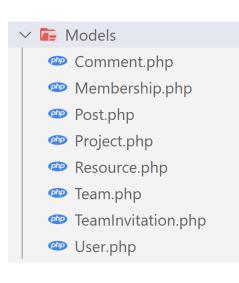
• Struktura Laravel aplikacije (root i app direktorij)



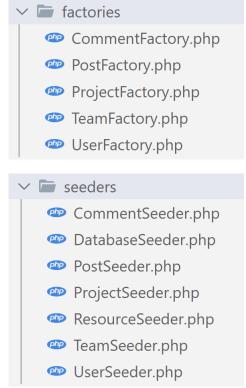
✓ i src / teamstructor-app > 📠 app > **bootstrap** > s config > le database > node modules > m public > resources > R routes > **storage** > Tests > P vendor ♠ .editorconfig ttl .env tt .env.example • .gitattributes • .gitignore **l** artisan ← composer.json ← composer.lock package-lock.json package.json phpunit.xml phpunit.xml.bak postcss.config.js README.md tailwind.config.js vite.config.js

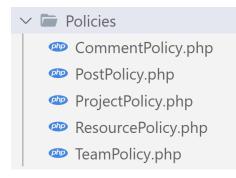


• Interakcija s bazom podataka



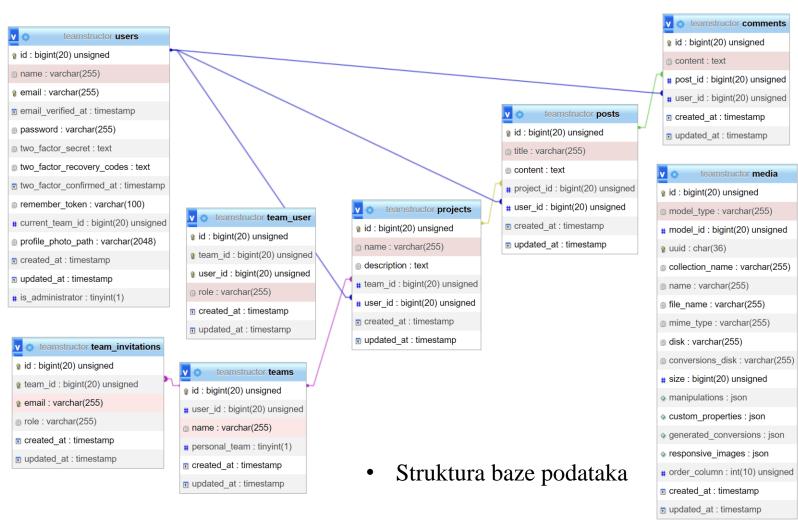






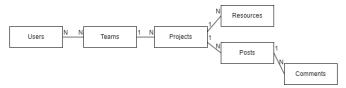
\* Autorizacija

### • Eloquent ORM



Naziv klase modela	Naziv odgovarajuće tablice
Comment	comments
Membership	team_user
Post	posts
Project	projects
Resource	media
Team	teams
TeamInvitation	team_invitations
User	users

### Relacije



- HasMany (1:N) / BelongsTo (N:1)
- BelongsToMany(N:M)
- MorphMany (1:N) / MorphTo (N:1) polimorfna veza

- Routing
- Middleware
- Autorizacija
  - Vrata
  - Politike

```
Route::group([
    'prefix' => 'admin',
    'middleware' => ['auth:sanctum', 'can:admin-privileges'],
], function () {
    Route::get('/', function () {
        return view('admin-dashboard');
    })->name('admin.dashboard');

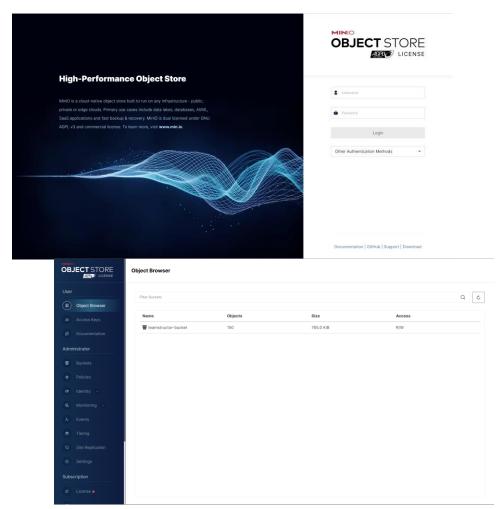
    Route::get('/users', ShowUsers::class)
        ->name('admin.dashboard.users');

    Route::get('/teams', ShowTeams::class)
        ->name('admin.dashboard.teams');

    Route::get('/projects', AdminShowProjects::class)
        ->name('admin.dashboard.projects');
});
```

```
403 | YOU MUST BE AN ADMINISTRATOR.
```

\* Implementacija admin korisnika

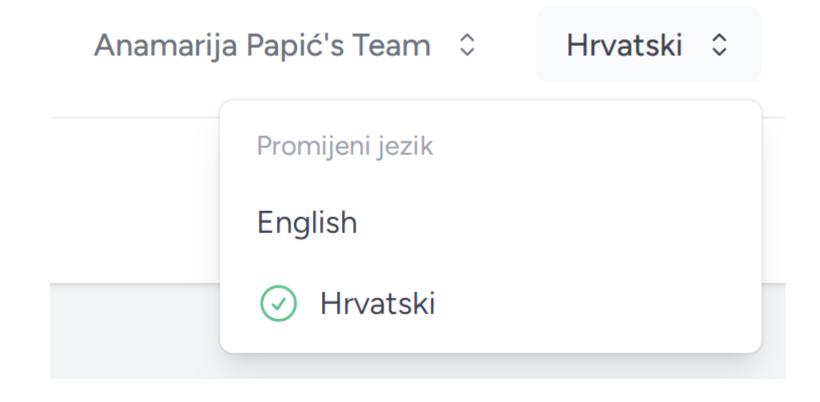


- Amazon Web Services (AWS) S3 kompatibilan servis za pohranu – MinIO
- Spatie Laravel Media Library



<sup>\*</sup> Implementacija projektnih resursa

• Lokalizacija







## Hvala na pozornosti!

Pitanja?

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Naslov rada: Izrada platforme za timski rad

Mentor: Nikola Grgić, viši predavač

Split, lipanj 2023.