



# #Träwelling Präsentation 2021

# #Agenda

— — —

- Das DHBW-Träwelling Team
- Projekt Management
- Use-Cases & RUP Workflow
- Demo
- Architektur
- Testing





# Das DHBW-Träwelling Team

# #Das DHBW-Träwelling Team



---

## → besteht aus:

- ◆ Levin Baumann      Project Manager, Implementer, Test Designer, Tester
- ◆ Thomas Englert      Implementer, Test Designer, Tester
- ◆ Marius Holwein      Implementer, Test Designer, Tester

## → haben Erfahrung mit:

- ◆ PHP mit Framework Laravel
- ◆ modernem Webdesign
- ◆ Github und automatisierten Test-Pipelines
- ◆ dem Träwelling Projekt

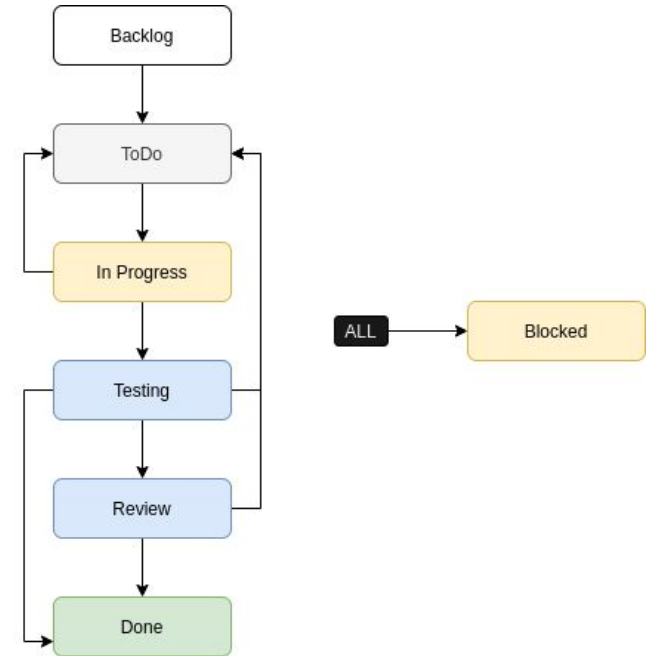


# Projekt Management

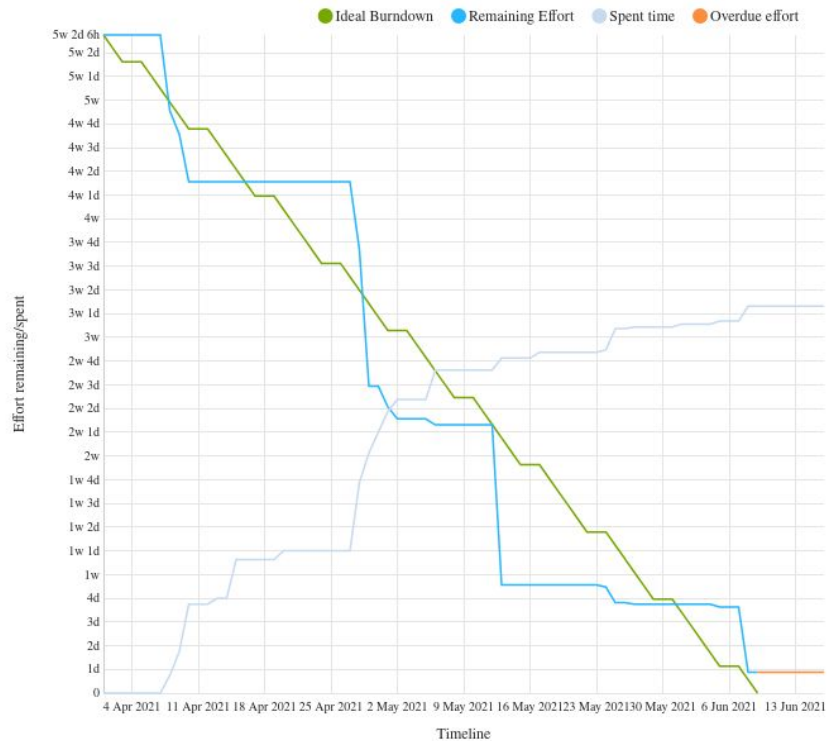
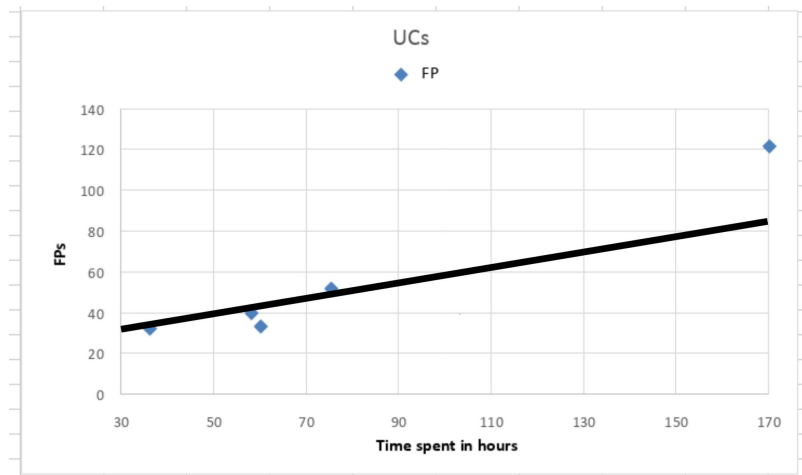
# #Scrum

— — —

- Arbeiten in zwei Wochen Sprints
- Einteilung der Tickets nach Kanban
- Youtrack als Trackingplattform



# #Burndown



# #Risk Management



Risk Description	Risk Probability of Occurrence	Risk Impact	Risk Factor	Risk Mitigation
Someone drops out of the project because of sickness, exmatriculation, etc.	1	3	3	more work hours for remaining members, dropping/postponing UCs
The hosting provider/server has a critical failure and suddenly goes offline/Data loss	1	10	10	External Backup, Backup restore
There's a change of laws regarding the privacy of an individual	1	8	8	comply with new laws
There's a critical failure regarding security/data leakage/etc.	2	6	12	Fix security breaches
There are (critical) vulnerabilities in used frameworks/tools	2	7	14	Wait for update/workaround and apply
The data source for the trains will become unavailable since it's an undocumented unofficial API	2	10	20	Change data sources to alternatives (use multiple sources parallel)
Significant changes in the Login/Post-API of Twitter/Mastodon	1	6	6	Update concerning packages/endpoints
A denial of service attack	1	10	10	DDoS protection of hoster





# Use-Cases & RUP Workflow

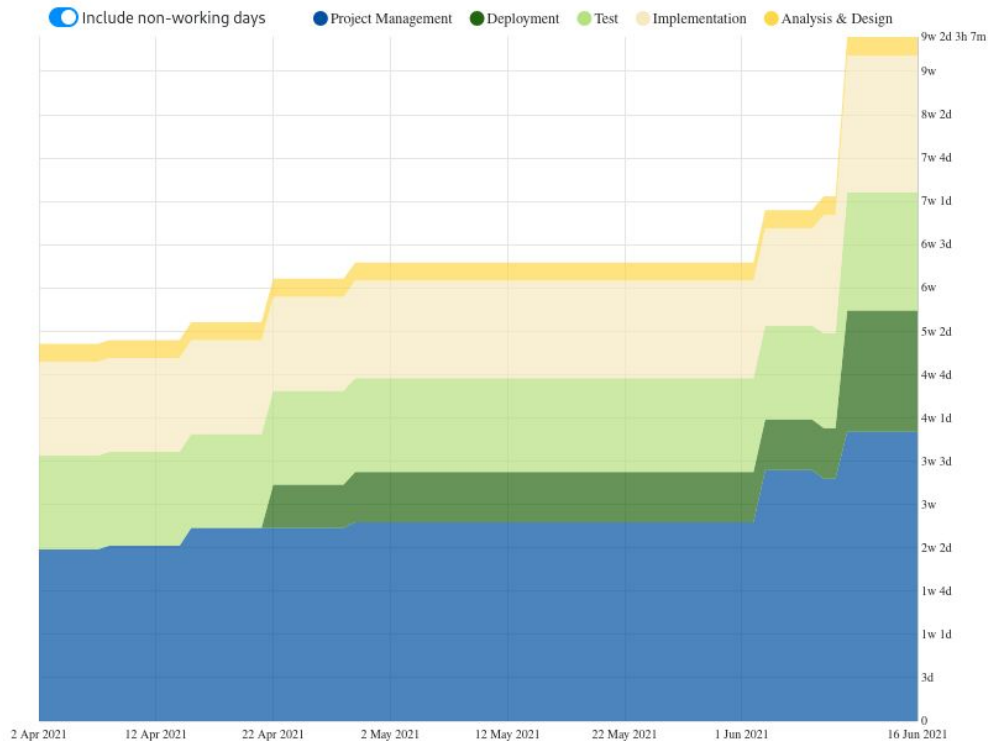
# #Use-Cases

---

- Business Checkin
- Search User
- Visibility
- Change profile to private
- Request Follow
- Mute User



# #RUP Workflow



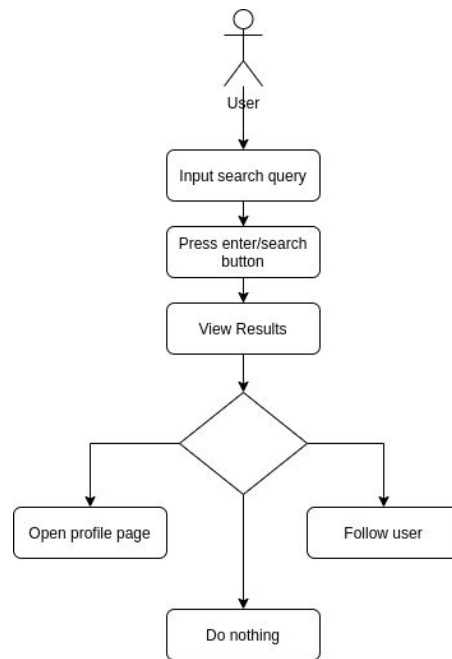


# UseCases & Demo

# #SearchUser





- Möglichkeit, Nutzer direkt zu suchen
  - ◆ Kein “link-Austausch” über andere Plattformen mehr notwendig
- Direktes Folgen auf der Übersicht




# #SearchUser






Träwelling Dashboard Top-Träweller Unterwegs Statistiken


Suchen   2 Levin






Levin @HerrLevin\_


 54339km  677h 12min  0Pkt


EINSTELLUNGEN



levin @justlevin

 4612km  122h 8min  0Pkt

FOLGEN 



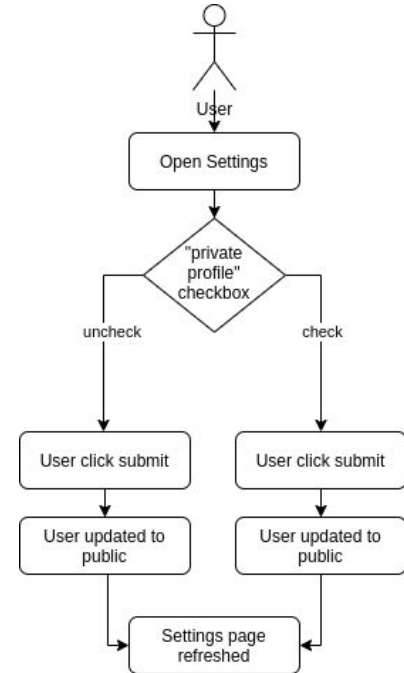
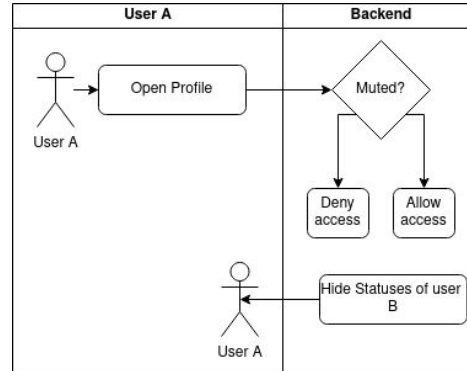
levin @nachtsverloren

<https://traewelling.de/search?searchQuery=Levin>

# #Change Profile To Private



- Profil auf “privat” stellen
- Fahrten nur für sich selbst sichtbar
- Andere Nutzer\*innen bekommen Fehlermeldung auf Profil






# #Change Profile To Private



[Träwelling](#) [Top-Träweller](#) [Unterwegs](#) [Anmelden](#) [Registrieren](#)

Levin 

@HerrLevin\_

 54.339,00km  677h 12min  0Pkt  



Dieses Profil ist privat.

Nur bestätigte Follower können die Check-ins von @HerrLevin\_ sehen. Um Zugriff anzufragen, klicke auf Folgen.

[Über Träwelling](#) / [Globales Dashboard](#) / [Veranstaltungen](#) / [Datenschutz](#) / [Impressum](#) / [Blog](#)  
Entwickelt mit ❤️ in der Europäischen Union. Quellcode lizenziert unter AGPLv3.  
© 2021 Träwelling  
commit: 5ba878903ae3acda5092d8e64bd0ec8dcc05623f

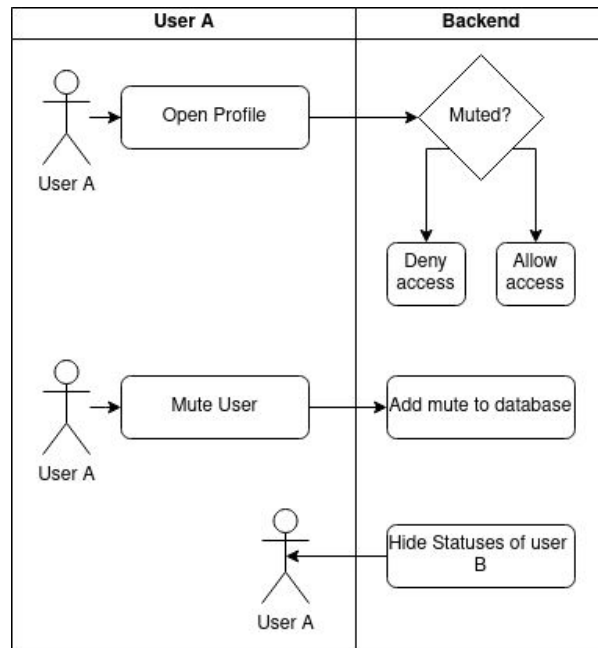
[SPRACHE ÄNDERN](#)



# #MuteUser



- Möglichkeit, andere Nutzer\*innen für sich stumm zu schalten
- “Ausmisten” der globalen Timeline



# #MuteUser



[Träwelling](#) [Dashboard](#) [Leaderboard](#) [En Route](#) [Statistics](#)  [Levin](#)

You have muted the user Gertrud123. ✕

Gertrud

@Gertrud123 [FOLLOW](#) [👁](#)

[📍](#) 0.00km [🕒](#) 0min [🎲](#) 0pts

User muted

You can't see the check-ins from Gertrud123 because you have muted this user.

[👁 UNMUTE USER](#)

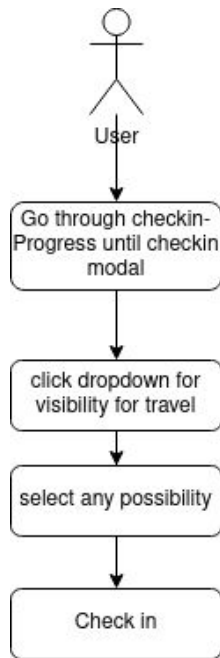
[About](#) / [Global Dashboard](#) / [Events](#) / [Privacy](#) / [Imprint](#) / [Blog](#) [🌐 CHANGE LANGUAGE](#)

Developed with in the European Union. Source code licensed under AGPL v3

# #Visibility

---

- Sichtbarkeit einzelner Status setzen
- Möglichkeit auf “öffentlich”, “ungelistet”, “nur Follower” und “privat”



# #Visibility




Träwelling Dashboard Leaderboard En Route Statistics

Search


Levin  
@HerrLevin\_ [SETTINGS](#)

📍 54,339.00km 🕒 677h 12min 🎮 0pts 🐦 📧



Last journeys of Levin:

Sunday, 30. May 2021



Karlsruhe Durlacher Tor / KIT-Campus Süd 09:51 am  
S 4 🚶 3km 🕒 12min  
Karlsruhe Albtalbahnhof 10:03 am

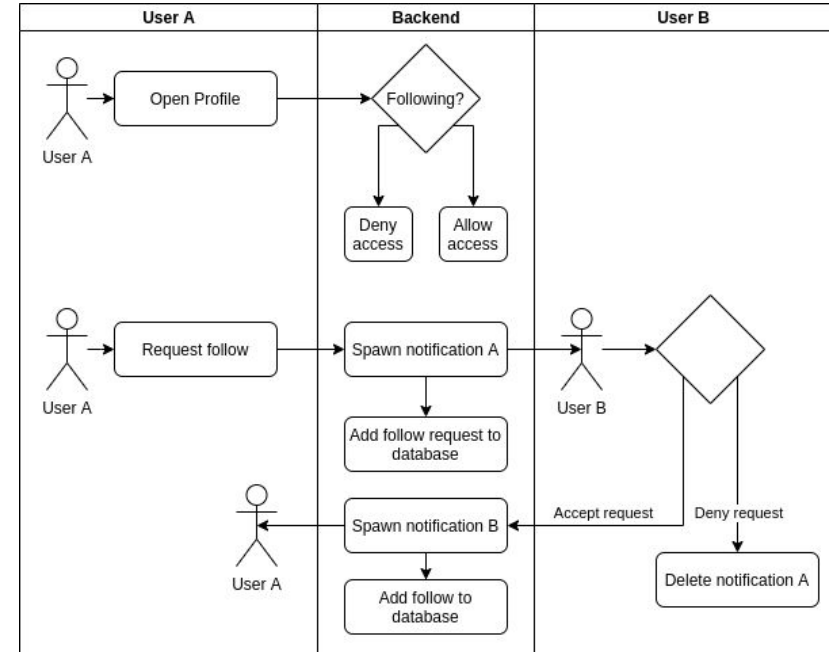
☆ 1 | 📄 🗑️

🌐 You on 09:45 am

# #Request Follow



- Funktionsverbesserung von privaten Profilen
- Erweiterung von privaten Profilen auf “Follower können Status sehen”



# #Request Follow



[Träwelling](#) [Dashboard](#) [Leaderboard](#) [En Route](#) [Statistics](#)  [Levin](#)

Kris

@MrKrisKrisu [PENDING](#) [Request](#)

5,028.00km 99h 40min 52pts

This profile is private.

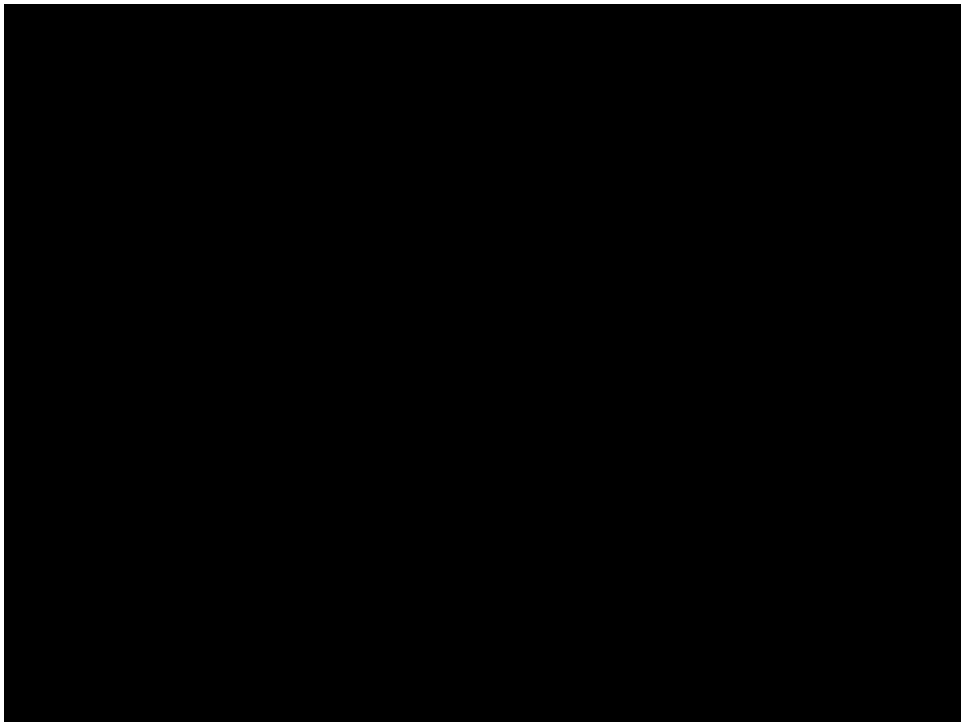
Only approved followers can see the check-ins of @MrKrisKrisu.  
To request access, click "Request".

[About](#) / [Global Dashboard](#) / [Events](#) / [Privacy](#) / [Imprint](#) / [Blog](#)  
Developed with ❤️ in the European Union. [Source code](#) licensed under AGPLv3.  
© 2021 Träwelling  
commit: 5ba878903ae3acda5092d8e64bd0ec8dcc05623f

[CHANGE LANGUAGE](#)

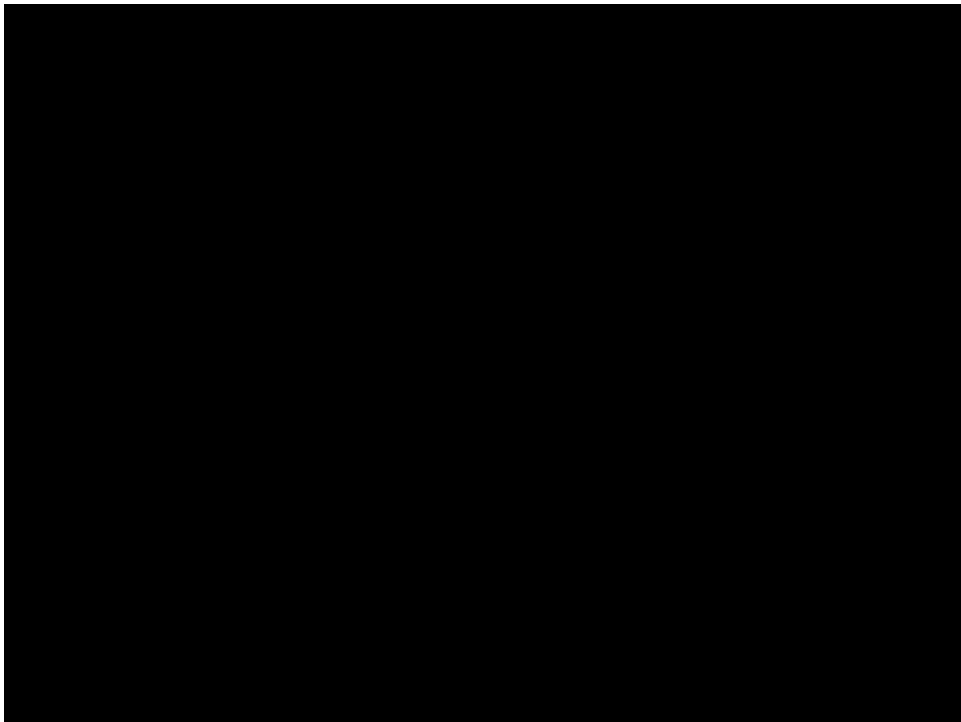
# #Request Follow

— — —



# #Request Follow

— — —







# Architektur

# #Git, Pipelines und Metriken



develop

Commits on Nov 11, 2020

## User Search Feature (#153)

HerrLevin and tomizius committed 23 days ago ✓

## Improved Like creation, Added Unique Key to Database (#145)

MrKrisKrisu committed 23 days ago ✓

Merged **Vue.js checkin #422**  
MrKrisKrisu merged 55 commits into develop from dev-lb-vue 2 days ago

Codacy + Formatting ✖ ar33res

MrKrisKrisu requested changes 4 days ago [View changes](#)

app\Exceptions\MissingParametersExection.php Outdated [Show resolved](#)

app\Exceptions\MissingParametersExection.php Outdated [Show resolved](#)

app\Exceptions\MissingParametersExection.php Outdated [Hide resolved](#)

```
10 + $message = "Missing Parameter: " . $parameterName;  
11 + parent::__construct($message);
```

Comment on lines 10 to 11

MrKrisKrisu 4 days ago Member

Inline \$message?

Reply...

Unresolve conversation HerrLevin marked this conversation as resolved.

v1.8.4  
394e263  
Verified

Compare

MrKrisKrisu released this 8 days ago · [26 commits](#) to develop since this release

### Implemented Enhancements

- Added notice to leaderboard (#371)
- Added "Sorry-Alert" (#368)
- Improved SEO (#364)
- SEO (#361)
- :artmag: Improved blog structure (+little bit SEO) (#362)

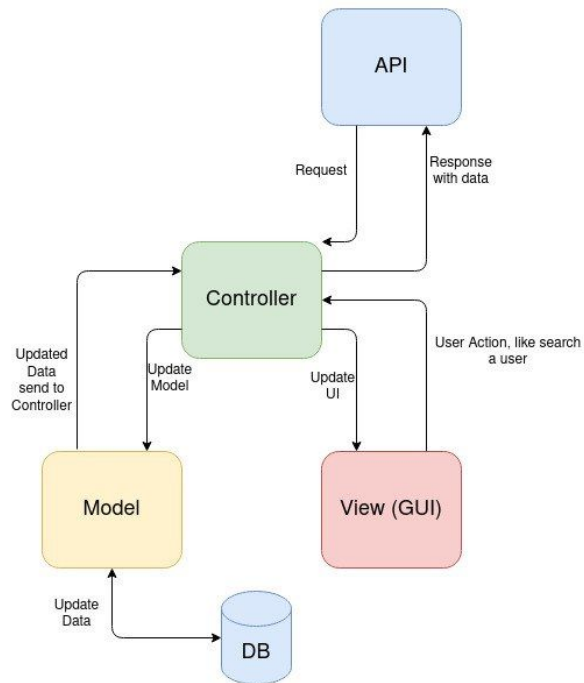
### Fixed Bugs

- Fixed Leaderboard data and performance (#383)
- fixed CSRF and SameSite-Cookies (#386)
- :white\_check\_markroll\_eyes: Skip broken tests (#384)
- Fix (#375)
- Fixed another bug (#376)
- Hide "Stats" menu if not logged in (#369)
- Fixed leaderboards duration and speed calculation (#367)
- I'm stupid (#365)

npm prod passing npm dev passing Laravel passing gitmoji code quality A coverage 52% translated 78%  
 license AGPL-3.0

# #Design Patterns

— — —





# Testing

# #Unit-Tests



```
/**
 * Test the user search
 * @test
 */
public function get_user_search() {
    //Test that user has been found
    $response = $this->withHeaders(['Authorization' => 'Bearer ' . $this->token,
                                   'Accept' => 'application/json'])
        ->get(route('api.v0.user.search', 'gertru'));

    $response->assertOk();
    $this->assertFalse(empty(json_decode($response->getContent(), true)));
    $response->assertJsonStructure(['current_page',
                                   'data' => [
                                       "id",
                                       "name",
                                       "username",
                                       "train_distance",
                                       "train_duration",
                                       "points",
                                       "averageSpeed"
                                   ]],
                                   'first_page_url',
                                   'from',
                                   'next_page_url',
                                   'path',
                                   'per_page',
                                   'prev_page_url',
                                   'to']);

    //Test that an unknown user returns 200 and an empty json object
    $response = $this->withHeaders(['Authorization' => 'Bearer ' . $this->token,
                                   'Accept' => 'application/json'])
        ->get(route('api.v0.user.search',
                    'sdfklghbqeörgjaösrjgäIERGKJAEFÖRGJSDÖFJHBÜÄAJRÄÜG'));

    $response->assertOk();
    $this->assertFalse(empty(json_decode($response->getContent(), true)));
    $response->assertJsonStructure(['current_page',
                                   'data' => [],
                                   'first_page_url',
                                   'from',
                                   'next_page_url',
                                   'path',
                                   'per_page',
                                   'prev_page_url',
                                   'to']);
}
```

# #Unit-Tests / GitHub



Changes

dev-ks-todo4 7bc15c3

> Resources build with 'prod'

on: pull\_request

> Resources build with 'dev'

on: pull\_request

> PHPUnit

on: pull\_request

> PHPUnit

on: push

> laravel-tests (8, prefer-stable)

> Resources build with 'prod'

on: push

> Resources build with 'dev'

on: push

> Codacy Production

laravel-tests (8, prefer-stable)

failed yesterday in 1m 49s

Search logs

Execute tests (Unit and Feature tests) via Laravel internal test management and PHPUnit 59s

1 ▶ Run php artisan test --parallel

10 Warning: TTY mode requires /dev/tty to be read/writable.

11 .....EEE..... 65 / 91 ( 71%)

12 EEE...EEEEEEEEEEEEEEEE 91 / 91 (100%)

13

14 Time: 00:56.241, Memory: 28.00 MB

15

16 There were 34 errors:

17

18 1)

19 Tests\Feature\DistanceCalculationTest::test\_distance\_calculation\_between\_hanover\_hbf\_and\_hanover\_k

20 roepcke

21 /home/runner/work/traewelling/traewelling/vendor/laravel/framework/src/Illuminate/Foundation/Applica

22 tion.php:1113

23 /home/runner/work/traewelling/traewelling/vendor/laravel/framework/src/Illuminate/Foundation/helpe

24 rs.php:44

25 /home/runner/work/traewelling/traewelling/app/Http/Controllers/TransportController.php:417

26 /home/runner/work/traewelling/traewelling/database/seeder/TrainCheckInSeeder.php:33

27 /home/runner/work/traewelling/traewelling/vendor/laravel/framework/src/Illuminate/Container/BoundM

# #Dusk

— — —



## 2.1.3 Narrative

**Feature:** user search

As a signed in user  
i want to search for another user.

**Background:**

And I am on any page

**Scenario:** search user

Given I am signed in with username "USER" and password "PASSWORD"

And I am on any page

When I fill out the "search" form

And I press the "search" button

Then I am on the "search results" page

# #Dusk



The screenshot shows the PhpStorm IDE interface. The main editor displays a PHP file named `searchUserDuskTest.php` with the following code:

```
1 class searchUserDuskTest extends DuskTestCase
2 {
3     // A basic browser test example.
4     //
5     // @return void
6     //
7     public function testBasicExample() {
8         $this->browse(function($browser, $session) {
9             $browser->visit('http://127.0.0.1:8080/login')
10                 ->type('email', 'gertrud@traewelling.de')
11                 ->type('password', '1n3k1sh0t4ss0ur3p4ssw0rd123')
12                 ->press('#login', 'ANM105x')
13                 ->assertPathIs('#', '/dashboard/global')
14                 ->type('searchQuery', 'gertrud')
15                 ->clickAtXPath('//*[@name="/html/body/div[2]/nav/div/div[2]/ul[2]/form/div/div')
16                 ->assertPathIs('#', '/search');
17         });
18     }
19 }
```

The left sidebar shows the project structure with folders like `views`, `routes`, `api.php`, `channels.php`, `console.php`, `web.php`, `storage`, `tests`, `components`, `console`, `pages`, `screenshots`, `searchUserDuskTest`, `feature`, `unit`, `ApiTestCase.php`, `CreatesApplication.php`, `DuskTestCase.php`, and `TestCase.php`.

The bottom panel shows the terminal output:

```
Local (2) Local +
k-chrome ..... php artisan dusk
PHPUnit 9.4.1 by Sebastian Bergmann and contributors.

1 / 1 (100%)

Time: 00:04.925, Memory: 20.00 MB

~/PhostoreProjects/traewelling dev-DHBW-dusk-chrome 11:35:59
```

The status bar at the bottom indicates the workspace is associated with branch 'dev-DHBW-dusk-chrome' and has been restored. The status bar also shows '9.7 LF UTF-8 4 spaces' and 'dev-DHBW-dusk-chrome'.





**Dankeschön**

