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Modelle

Project

```
<?php
namespace MyWeb;
use MyWeb\ProjectTask;
use Illuminate\Database\Eloquent\Model;
class Project extends Model {
    protected $fillable = ['description', 'owner_id', 'title'];
    public function addTask($description) {
        return $this->tasks()->create(compact('description'));
    }
    public function tasks() { return $this->hasMany(ProjectTask::class); }
}
```

Project Task

```
<?php namespace MyWeb;
use MyWeb\Project;
use Illuminate\Database\Eloquent\Model;
class projectTask extends Model {
    protected $fillable = [ 'project_id', 'description', 'completed', ];
    public function complete($completed) { $this->update(compact('completed')); }
    public function project() { return $this->belongsTo(Project::class); }
}
```

Controller

Project Controller

```
<?php
namespace MyWeb\Http\Controllers;
use Auth;
use MyWeb\Project;
use MyWeb\ProjectTask;
use MyWeb\User;
use Illuminate\Http\Request;
class ProjectController extends Controller {
    public function __construct() { $this->middleware('auth'); }
    public function index() {
        if (Auth::user()->admin) {
            $projects = Project::orderBy('title')->get();
        } else {
```

¹ Fügt dem Projekt eine neue Pendenza zu.

² Liefert die Pendenzen eines Projekts.

³ Ändert den Statur einer Pendenza.

⁴ Liefert das Projekt der Pendenza.

```

        $projects = Project::where('owner_id', auth()->id()->get());
    }
    $users = User::get();
    return view('projects.p_index', compact('projects', 'users'));
}
public function create() {
    $projects = Project::all();
    if (Auth::user()->admin) {
        $projects = Project::orderBy('title')->get();
    } else {
        $projects = Project::where('owner_id', auth()->id()->get());
    }
    return view('projects.p_create', compact('projects'));
}
public function store(Request $request) {
    $projects = Project::all();
    foreach($projects as $project){
        if ($project->title == request('projektname')) {
            \Session::flash('flash_message', 'Projektname ' . __('Entry exists'));
            return back();
        }
    }
    $attributes = $this->validateProject();
    Project::create($attributes);
    return redirect('/project');
}
protected function validateProject() {
    request()->validate([
        'projektname' => ['min:3'],
        'beschreibung' => ['min:3']
    ]);
    return [
        'title' => request('projektname'),
        'owner_id' => auth()->id(),
        'description' => request('beschreibung')
    ];
}
public function show(Project $project) {
    return view('projects.p_show', compact('project'));
}
public function edit(project $project) {
    if (Auth::user()->admin) {
        $projects = Project::orderBy('title')->get();
    } else {
        $projects = Project::where('owner_id', auth()->id()->get());
    }
    return view('projects.p_edit', compact('project', 'projects'));
}
public function update(Request $request, Project $project) {
    $attributes = $this->validateProject();
    $project->update($attributes);
    return redirect('/project');
}
public function destroy(Project $project) {
    $tasks = ProjectTask::get();
    foreach ($tasks as $task) {
        if ($task->project_id == $project->id) {
            Task::destroy($task->id);
        }
    }
    $project->delete();
    return redirect('/project');
}
}
}

```

Project Task Controller

```

<?php
namespace MyWeb;
use MyWeb\Project;
use Illuminate\Database\Eloquent\Model;
class ProjectTask extends Model {
    protected $fillable = [ 'project_id', 'description', 'completed', ];
    public function complete($completed) { $this->update(compact('completed')); }
    public function project() { return $this->belongsTo(Project::class); }
}

```

Views

```

<!-- \resources\views\layouts\nav.blade.php -->
<nav class="navbar navbar-expand-md navbar-light bg-white shadow-sm">
  <div class="container">
    <a class="navbar-brand" href="{{ route('home') }}">
      {{ config('app.name', 'FJKarli')}}
    </a>
    <button class="navbar-toggler" type="button" data-toggle="collapse"
      data-target="#navbarSupportedContent"
      aria-controls="navbarSupportedContent" aria-expanded="false"
      aria-label="{{ __('Toggle navigation') }}">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <!-- Left Side Of Navbar -->
      <ul class="navbar-nav mr-auto">
        <li>
          <a class="nav-link" href="{{ route('about.index') }}">Über MyWeb</a>
        </li>
      </ul>
      <!-- Right Side Of Navbar -->
      <ul class="navbar-nav ml-auto">
        @guest
          <li class="nav-item">
            <a class="nav-link" href="{{ route('login') }}">{{ __('Login') }}</a>
          </li>
          @if (Route::has('register'))
            <li class="nav-item">
              <a class="nav-link" href="{{ route('register') }}">
                {{ __('Register') }}
              </a>
            </li>
          @endif
        @else
          <!-- Authentication Links -->
          <li class="nav-item dropdown">
            <a id="navbarDropdown" class="nav-link dropdown-toggle" href="#"
              role="button" data-toggle="dropdown" aria-haspopup="true"
              aria-expanded="false" v-pre>
              {{ Auth::user()->name }} <span class="caret"></span>
            </a>
            <ul class="dropdown-menu">
              @if (Auth::user()->admin)
                <li>
                  <a class="dropdown-item" href="{{ route('person.index') }}">
                    {{ __('People') }}
                  </a>
                </li>
                <li>
                  <a class="dropdown-item" href="{{ route('admin.index') }}">
                    {{ __('User') }}
                  </a>
                </li>
              @endif
                <li>
                  <a class="dropdown-item" href="{{ route('logout') }}"
                    onclick="event.preventDefault();
                    document.getElementById('logout-form').submit();">
                    {{ __('Logout') }}
                  </a>
                  <form id="logout-form" action="{{ route('logout') }}"
                    method="POST" style="display: none;">
                    @csrf
                  </form>
                </li>
              </ul>
            </li>
          <li>
            <a class="nav-link" href="{{ route('project.index') }}">
              {{ __("Projects") }}
            </a>
          </li>
        @endguest
      </ul>
    </div>
  </div>
</nav>

```

```

<!-- \resources\views\projects\p_create.blade.php -->
@extends('layouts.app')
@section('left')
    <div class="card">
        <div class="card-body">
            <form method="POST" action="{{ route('project.store') }}">
                @csrf
                @include('partials.string',
                    ['label' => __('Project title'), 'value' => 'projektname'])
                @include('partials.memo',
                    ['label' => __('Description'), 'value' => 'beschreibung'])
                @include('partials.submit', ['label' => __('Save')])
            </form>
            <a href="{{ route('project.index') }}"><b>{{ __('Back') }}</b></a>
        </div>
        <div class="card-footer">
            @include('partials.hint', [
                'hints' => ['Kein Projekt mit dem gleichen Projektnamen erfassen!'])
            </div>
    </div>
@endsection
@section('side')
    @include('projects.p_side')
@endsection

<!-- \resources\views\projects\p_edit.blade.php -->
@extends('layouts.app')
@section('left')
    <div class="card">
        <div class="card-body">
            @include('layouts.session_message')
            <form method="POST" action="{{ route('project.update', $project->id) }}">
                @csrf
                @method('PATCH')
                @include('partials.string', ['label' => __('Project title'),
                    'value' => 'projektname', 'old' => $project->title])
                @include('partials.memo', ['label' => __('Description'),
                    'value' => 'beschreibung', 'old' => $project->description])
                @include('partials.submit', ['label' => __('Save')])
            </form>
            <a href="{{ route('project.index') }}"><b>{{ __('Back') }}</b></a>
        </div>
        <div class="card-footer">
            @include('partials.hint', [
                'hints' => ['Projektnamen müssen eindeutig sein!'])
            </div>
    </div>
@endsection
@section('side')
    @include('projects.p_side')
@endsection

<!-- \resources\views\projects\p_index.blade.php -->
@extends('layouts.app')
@section('content')
    <div class="card">
        <div class="card-header text-center"><b>{{ __('Projects') }}</b></div>
        <div class="card-body">
            @forelse($projects as $project)
                @if (Auth::user()->admin)
                    {{ $users[$project->owner_id - 1]->name }}
                @endif
                <a href="{{ route('project.show', $project->id) }}">
                    <b>{{ $project->title }}</b>
                </a>
                {{ $project->description }}
                <br>
            @empty
            @endforelse
            @if (!Auth::user()->admin)
                <a href="{{ route('project.create') }}"><b>{{ __('Create') }}</b></a>
            @endif
        </div>
        <div class="card-footer">
            @include('partials.hint', ['hints' =>
                [ 'Ein Projekt kann mit Klick auf den Projektnamen geöffnet werden']]
            </div>
    </div>
@endsection

```

```

<!-- \resources\views\projects\p_show.blade.php -->
@extends('layouts.app')
@section('content')
    <div class="card">
        <div class="card-body">
            <a href="{{ route('project.edit', $project->id) }}">
                <b>{{ $project->title }}</b>
            </a> : {{ $project->description }}
            @if (!Auth::user()->admin)
                @include('projects.t_index')
                @include('projects.t_create')
            @endif
            <div class="row">
                <div class="col-md-1">
                    <a href="{{ route('project.index') }}"><b>{{ __('Back') }}</b></a>
                </div>
                <div class="col-md-1">
                    <a href="{{ route('project.delete', $project) }}">
                        <b>{{ __('Delete') }}</b></a>
                    </div>
                </div>
            </div>
        </div>
    </div>
@endsection

<!-- \resources\views\projects\p_side.blade.php -->
<b>{{ __('Projects') }}</b>
<note10>
    @forelse($projects as $project)
        <br>
        <a href="{{ route('project.edit', $project->id) }}">
            <b>{{ $project->title }}</b>
        </a>
        @empty
            ( {{ __('No Entry') }} )
        @endforelse
    </note10>

<!-- \resources\views\projects\t_create.blade.php -->
@include('layouts.session_message')
<form class="box" method="POST"
    action="{{ route('task.store', $project->id) }}">
    @csrf
    <div class="row">
        <label class="col-md-2 col-form-label text-md-right">
            {{ __('New') }} {{ __('Task') }}
        </label>
        <div class="col-md-10">
            <input type="text" class="form-control" name='description'
                value="{{ old('description') }}" required>
        </div>
    </div>
    <div class="row">
        <div class="col-md-8 offset-md-2">
            <button type="submit" class="btn btn-primary">
                {{ __('New') }} {{ __('Task') }} {{ __('Save') }}
            </button>
        </div>
    </div>
</form>

<!-- \resources\views\projects\t_index.blade.php -->
@if ($project->tasks->count())
<ul>
    @foreach($project->tasks as $task)
        <form class="form-check-label" method="POST" action="{{ route('task.update', $task->id) }}">
            @csrf @method('PATCH')
            <label class="checkbox" for="{{ $task->completed ? 'is-completed' : '' }}"
                for="completed">
                <input type="checkbox" name="completed" onChange='this.form.submit()'
                    {{ $task->completed ? 'checked' : '' }}>
                {{ $task->description }}
            </label>
        </form>
    @endforeach
</ul>

```

```
@endif
```