ESN
Ticketing App 2.0

Students:

Milan Milivojčević, Dimitar Pelivanov

Mentor: dr. Tatjana Zrimec
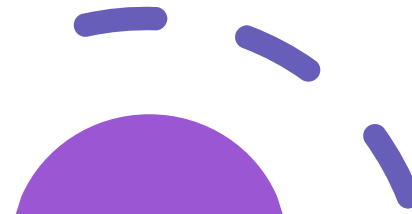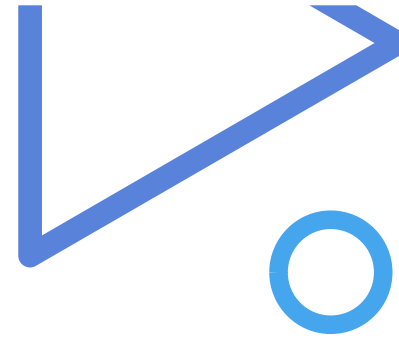
Meet the team

Milan Milivojčević, Dimitar Pelivanov

o First/Second year Master students
o BSc in Computer Science
o Volunteers at ESN Primorska and ESN Slovenia

Dr. Tatjana Zrimec

o Department of Information Sciences and Technologies
o Research: Robotics, Artificial Intelligence, Machine
   Learning etc.

Briefly on ESN

Erasmus Student Network (ESN) is one of the biggest student associations in Europe.

Three levels:

local sections, national sections, international board

o Works in the interest of international students

o Works to improve the social and practical integration of international students

o Motivates students to study abroad

o Organizes different activities

  (events, trips, workshops etc.)

Source: https://esn.org/about

Erasmus Student Ne

Count

Erasmus Student Ne
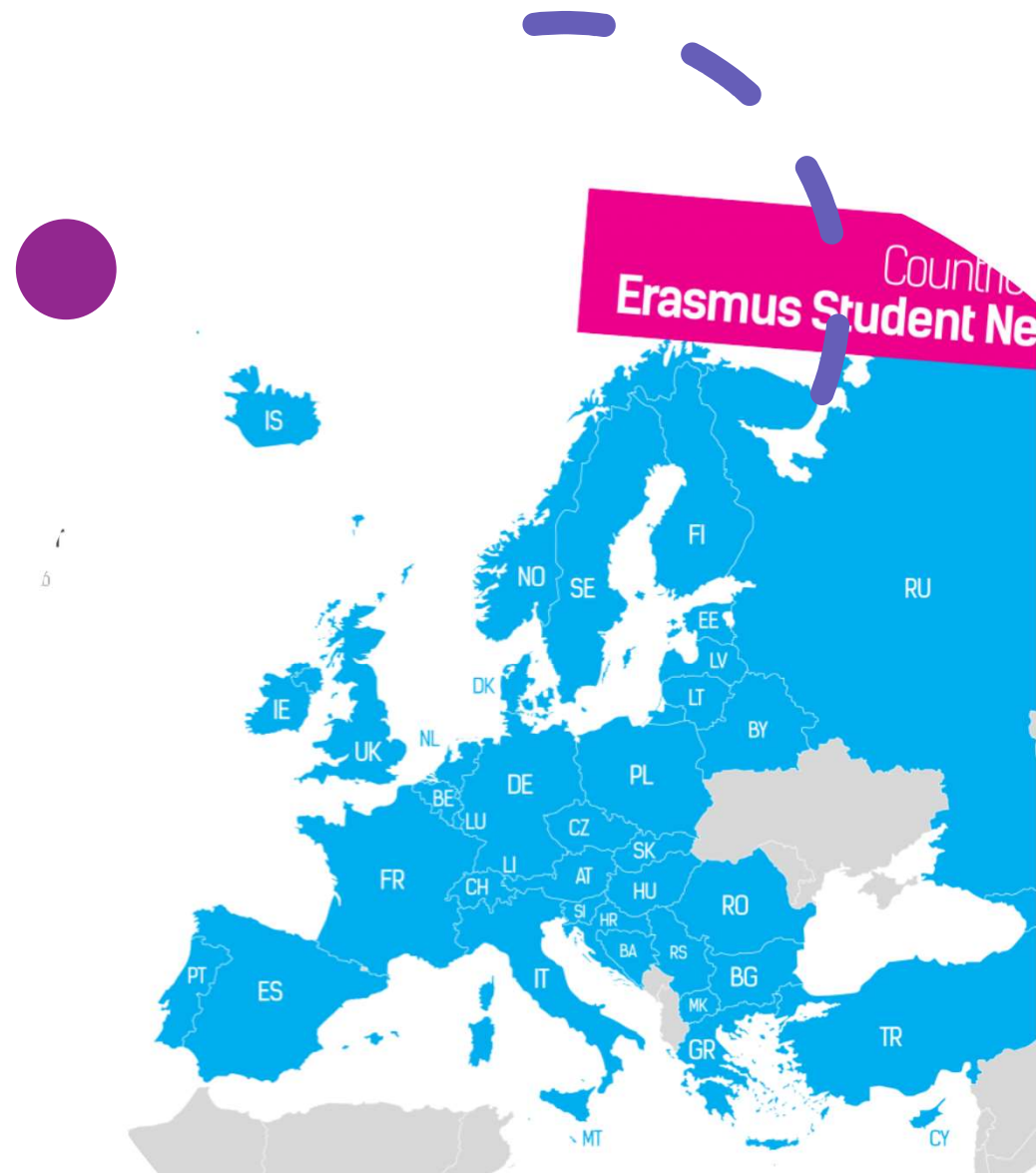
Motivation for
ESN Ticketing App 2.0

ESN has many tools, but there is no app that could aid the
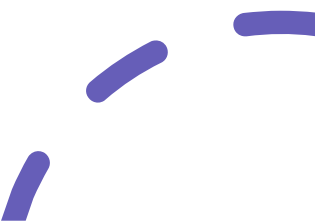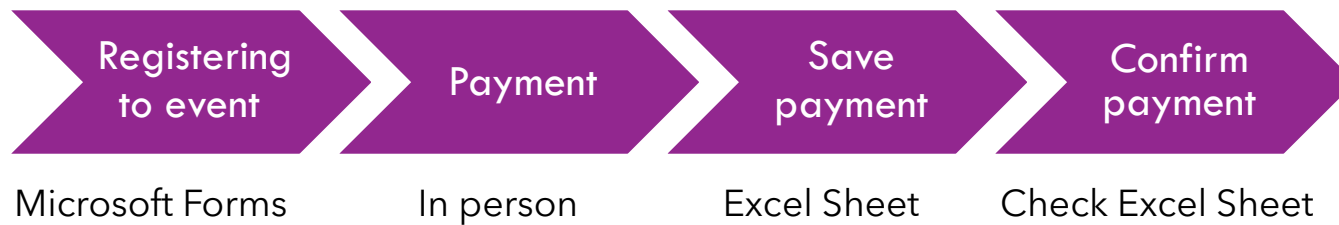registration process. Yet, there are a lot of events.
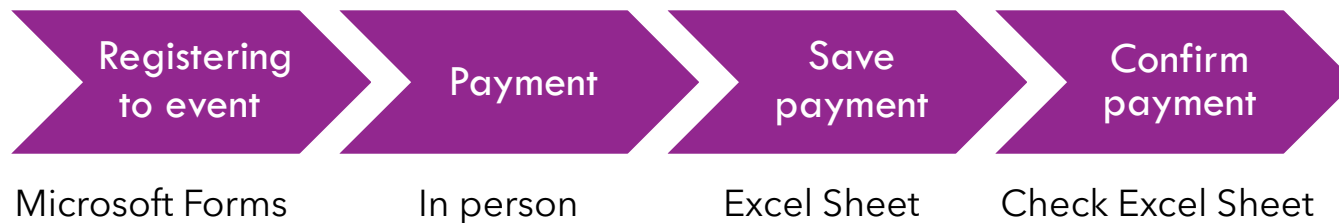
🏆 ESN Awards – IT category

Problem definition

Current Event Registering process:

Registering to event	Payment	Save payment	Confirm payment
Microsoft Forms	In person	Excel Sheet	Check Excel Sheet

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Data gets lost ◀

Time inefficient ◀

A lot of manual work ◀

Can't reuse the data ◀

Problem definition

Current Event Registering process:

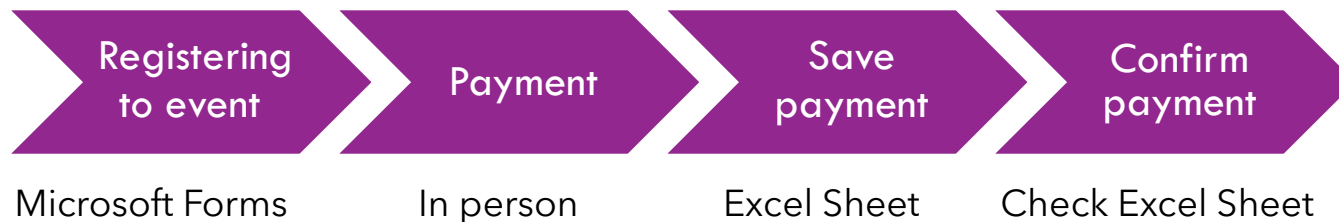| Registering to event	Payment	Save payment	Confirm payment
Microsoft Forms	In person	Excel Sheet	Check Excel Sheet
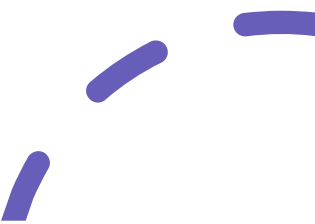
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Can't reuse the data ◀
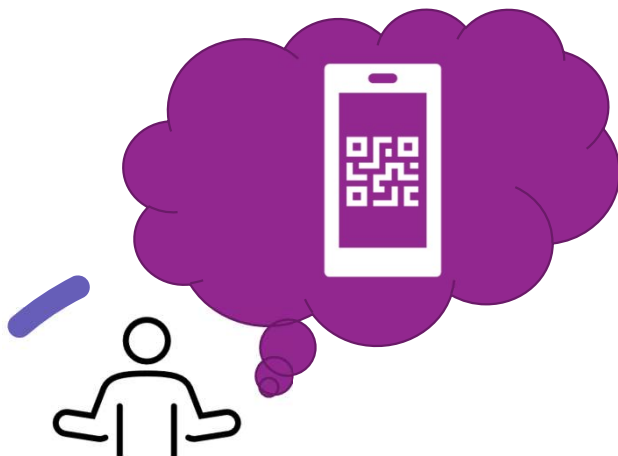
Current Solutions

Don't satisfy requirements

o No personalization

o Manual input

o No option for section account

Limited (Paid)

o Limited tickets

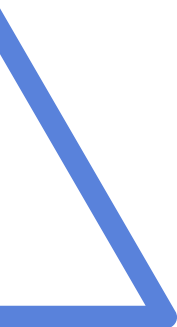o Time limitations

o "Unlock Feature"

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00,00 $

Our Solution (web-app)

Erasmus Student

Create account
See list of events
Register to event
Use ticket
Leave feedback
Online payment (with receipt)

Local/National Section

Create account
Create event
View registrations
Issue tickets
Scan ticket
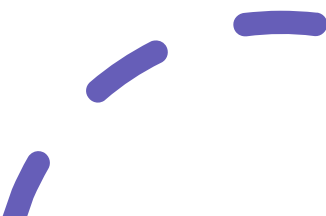Overview feedback
See statistics

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Create account
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Local/National Section

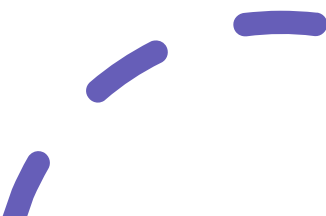Create account **(authorize)**
Create event
View registrations
Issue tickets
Scan ticket
Overview feedback
See statistics

My ticket

SCANNING....

ESN
Volunteer

Already implemented

Frontend

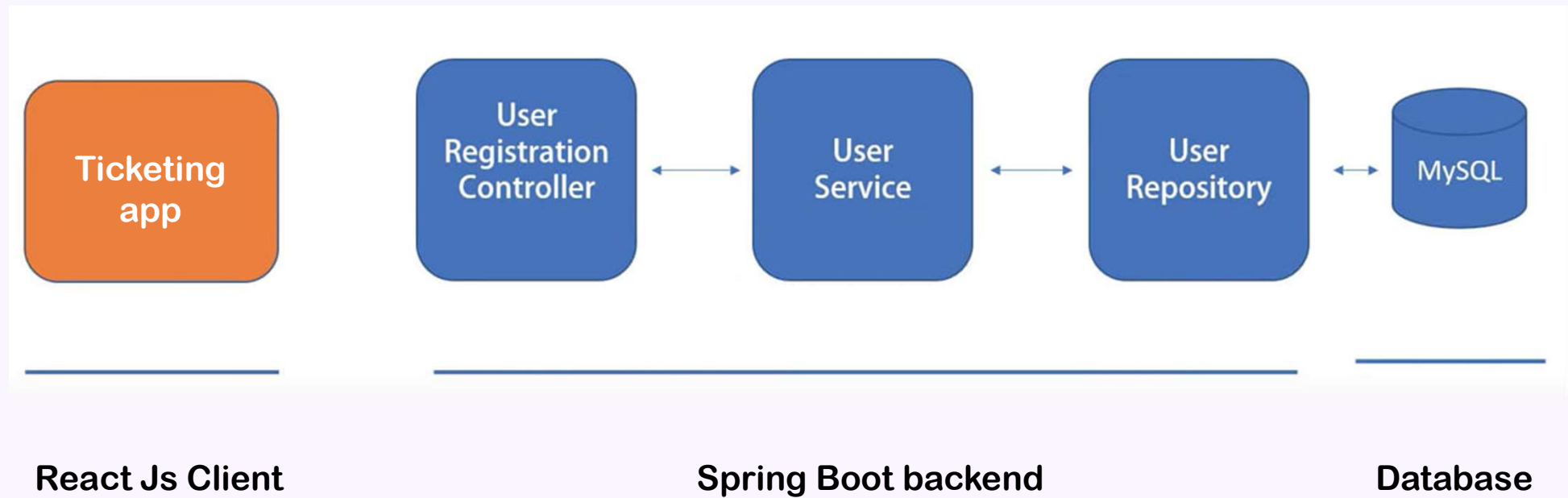| Login/Register	My profile	Events page	Ticket Wallet	Scan Ticket
✓	**Update name, password, follow ESN sections**	**See events of sections I follow, select and register to event**	**Open QR tickets to events I am registered to and eligible to attend**	
✓	**Update name, password, location, social media...**	**See events of my section, create event, select and update event, see registrations**		**Scan student ticket Get status of ticket**

Our Goals

- Improve User Experience
- Online Payment
- Event statistics
- Deploy

Testing & Evaluation

Architecture

React Js Client   **Spring Boot backend**   **Database**

Architecture

Ticketing app

User Registration Controller

User Service

User Repository
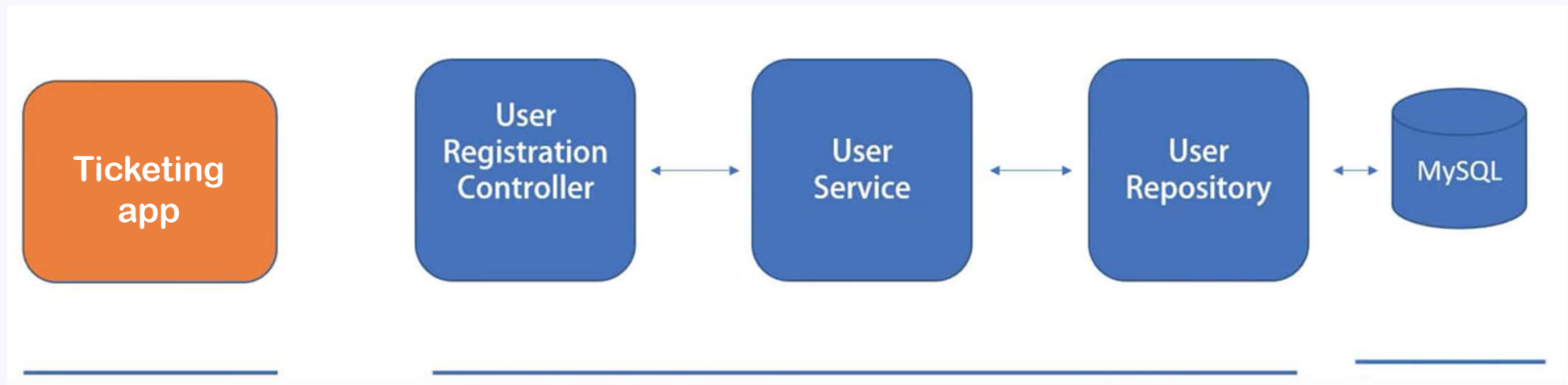
MySQL

React Js Client

Spring boot backend

Django

Database

Technologies

More tools

Technologies

django

React

MySQL

More tools

N Notion

GitHub

Work Plan

Sprints

All · Timeline +

April 2024 — Month ∨ < Today >

Aa Sprint name	Sprint status	Timeline
Sprint 2	Current	Sprint 2 08/04/2024 → 14/04/2024
Sprint 8	Future	
Sprint 7	Future	
Sprint 6	Future	
Sprint 5	Future	Sprint 5 29/04/2024 → 05/05/2024
Sprint 4	Future	Sprint 4 22/04/2024 → 28/04/2024
Sprint 3	Future	Sprint 3 15/04/2024 → 21/04/2024
Sprint 1	Past	Sprint 1 01/04/2024 → 07/04/2024
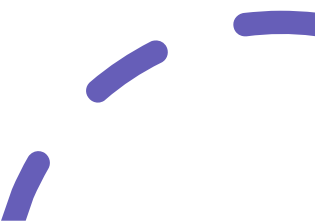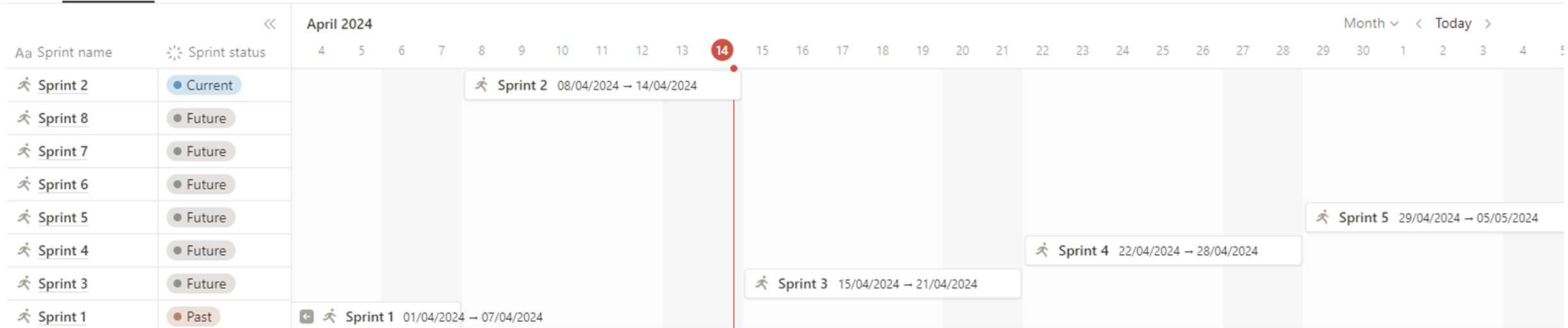
Aa Task name	👥 Assignee	🏃 Sprint	✦ Status
📄 Write project proposal	🧑 Milan Milivojcevic Ⓓ Dimitar P.	🏃 Sprint 1	● Done
📄 Schedule kick-off meeting	🧑 Milan Milivojcevic Ⓓ Dimitar P.	🏃 Sprint 1	● Done
Requirements	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 1	● Done
Evaluate ESN Ticketing App 1.0	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 1	● Done
Creating Intro Presentation	🧑 Milan Milivojcevic Ⓓ Dimitar P.	🏃 Sprint 2	● Done
Update CRUD For Users in Django	Ⓓ Dimitar P.	🏃 Sprint 3	● Done
Update CRUD For Tickets in Django	🧑 Milan Milivojcevic	🏃 Sprint 3	● Done
Update CRUD For Events in Django	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 3	● Done
Update GUI of user profile page	🧑 Milan Milivojcevic	🏃 Sprint 4	● Done
Add admin permissions	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 4	● Done
Update DB with the respect to requirements	🧑 Milan Milivojcevic Ⓓ Dimitar P.	🏃 Sprint 4	● Done
Create user section only as admin	🧑 Milan Milivojcevic	🏃 Sprint 4	● Done
Add option to share event on social media	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 5	● Not started
Update Scan code functionality	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 5	● In progress
Registration, OAuth, via Social Media	Ⓓ Dimitar P.	🏃 Sprint 6	● Not started
Invoice generator pdf	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 6	● Not started
Event analytics (Event Attendance)	Ⓓ Dimitar P. 🧑 Milan Milivojcevic	🏃 Sprint 7	● Done
Online payment	Ⓓ Dimitar P.	🏃 Sprint 7	● Not started
📄 Review research results	🧑 Milan Milivojcevic	🏃 Sprint 8	● Not started

COUNT 20

Tickets

Search   🔍

- Event Name

Card title

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago
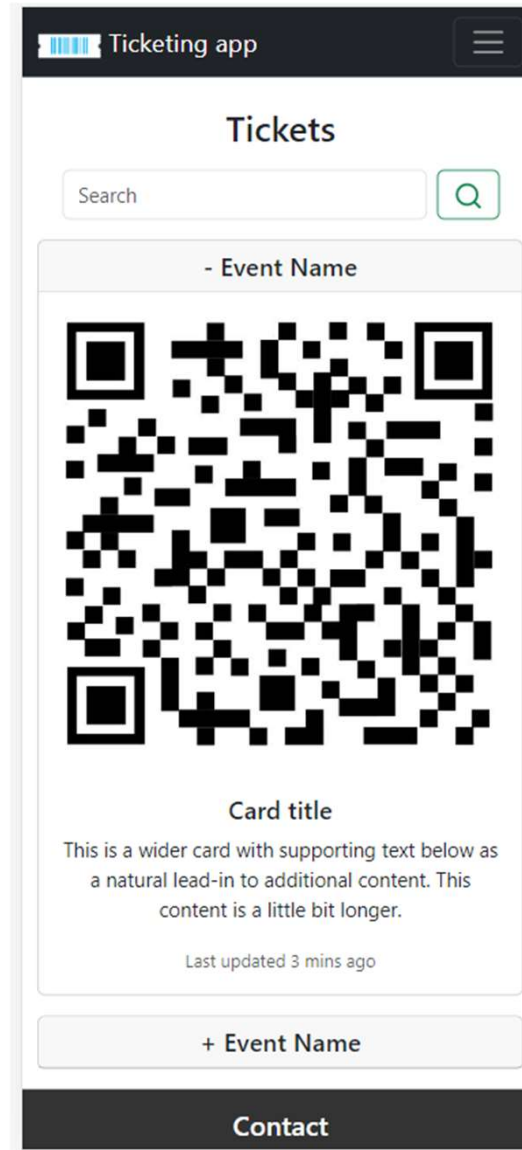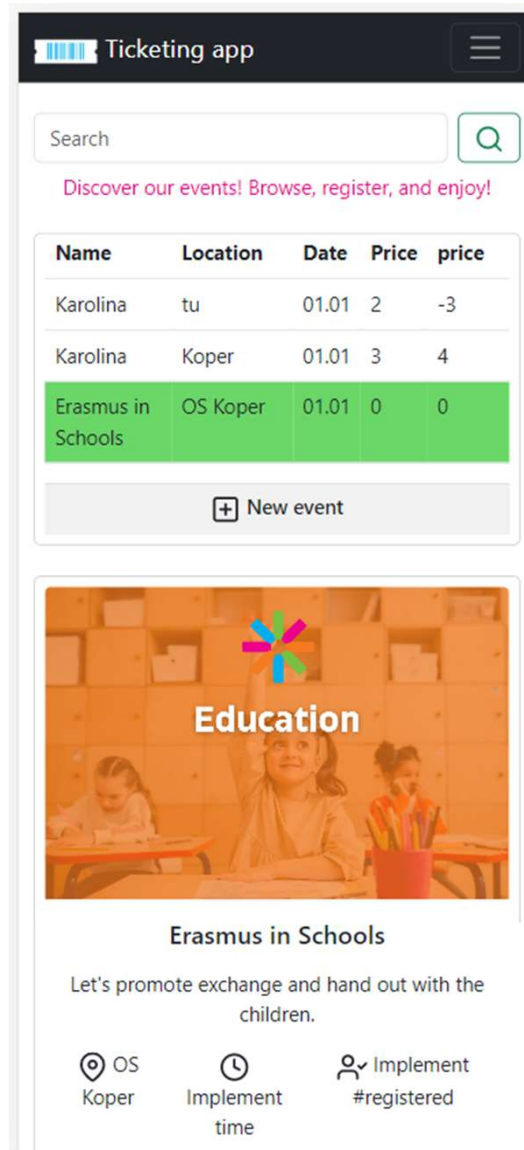
+ Event Name

Contact

Milan Milivojcevic

Karolina Trajkovska

⊙ f in
© ESN Slovenia

ESN
Erasmus Student Network

• Responsivness

Thank you!