

TALLINN UNIVERSITY OF TECHNOLOGY

School of Information Technologies

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## **EVENT ORGANIZER**

Web Applications with C# (ICD0024)

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## **Author's declaration of originality**

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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# 1 Introduction

## 1.1 Concept

The idea behind the project is an application, that allows users to find near events or organize them. Simple solution for musicians, concert managers and stage providers to find each other. Different cultural events, big part of which are musical concerts, have been evolving alongside with society during a significant part of humankind history. Today even in such a relatively small town as Tallinn each day are held many events that gather their audience. The problem is that as far as author searched the web there was no unified music-orientated event organizing platform found. Such a platform, where users could find either events their favorite bands take part in or just an activity for an evening, musicians look for stages to perform with a possibility to plan their tour much easier and stage owners to look for musicians to perform at their stage. That's the main concept of the project – to bring together touring musicians, dusty stages and bored fans.

## 1.2 Main client flow and functionality

Proposing design of the application, author assumes, that the more friendly user interface is and at the same time the more functional is the application – the more audience it can potentially attract. Therefore author tries to keep those in balance. The home page of unauthorized user includes header, footer and two navigational buttons: “show events” and “register”.

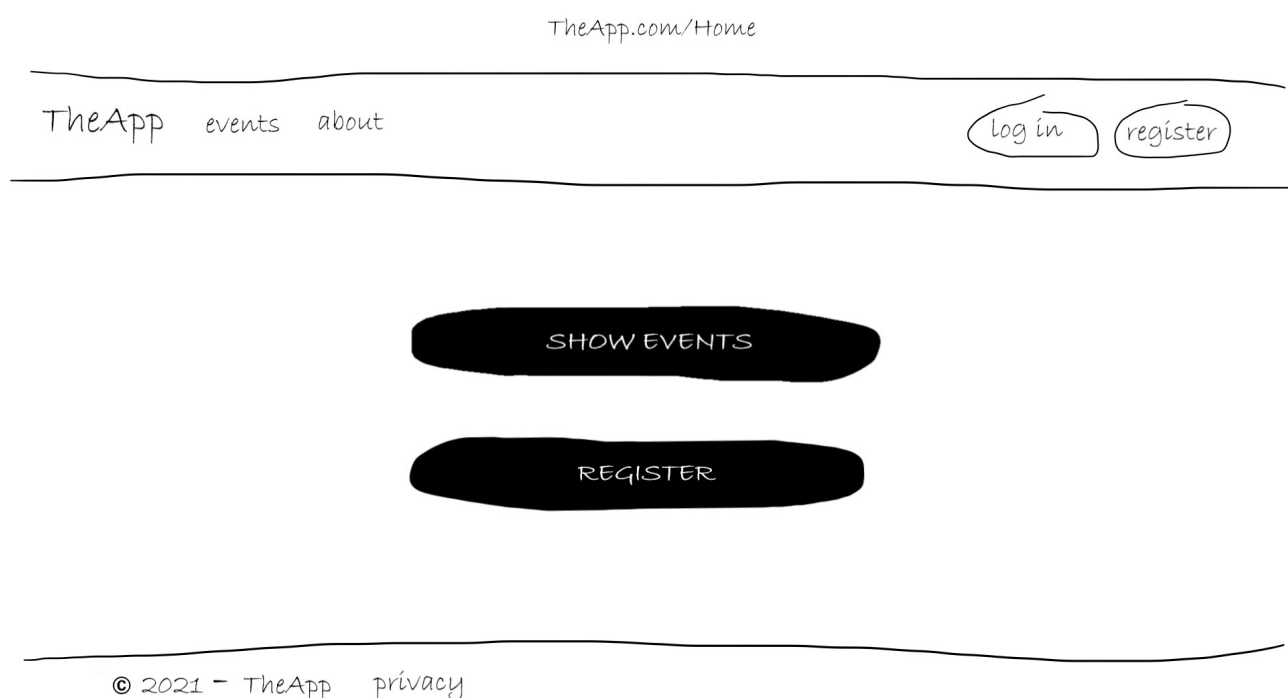


Figure 1: Home page

Web application allows users to register as a fan (a person, who is neither musician nor stage owner), a musician (or a band), a stage (a place where musicians can perform) or an intermediary (an independent event manager or some kind of company that organizes music events, acting as an intermediary between musicians and stages). Each user role has it's own rights and possibilities in the application.

Fan can observe all upcoming and past events, follow musicians and stages and invite musicians to perform in one's region, leave comments to events and stages and rate them. Musician can do the same fan can do, post events one performs at, select approximate dates one plans touring at and look for stages, that are available (that have also selected dates they are available). Also, musicians can rate stages and leave feedbacks on stages they have performed. Those feedbacks and ratings are only visible to musicians, stage owners and intermediaries. Stages can do the same musicians can do, but vice-versa - select dates the stage is free and invite musicians to perform, rate musicians and leave feedback on them. Intermediary can observe both musicians and stages and organize events by contacting them. Also, an intermediary can add both musicians and stages (for example, in case, if one is an owner of multiple stages or a label, presenting multiple musicians).

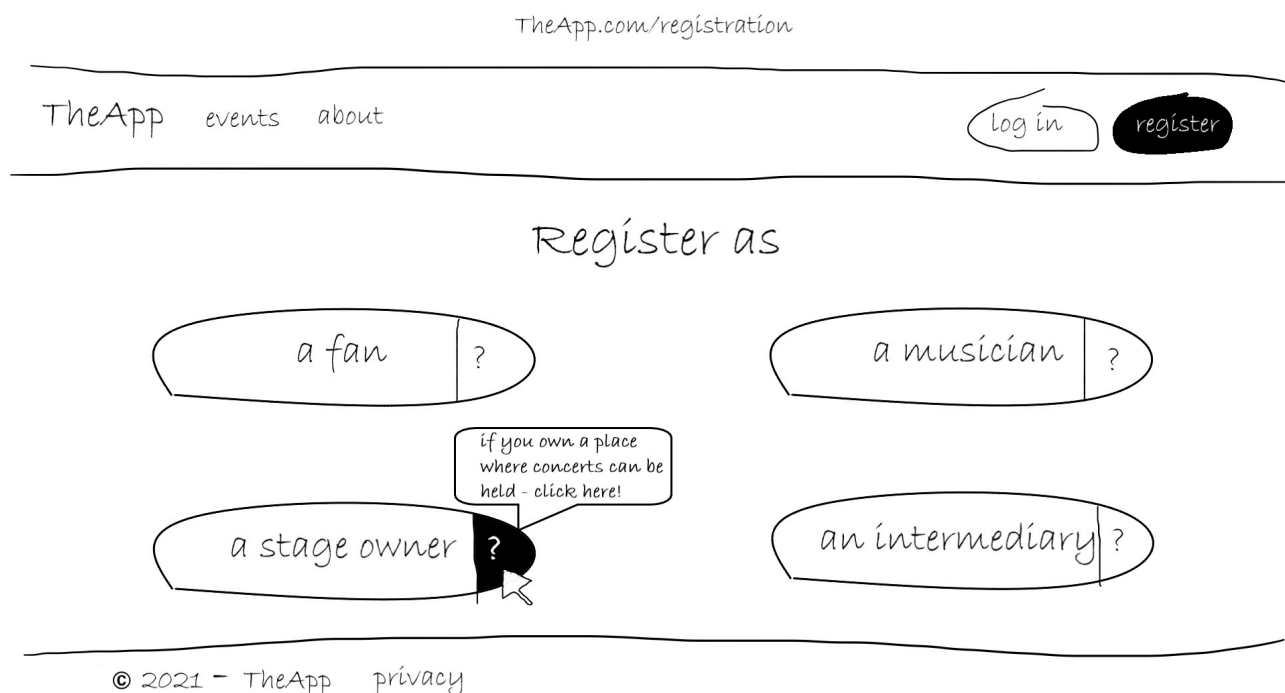


Figure 2: Registration page

The final output of the application's users' activity is an organized event. The home page navigates to the page of event list, that are primarily shown based on user location and are ordered by popularity. A shown event consist of poster, title, performing musicians, organizer, event date, event location and amount of people, who are going/interested. Events can be searched by free search and by different location. Events can be ordered by popularity and by date.

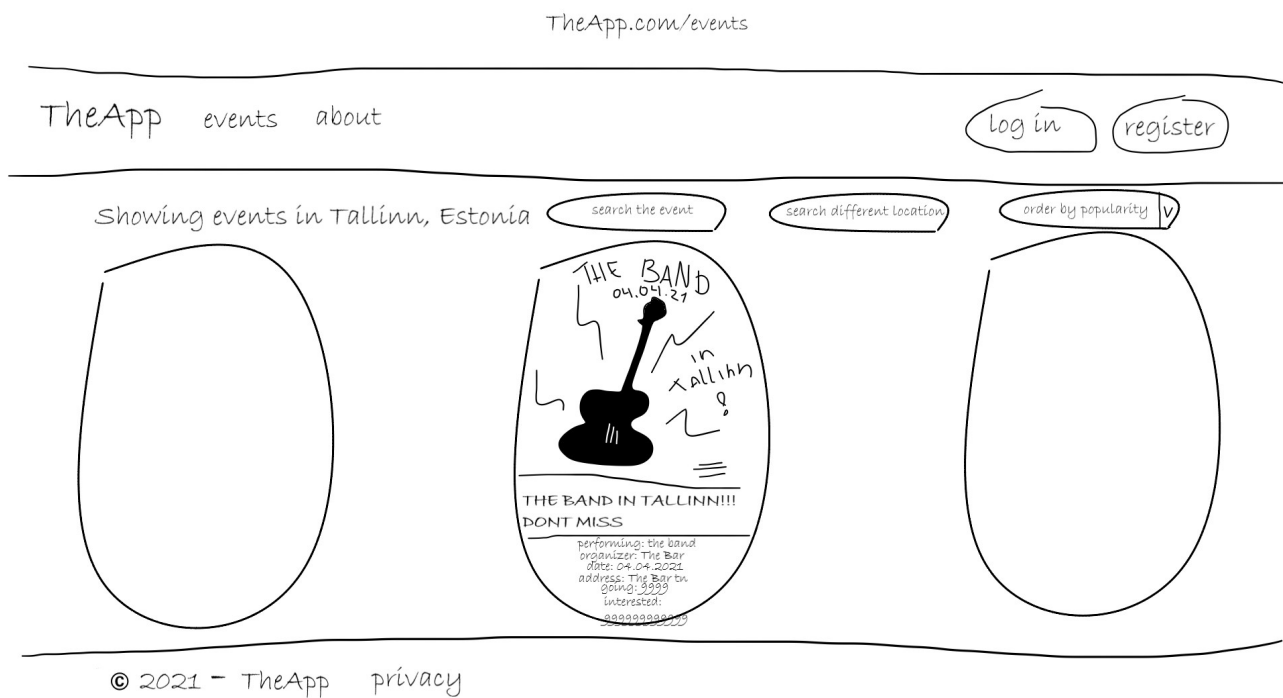


Figure 3: Page of events

A logged in user regardless of the role one has can see two more links in the header: musicians and stages. Those links navigate to lists, that should look pretty much the same, as the page of events (Figure 3) looks like: searchable and orderable flexboxes.

## 2 ERD Schema

