

SEPTEMBER, 2022



Ideation document

For the individual project
of Semester 3, ICT
Software Engineering

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Class
S3-CB02

Table of Contents

- 01** Description
- 02** Highlights
- 03** Backlog
- 04** Versioning table
- 05** Siteman

- 06** Wireframe
- 07** Design
- 08** Contact information

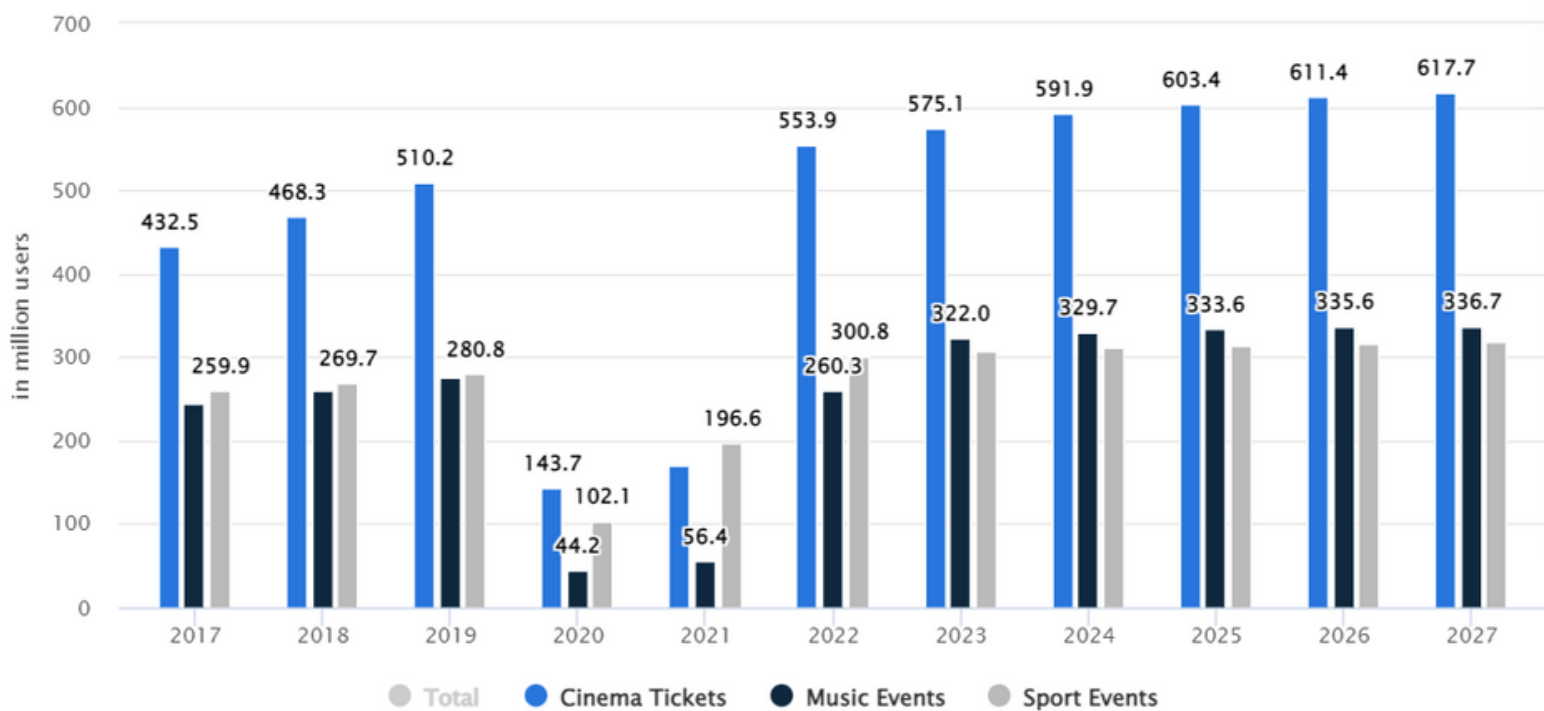
Project description

and main idea

- My individual project for semester 3 it's called **Evento**. **Evento** will be a platform that will allow users to create all sorts of events or buy tickets to the events, depending on the type of account.
- **Evento** will have 3 types of users with different permissions:
 1. **Admin**, who can see statistics about the sales or activity
 2. **Organizers**, who can create and edit events
 3. **Clients**, who can buy tickets to the events have a personalized feed with the preferred type of events or Organizers
- In order to meet the requirements for this semester, I will develop advanced functionalities that will boost the business process of the app, making it more professional. All these functionalities are presented in the URS document of this project.

Highlights

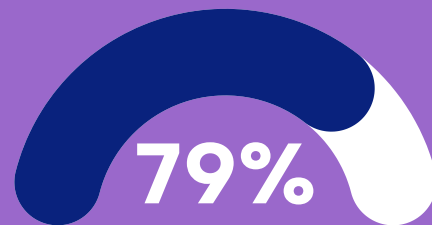
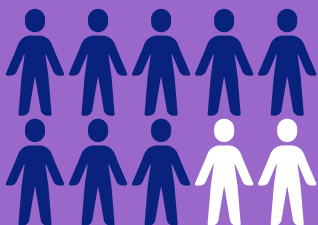
based on my research



Average no. of event app users

Source: [statista.com](https://www.statista.com)

Tickets sold online compared to physical sales



SOURCE: [RESEARCH.GATE](https://www.researchgate.net)

Backlog

based on the sprint's structure

SPRINT 1

- Project planning
- Documentation
- First setup of Restful API for the individual track project
- CI/CD environment initialization

SPRINT 2

- Design document version 1
- High-level architecture -> So how is SOLID guaranteed
- C4 architecture diagrams
- Important design decisions and applied research
- Perhaps UML class diagram1st prototype iteration
- demonstrating basic frontend – backend: calling the get operations from the React frontend
- Applied research document

SPRINT 3

- Design document version 2
- Back-end architecture setup complete with C4 design
- Quality assurance in Git using SonarQube running, with screenshot for proof.
- Test plan including
- User Acceptance Tests
- Test strategy
- Unit tests, integration tests, and possibly other tests
- 2nd prototype iteration
- Research document



SPRINT 4

- Design document version 3
 - Include a diagram of how the CI is set up.
 - Use sources in APA style formatting, and used Method from DOT framework to backup design decisions and choices made.
- 1st release version (demonstrating authentication/authorization integration)
 - Planning: Actual use of Agile user stories
 - Backend set-up in multiple layers using interfaces and dependency injection -> SOLID
 - Up-to-date product, sprint backlogs and burn-down charts
- Sonarqube screenshot/report pre-post -> Quality assurance metrics
- UX feedback report (feedback from 2 different users) and resulting improvements on your UI

SPRINT 5

- Final design document
- Security report detailing how the application deals (or does not deal) with the OWASP top 10 security risks.
- 2nd release version (demonstrating a fully operational CI/CD pipeline)
- Up-to-date product and sprint backlogs and burn-down charts.
- Websockets implemented in the project

SPRINT 6

- Final design document
- Final release (Docker integration)
- Up-to-date product, sprint backlogs and burn-down charts.
- A web performance review document, using Google Lighthouse, JMeter or a different measurement tool, as well as a reflection on this performance, indicating possible bottlenecks or applied improvements

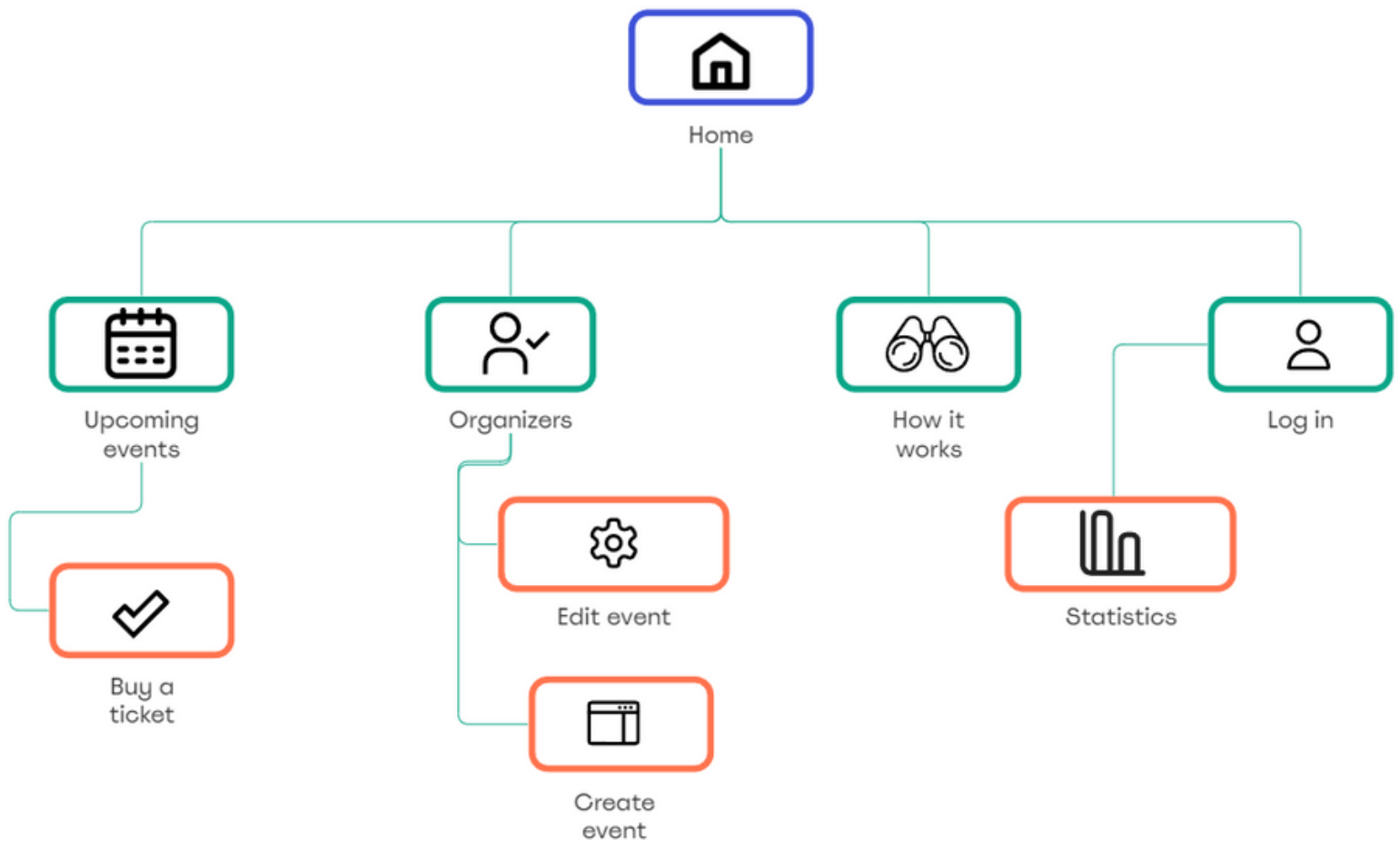


Versioning table

VERSION	DATE	CHANGES MADE	SPRINT
1	16.09.2022	Project documents, set up git	1

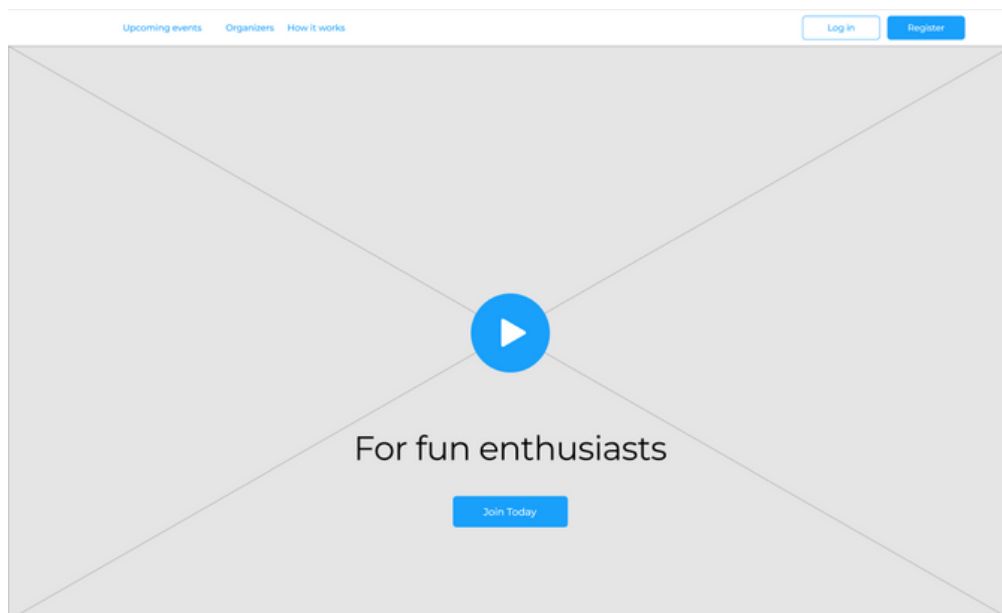
Sitemap

first version

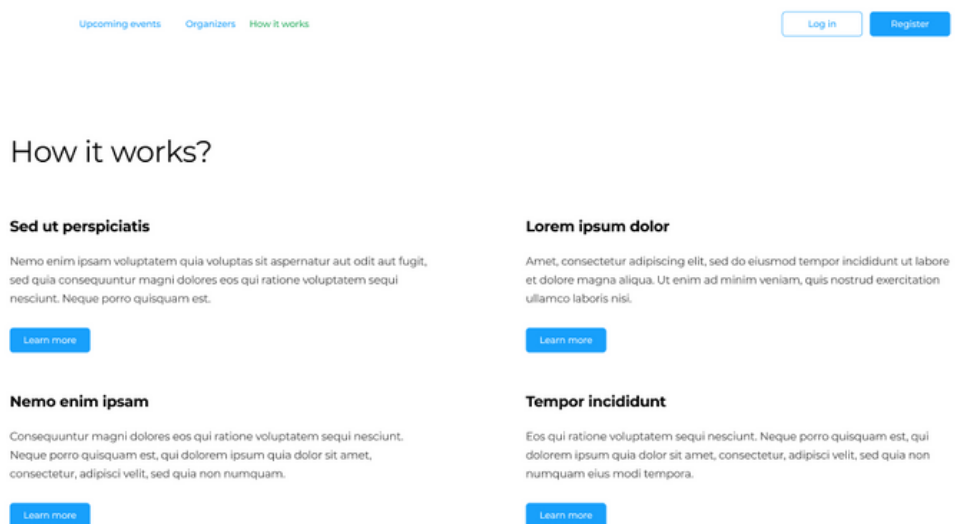


Note*: This is just an overview of the sitemap, some pages will be added depending on how many additional functionalities will be implemented

Wireframe

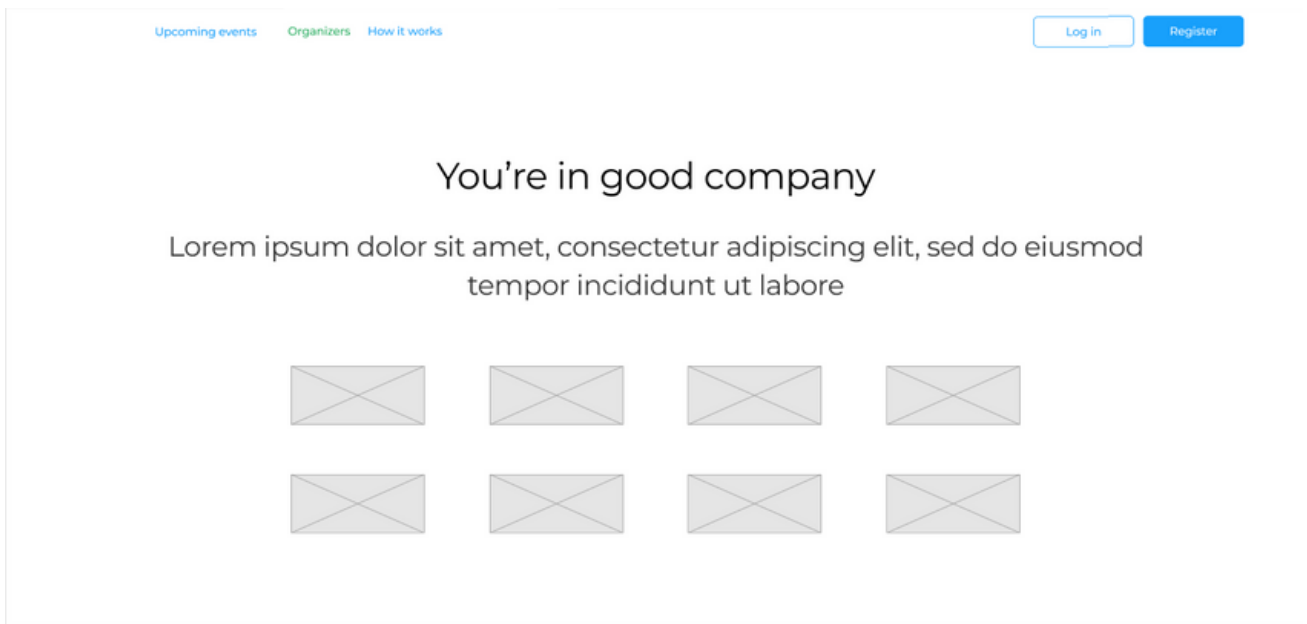


The front page will give an overview of the concept. It will be possible to navigate through "Upcoming events", "Organizers" and "How it works" pages without logging in.

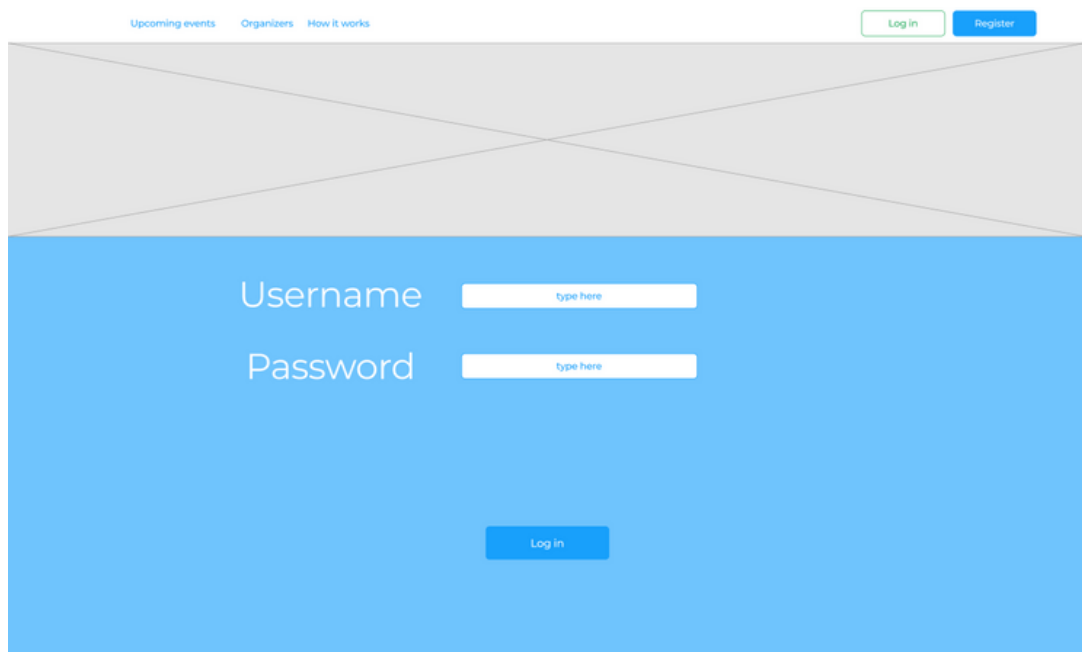


This page will contain information about how the platform and the permissions that each account offers.

Wireframe



This page will show the partner Organizers of the events along with the variety of events that you can choose from (music concerts, theatre, online events)



The Login page will allow access to every type of user, no matter their permissions, if they type the right credentials and then redirects the user to their rightful pannel

Wireframe

Upcoming events Organizers How it works

Log in Register

Username

Password

Email

Here both clients and organizers can register to the platform.

Create your event here

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore

Details of the event


Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur.

Date and time

Amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Tickets and prices

Consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem.



This is the Organizers Panel, they can perform CRUD operations with the events.

Wireframe

Get your ticket now!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore

Event name

Clients can buy their tickets for the events here if the event it's still available and it has free places.

Additional pages

that will be added to the project

1. On the organizer's side:
 - statistics about sales
 - demographic statistics
2. On the admin's side:
 - most popular events
 - average price per type of event
3. On the client's side:
 - seating system (like the cinemas) etc.

Design

Similar websites:

- [Eventbrite](#)
- [Eventim](#)
- [Viagogo](#)

Inspiration & resources:

- [Behance](#)
- [Design Junction](#)
- [Charts](#)



Questions? Contact me.

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