

Title of project

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Software Project

Ticket selling WebPage

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DL836 BSc (Hons) in Creative Computing

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# Introduction

The aim of this project is to create a web application which will help me to develop my skills using different languages as PHP, MySQL, Bootstrap, CSS, Sass, html and js.

The original idea is a concert/festival ticket selling webpage, where all the discographic business or independent artist can sell their tickets

# Business Concept

## Business Idea

The original idea is a concert/festival ticket selling webpage, where all the discographic business or independent artist can sell their tickets I’m aiming to have a web application with dynamism and easy to use, a site where you can go in and have a fast buy without too many hesitations.

## Business model

My business will be able to make the ticket selling easy and fast for the sellers and for the users.

The business will take a small percentage of the tickets sold, plus different incomes from advertising, etc…

## Weakness / Threats

The competitors are very weak and not trying enough to make this business bigger than already is, so the only thing I could say is a treat is not being famous enough between the existing business, luckily, I think it won’t take long to change this.

## Market Research

My business marketing would be basically all online, having advertising in other platforms such as YouTube or Twitch where I can find targets in the age range I’m looking for, younger generations.

## Competitors

The main competitors would be the other selling web pages such as TicketMaster or StubHub.

# Requirements

### Functional requirements

The sellers would be able to “post their tickets” and the buyers would be able to see them online so they are able to make a buy fast and save.

### User requirements

User will be able to buy the tickets or in the case they are the sellers they can sell their tickets for their own events.

### Use Case Diagrams

A picture containing text, map, indoor

Description automatically generated

## Feasibility

For my feasibility I will use: GitHub, Figma, Bootstrap and Laravel.

# Web application Design

## Layout

For the layout I used Figma, using basic rectangles to make my page minimalist and clean.

## Interaction

The webpage will have interaction for selling the tickets and for buying them.

## Colour schemes

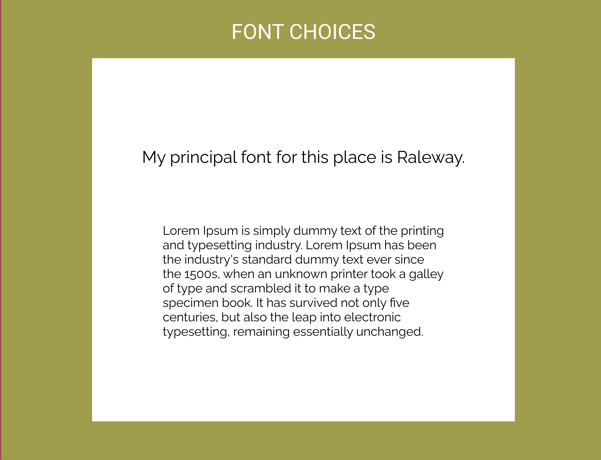
For my color schemes I used 5 colours.

A picture containing graphical user interface

Description automatically generated

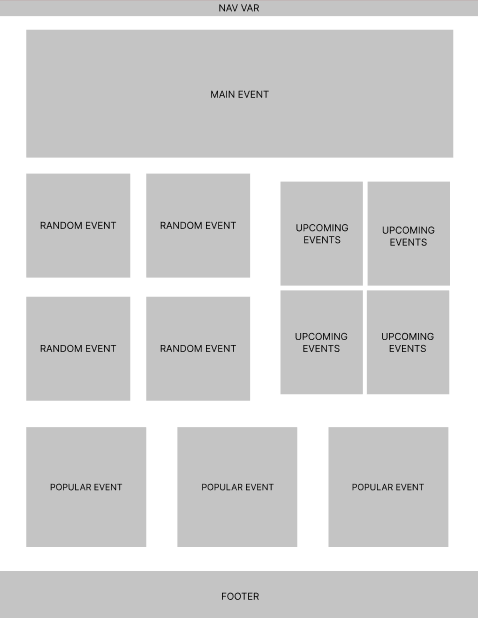
## Font choices

For my font choices I will use Raleway, which I found attractive for my page.

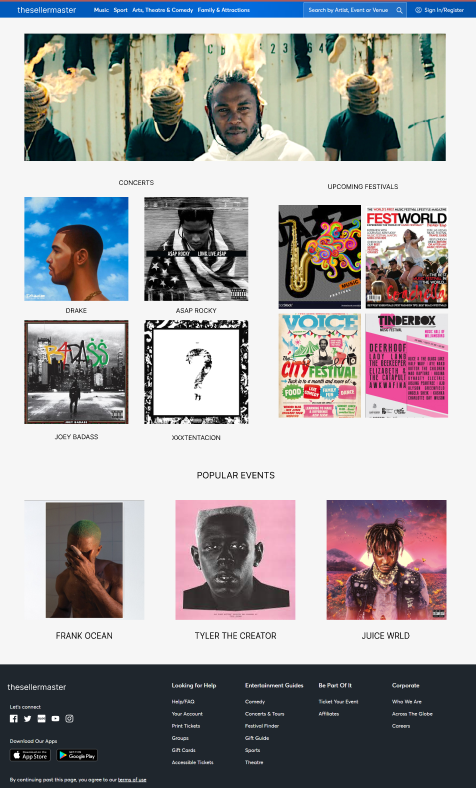


## Wireframes

Homepage mid-fidelity

****

**Homepage high-fidelity**

****

# Database Design

## Description

My page will have a database connected to it to store the tickets of the events.

## Textual Representation of Data-Set

**roles**  (id, name, description, created\_at, updated\_at)

**tickets** (id, title, description, location, start\_time, created\_at, updated\_at)

**users** (id, name, email, email\_verified\_at, password, remember\_token, created\_at, updated\_at)

**user\_role** (id, user\_id, role\_id, created\_at, updated\_at)

## Tables

A picture containing graphical user interface

Description automatically generated

## Database Dictionary

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| roles | Attribute | Datatype | Range | Required | PK/FK | FK Ref Table |
| id | unsigned | bigint | 20 |  | PK |  |
| Name |  | varchar | 255 |  |  |  |
| Description |  | varchar | 255 |  |  |  |
| Created\_at |  |  |  |  |  |  |
| Updated\_at |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tickets | Attribute | Datatype | Range | Required | PK/FK | FK Ref Table |
| id | unsigned | bigint | 20 |  | PK |  |
| title |  | varchar | 255 |  |  |  |
| description |  | varchar | 255 |  |  |  |
| location |  | varchar | 255 |  |  |  |
| Start\_time |  | date |  |  |  |  |
| Created\_at |  | timestamp |  |  |  |  |
| Updated\_at |  | timestamp |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| users | Attribute | Datatype | Range | Required | PK/FK | FK Ref Table |
| id | unsigned | bigint | 0-100 |  | PK |  |
| name |  | varchar | 2555 |  |  |  |
| email |  | varchar | 255 |  | FK |  |
| Email\_verified\_at |  | timestamp |  |  |  |  |
| password |  | varchar | 255 |  |  |  |
| Remember\_tocken |  | varchar | 100 |  |  |  |
| Created\_at |  | timestamp |  |  |  |  |
| Updated\_at |  | timestamp |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User\_role | Attribute | Datatype | Range | Required | PK/FK | FK Ref Table |
| id | unsigned | bigint | 20 |  | PK |  |
| User\_id | unsigned | bigint | 20 |  | FK | users |
| Role\_id | unsigned | bigint | 20 |  | FK | roles |
| Created\_at |  | int |  |  |  |  |
| Updated\_at |  | int |  |  |  |  |

# Project Management

## Introduction

Project Management for this web page was a very important part of the process to make a proper and professional site.

## Project Phases

### Design

The design of my project started from a simple drawing on paper to the mid-fidelity and finally the high-fidelity using figma for this last two.

## Project Management Tools

### Github Project

For GitHub I committed every time I had an update in my project

### GitHub

I created a repository in GitHub that every time I had an update of my project I commit the changes so I have a progress of my work.

# Reflection

## Your views on the project

This project was very successful from my point of view

## How could the project could be developed further?

If I had more time I would love to develop a little bit more my SQL skills and Laravel skills aswell.

## Assessment of your learning.

I think I learned enough to be competitive in my sector, having no questions or doubts about anything and having a very good development of my skills

## Completing a large software development project

It was very challenging for the reason that I didn’t have enough time to put more effort in the project despite the good work I think I did.

## Technical skills

I think I’m very competent and my skills are on point, having under control languages as SQL, HTML, CSS, and using successfully Laravel.

## Further competencies and skills

I hope in a future I would be able to improve even more my skills.

# References

## Frameworks:

**Laravel:**

<https://laravel.com/>