

# SETUP DOCUMENT



Z 7layers

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## Version: 3

- **Date:** 30-03-2019
- **Tutor:** Mikaeil Shaghelani Lor
- **Client:** Emin Thaqi
- **Group members:** Mohamad Wissam Alhamwi – Dimitrije Guteša- Radu Pavel- Borislav Pavlov

## Version History

The following table provides information about the development of the Setup Document, including the main changes in the Setup Document (adding and editing information) and the dates for the approval of this information:

ID & Version #	Prepared by	Revision Date	Approved	Actions
1.0	Borislav Pavlov	12.03.2019	Mikaeil Shaghelani Lor	Added GUIs for half of the applications, wireframes of the website, site map, visual design of some of the pages, ERD diagram picture. Made suggestions for the agreements with the client and the functional requirements for the applications in MoSCoW model
1.1	Borislav Pavlov	17.03.2019	Mikaeil Shaghelani Lor	Changed - GUIs, ERD Diagram and the format of the tables. Also added Use Cases
1.2	Borislav Pavlov	30.03.2019		Changed - GUIs

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# 1 Agreements with the Client

## From the team side:

The client has hired the team to create a software solution for managing events.

The deliverables of the team can be seen in Table 1 below:

The deliverable	Purpose	Features (MoSCoW method)
Application 1: The website	Informing people about the event and allows reservation of tickets and camping spots	<ul style="list-style-type: none"><li>❖ <b>Must have:</b><ul style="list-style-type: none"><li>➤ Event information</li><li>➤ Ticket purchasing</li><li>➤ Receiving an email confirmation and BARCODE</li><li>➤ Customer registration<ul style="list-style-type: none"><li>○ Give unique id number to users</li></ul></li><li>➤ Camping reservation<ul style="list-style-type: none"><li>○ Visitor has to specify all people renting the place (up to 6 people)</li></ul></li><li>➤ User money deposit</li></ul></li><li>❖ <b>Should have:</b><ul style="list-style-type: none"><li>➤ Admin page<ul style="list-style-type: none"><li>○ Client posting announcements</li></ul></li><li>➤ Responsive design</li></ul></li><li>❖ <b>Could have:</b><ul style="list-style-type: none"><li>➤ Mobile app</li><li>➤ User reviews</li></ul></li><li>❖ <b>Won't have:</b> —</li></ul>

The deliverable	Purpose	Features (MoSCoW method)
<b>Application 2: Check in/out application</b>	Checking visitors in and out of the event and camping	<ul style="list-style-type: none"> <li>❖ <b>Must have:</b></li> <li>❖ Visitor check-in               <ul style="list-style-type: none"> <li>➤ Check if he has paid</li> </ul> </li> <li>❖ <b>Sell tickets</b></li> <li>❖ <b>Visitor check-out</b> <ul style="list-style-type: none"> <li>➤ Check account balance</li> <li>➤ Check loaned materials</li> </ul> </li> <li>❖ <b>Camping check-in:</b> <ul style="list-style-type: none"> <li>➤ Check if group has paid</li> <li>➤ Sell camping:                    ticket if not with additional fee                 </li> </ul> </li> <li>❖ <b>Should have:</b> —</li> <li>❖ <b>Could have:</b> <ul style="list-style-type: none"> <li>➤ Security password</li> </ul> </li> <li>❖ <b>Won't have:</b> <ul style="list-style-type: none"> <li>➤ User Manual</li> </ul> </li> </ul>

The deliverable	Purpose	Features (MoSCoW method)
<b>Application 3: Shop application</b>	Supporting the shops (food/drinks/souvenirs) and the loan stands	<ul style="list-style-type: none"> <li>❖ <b>Must have:</b> <ul style="list-style-type: none"> <li>➤ Visitor uses RFID Chip to pay and also can use user ID</li> </ul> </li> <li>❖ <b>Should have:</b> <ul style="list-style-type: none"> <li>➤ Generating receipt for visitor</li> </ul> </li> <li>❖ <b>Could have:</b> <ul style="list-style-type: none"> <li>➤ Security password</li> </ul> </li> <li>❖ <b>Won't have:</b> <ul style="list-style-type: none"> <li>➤ User manual</li> </ul> </li> </ul>

The deliverable	Purpose	Features (MoSCoW method)
<b>Application 4: Admin Panel</b>	Allow getting a clear status overview of the event	<ul style="list-style-type: none"> <li>❖ <b>Must have:</b> <ul style="list-style-type: none"> <li>➤ Camping statistics (booked and free spots)</li> <li>➤ Visitor status and history</li> <li>➤ Amount visitors present</li> <li>➤ Amount visitors that visit the event</li> </ul> </li> <li>❖ <b>Should have:</b> <ul style="list-style-type: none"> <li>➤ Overview balance of all visitors</li> <li>➤ Total amount gathered from stands</li> </ul> </li> <li>❖ <b>Could have:</b> <ul style="list-style-type: none"> <li>➤ Total amount of certain product sold</li> <li>➤ Security password</li> </ul> </li> <li>❖ <b>Won't have:</b> <ul style="list-style-type: none"> <li>➤ User manual</li> </ul> </li> </ul>

The deliverable	Purpose	Features (MoSCoW method)
<b>Application 5: ATM stand application</b>	Supporting the ATM stands working with the client balance	<ul style="list-style-type: none"> <li>❖ <b>Must have:</b> <ul style="list-style-type: none"> <li>➤ Visitor depositing money on account</li> </ul> </li> <li>❖ <b>Should have:</b> <ul style="list-style-type: none"> <li>➤ Log files with information about deposits</li> </ul> </li> <li>❖ <b>Could have:</b></li> <li>❖ <b>Won't have:</b> <ul style="list-style-type: none"> <li>➤ Withdrawing money from account before visitor leaves the event</li> <li>➤ User manual</li> </ul> </li> </ul>

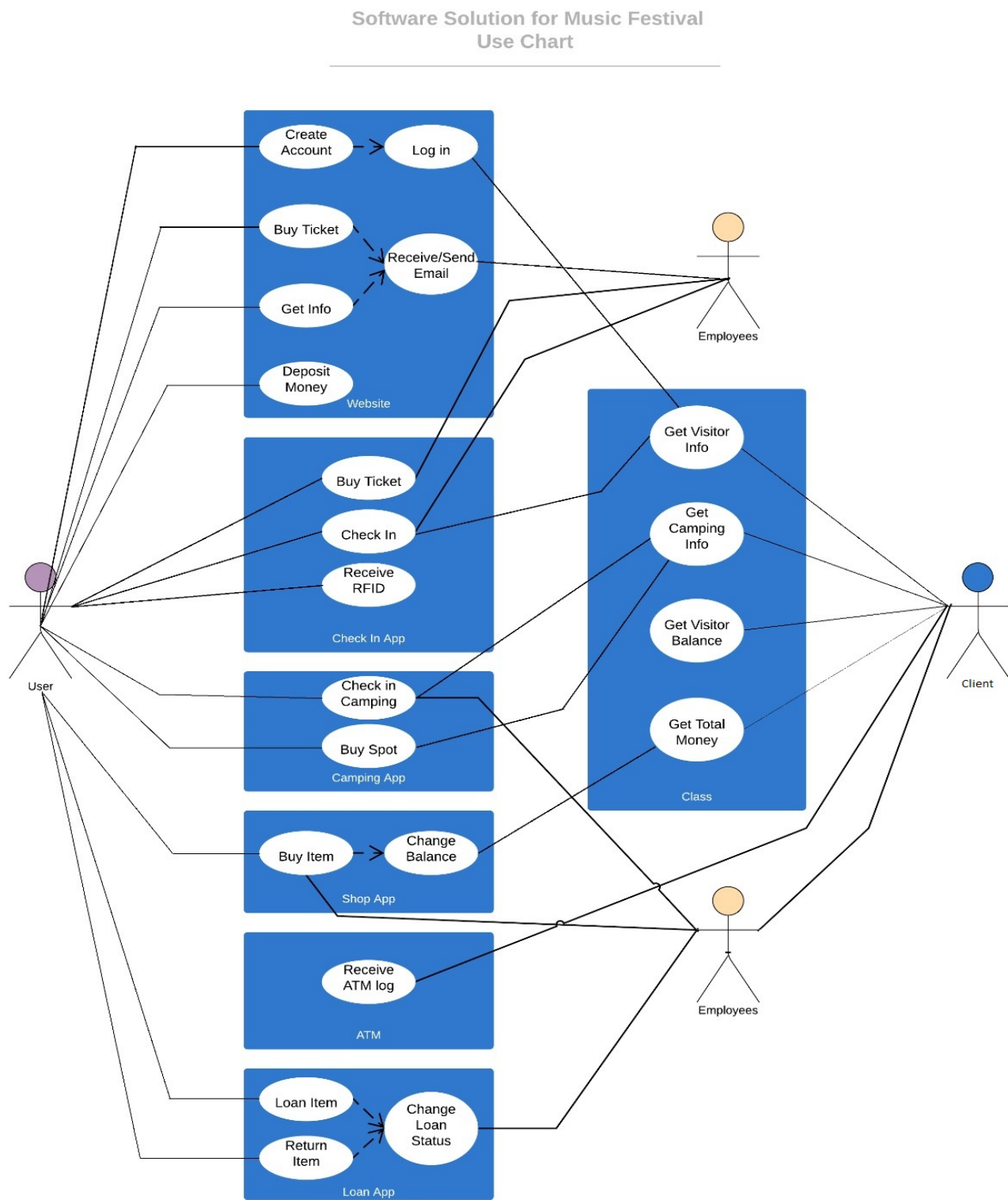
The deliverable	Purpose	Features (MoSCoW method)
<b>Application 6: ATM Log application</b>	Update the event account of the visitors according to the log file	<ul style="list-style-type: none"> <li>❖ <b>Must have:</b></li> <li>❖ <b>Should have</b> <ul style="list-style-type: none"> <li>➤ Optimal way to update the database</li> </ul> </li> <li>❖ <b>Could have:</b></li> <li>❖ <b>Would have:</b></li> </ul>

The deliverable	Purpose	Features (MoSCoW method)
<b>Database</b>	Supporting all the applications and the website	<ul style="list-style-type: none"> <li>❖ <b>Must have:</b> <ul style="list-style-type: none"> <li>➤ Optimized database</li> </ul> </li> <li>❖ <b>Should have:</b> <ul style="list-style-type: none"> <li>➤ Covers all the requirements</li> </ul> </li> <li>❖ <b>Could have:</b> —</li> <li>❖ <b>Won't have:</b> —</li> </ul>

The deliverable	Purpose	Features (MoSCoW method)
<b>Process flow documentation</b>	Showing all the steps to perform specific tasks in the applications	<ul style="list-style-type: none"> <li>❖ <b>Must have:</b> <ul style="list-style-type: none"> <li>➤ Clear graphical view on all the step the visitor can take to perform actions in the applications</li> </ul> </li> <li>❖ <b>Should have:</b> —</li> <li>❖ <b>Could have:</b> —</li> <li>❖ <b>Won't have:</b></li> </ul>

## 2 Processes

### 2.1 Use Case Chart





### 3 Functional Requirements

In the table below all the deliverables are listed in the column Application, and the functional requirements to the deliverables are sorted using the MoSCoW method.

Application	Must Have	Should have	Could have	Won't have
<b>Website</b>	<ul style="list-style-type: none"> <li>❖ Customer registration (giving the customer unique ID number and BARCODE which will be used for getting in the Event)</li> <li>❖ Information about the event</li> <li>❖ Ticket purchasing</li> <li>❖ Camping spot reservation for groups (max 6 people)</li> <li>❖ Deposit money in account after ticket purchasing</li> </ul>	<ul style="list-style-type: none"> <li>❖ Admin page</li> <li>❖ Responsive design</li> </ul>	<ul style="list-style-type: none"> <li>❖ Separate mobile app</li> <li>❖ User review page</li> </ul>	

Application	Must Have	Should have	Could have	Won't have
<b>Application that checks visitors in and out of the event</b>	<ul style="list-style-type: none"> <li>❖ Check if the user is allowed to enter</li> <li>❖ Sell tickets on entrance with increased price When visitor leaves, check the balance of his account and loaned materials</li> <li>❖ When visitor leaves, mark his account as invalid</li> </ul>		Security password	User manual

Application	Must Have	Should have	Could have	Won't have
Application that checks visitors in and out of the camping	<ul style="list-style-type: none"> <li>❖ Check if the user is allowed to enter</li> <li>❖ Check if the user has purchased a ticket</li> <li>❖ If user didn't pay for the spot, he can pay with additional fee</li> </ul>		Security password	User manual

Application	Must Have	Should have	Could have	Won't have
Application that manages ATM stands	<ul style="list-style-type: none"> <li>❖ Depositing money in account</li> </ul>	<ul style="list-style-type: none"> <li>❖ Delivering log files with information about the deposits</li> </ul>	Security password	<ul style="list-style-type: none"> <li>❖ Withdrawing money from the account before client leaves the event</li> <li>❖ User manual</li> </ul>

Application	Must Have	Should have	Could have	Won't have
Application that supports the shops (food/drinks/souvenirs)	<ul style="list-style-type: none"> <li>❖ Visitor uses his RFID Chip to pay or his User ID, money is taken from his account</li> </ul>	<ul style="list-style-type: none"> <li>❖ Application generates a receipt for the visitor</li> </ul>	Security password	User manual

Application	Must Have	Should have	Could have	Won't have
Application that supports the loan stands	Visitor uses his RFID Chip to pay or his User ID to pay, money is taken from his account	<ul style="list-style-type: none"> <li>❖ Application generates a receipt for the visitor</li> </ul>	Security password	User manual

Application	Must Have	Should have	Could have	Won't have
An application that allows the organization to get a clear status overview of the event	<ul style="list-style-type: none"> <li>❖ Camping statistics (booked and free spots)</li> <li>❖ Visitor status and history</li> <li>❖ Amount of visitors present on the event</li> <li>❖ Amount of visitors that attended the Event</li> </ul>	<ul style="list-style-type: none"> <li>❖ Overview of the total balance of all visitors and the total money spent</li> <li>❖ Total money gathered from stands</li> </ul>	<ul style="list-style-type: none"> <li>❖ Total amount of a certain product sold</li> <li>❖ Security password</li> </ul>	User manual

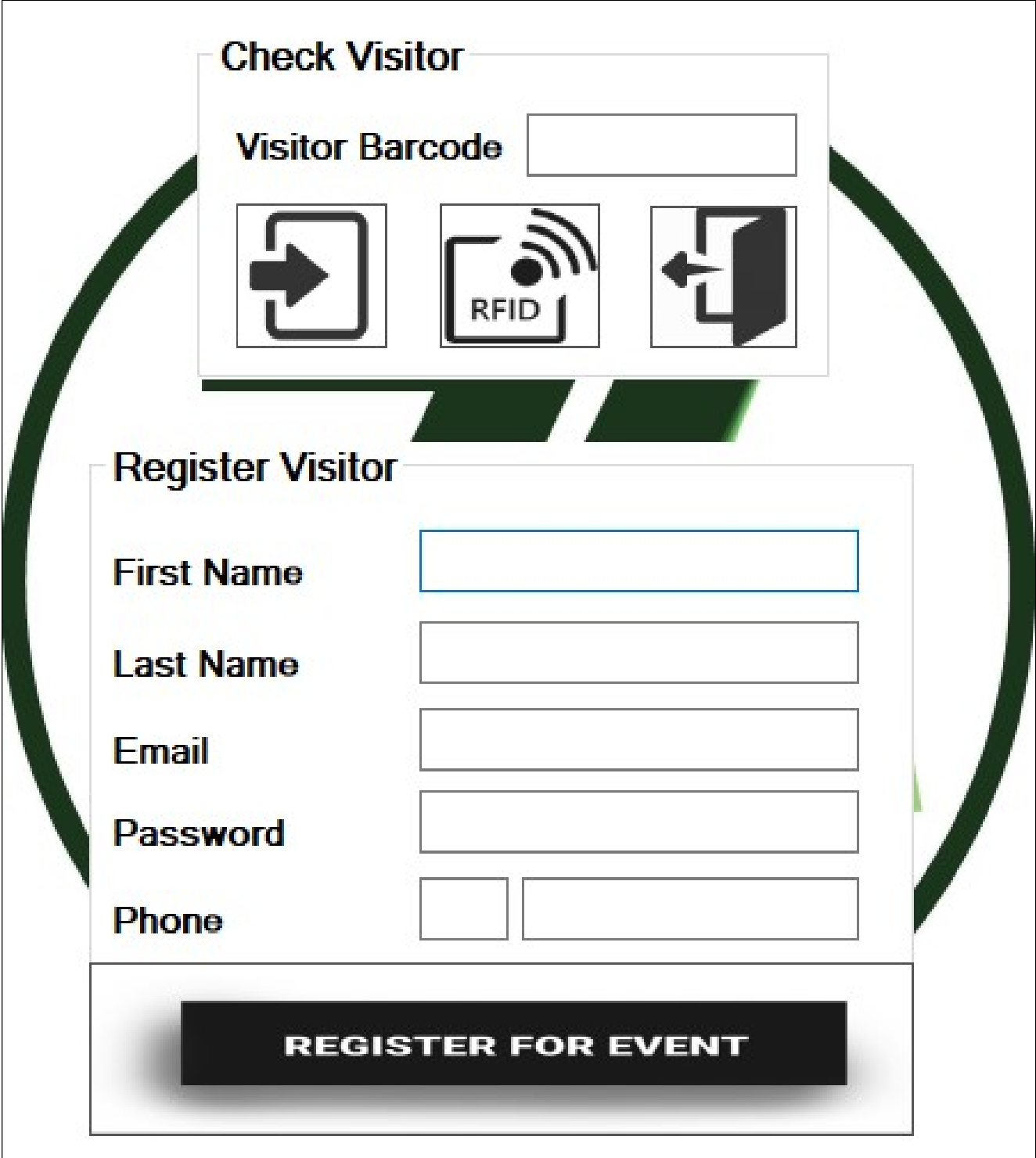
Application	Must Have	Should have	Could have	Won't have
An application to update the event account of the visitors according to the log file		<ul style="list-style-type: none"> <li>❖ Optimal simple way to update the database</li> </ul>		

Application	Must Have	Should have	Could have	Won't have
A database supporting all the applications	<ul style="list-style-type: none"> <li>❖ Optimized database</li> </ul>	<ul style="list-style-type: none"> <li>❖ Database covers all the requirements</li> </ul>		

Application	Must Have	Should have	Could have	Won't have
Flow documentation	<ul style="list-style-type: none"> <li>❖ Clear graphical view on all the step the visitor has to take to perform actions in the applications</li> </ul>	<ul style="list-style-type: none"> <li>❖ Database covers all the requirements</li> </ul>		




## 4 GUI

### 4.1 Check - In and Out Application



#### Check Visitor

Visitor Barcode



#### Register Visitor

First Name

Last Name

Email

Password


Phone

**REGISTER FOR EVENT**


## 4.2 Camping Application

Check Visitor

Visitor RFID



STATUS



Visitor Status

Register Camping Group

Paying

☒ Visitor1 RFID

☐ Visitor2 RFID

☐ Visitor3 RFID

☐ Visitor4 RFID

☐ Visitor5 RFID

☐ Visitor6 RFID

Camping Spots

1

2

3

4

5

6

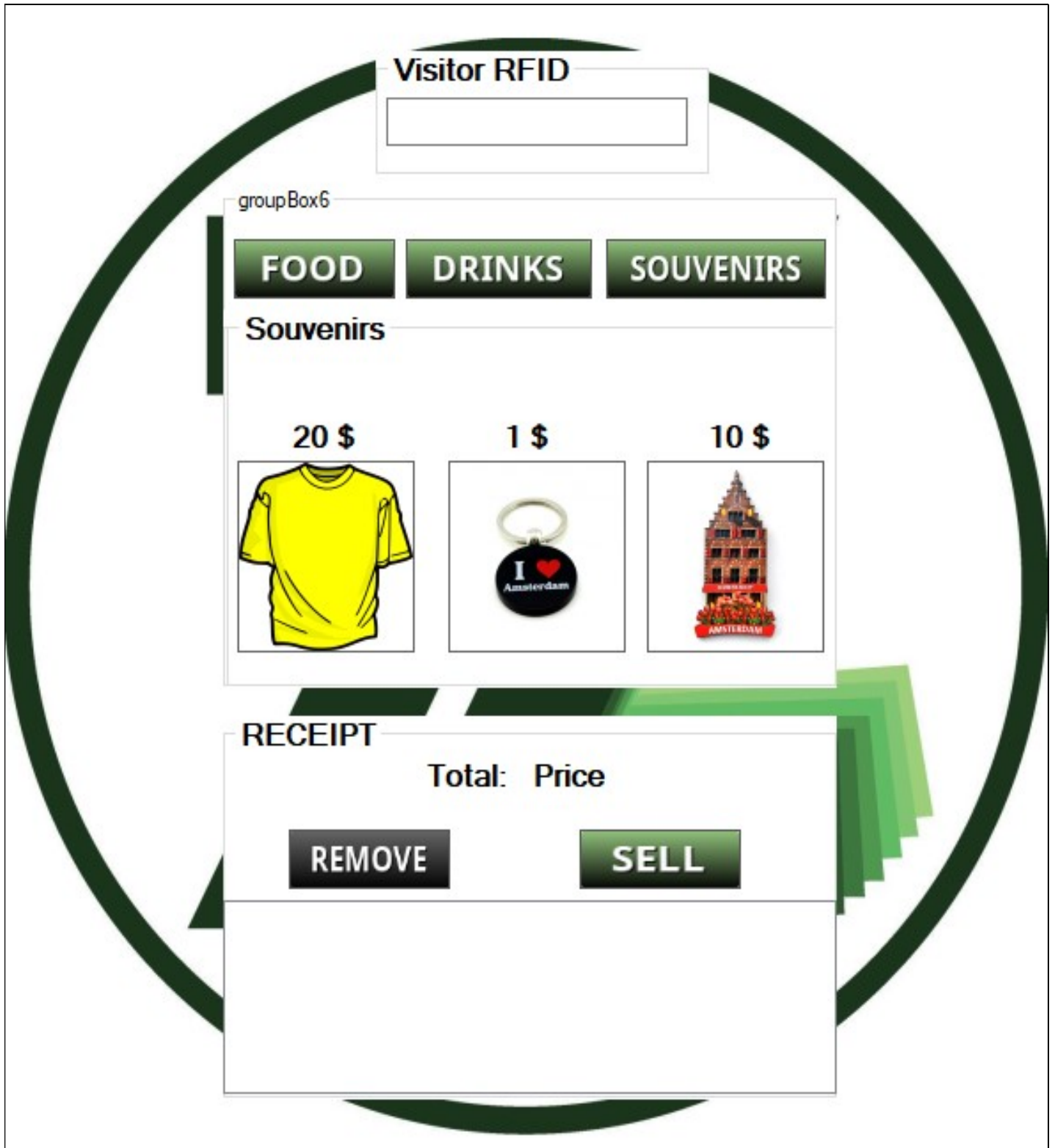
7

8

Check Availability >>

REGISTER FOR EVENT





### 4.3 Shop Application



#### 4.4 Loan Stand Application

**Visitor RFID**

**Products**

5\$ 	20\$ 	10\$ 	10\$ 
--	---	--	---

**Receipt**

Total:	Price
<b>REMOVE</b>	<b>LOAN</b>

**Return Item**

Damaged ?

**YES** **NO** **RETURN**

Type the problem here

#### 4.5 ATM Stand Application

**Visitor RFID**

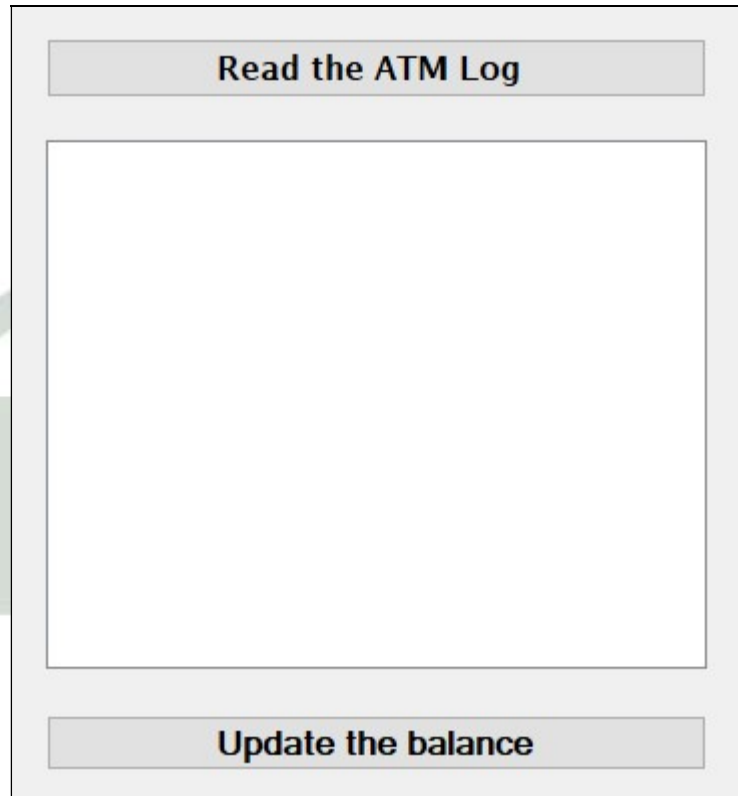
**ATM**

How much you want to add in to your account?

<b>10 \$</b>	<b>20 \$</b>
<b>50 \$</b>	<b>100 \$</b>

**Other amount:**  **Add**

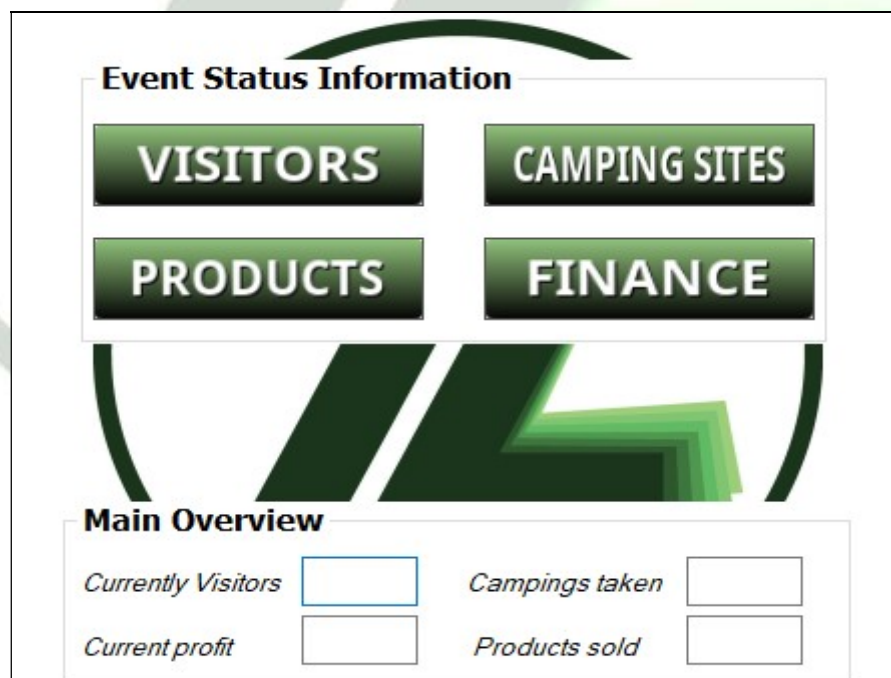
## 4.6 ATM Log Reader Application



The interface for the ATM Log Reader Application consists of a light gray rectangular frame. At the top, there is a button labeled "Read the ATM Log". Below this button is a large, empty white rectangular area, likely intended for displaying log data. At the bottom of the frame, there is another button labeled "Update the balance".

## 4.7 Admin Panel

### Main Admin Panel



The Main Admin Panel interface is divided into two main sections. The top section, titled "Event Status Information", contains four green buttons with white text: "VISITORS", "CAMPING SITES", "PRODUCTS", and "FINANCE". Below this section is a large, stylized green graphic that resembles a stylized letter 'L' or a series of stacked bars. The bottom section, titled "Main Overview", contains four input fields arranged in a 2x2 grid. The labels for these fields are "Currently Visitors", "Campings taken", "Current profit", and "Products sold".

Main Overview			
Currently Visitors	<input type="text"/>	Campings taken	<input type="text"/>
Current profit	<input type="text"/>	Products sold	<input type="text"/>



## Visitors Overview

### Visitors Event Overview

**Visitors Statistic**  
*Registered Visitors* **NR**  
*Presented Visitors* **NR**

**Visitor Information**  
*Visitor ID:*  
  
**STATUS**

*Visitor Status:*  
*Visitor History:*

## Camping Sites Overview

### Campings Overview

**Campings Statistics**  
*Number of Campings Booked* **NR**  
*Number of Free Spots* **NR**

**Camping Information**  
*Camping Number*   
**STATUS**

*Camping Status*  
*Camping Info*

## Products Overview

### Products Overview

#### Bought Products

Product:  **STATUS**

Amount sold: NR

Amount earned: NR

#### Loaned Products

Product:  **STATUS**

Quantity loaned: NR

Amount earned: NR

## Financial Overview

### Financial Overview

#### Visitors Financial Overview

Current balance of all visitors

Total balance of all visitors

Total money spent

#### Camping Financial Overview

Total camping sites taken

Total amount earned

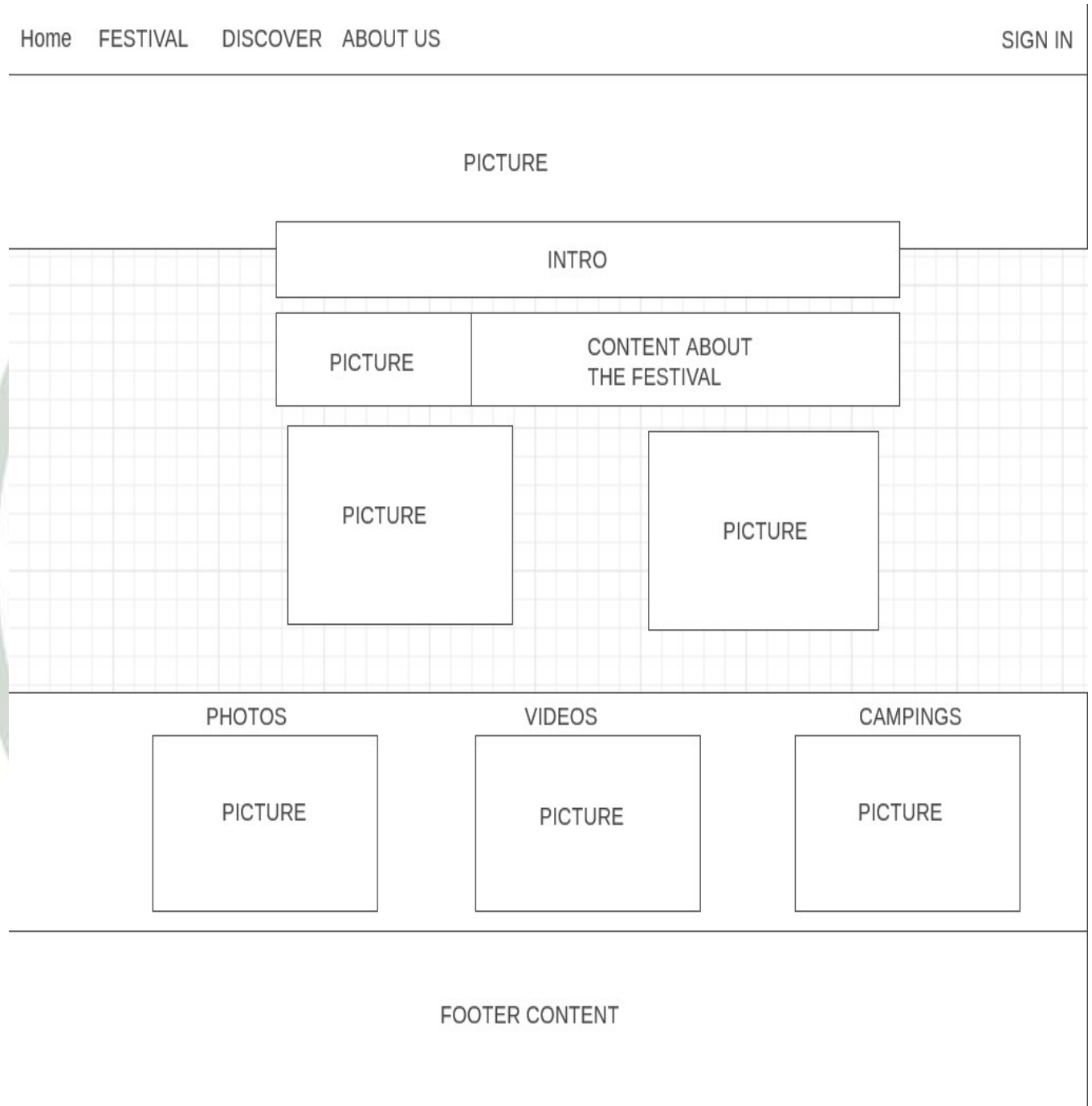
#### Stands Financial Overview

Total amount earned

Amount of product sold or loaned

## 5 Website Wireframe

### Home Page



# FESTIVAL PAGE

## FESTIVAL - Welcome

Home FESTIVAL DISCOVER ABOUT US

SIGN IN

FESTIVAL

CAMPINGS

Welcome

Tickets

Line-up

Trailer

PICTURE

PICTURE

Text  
information

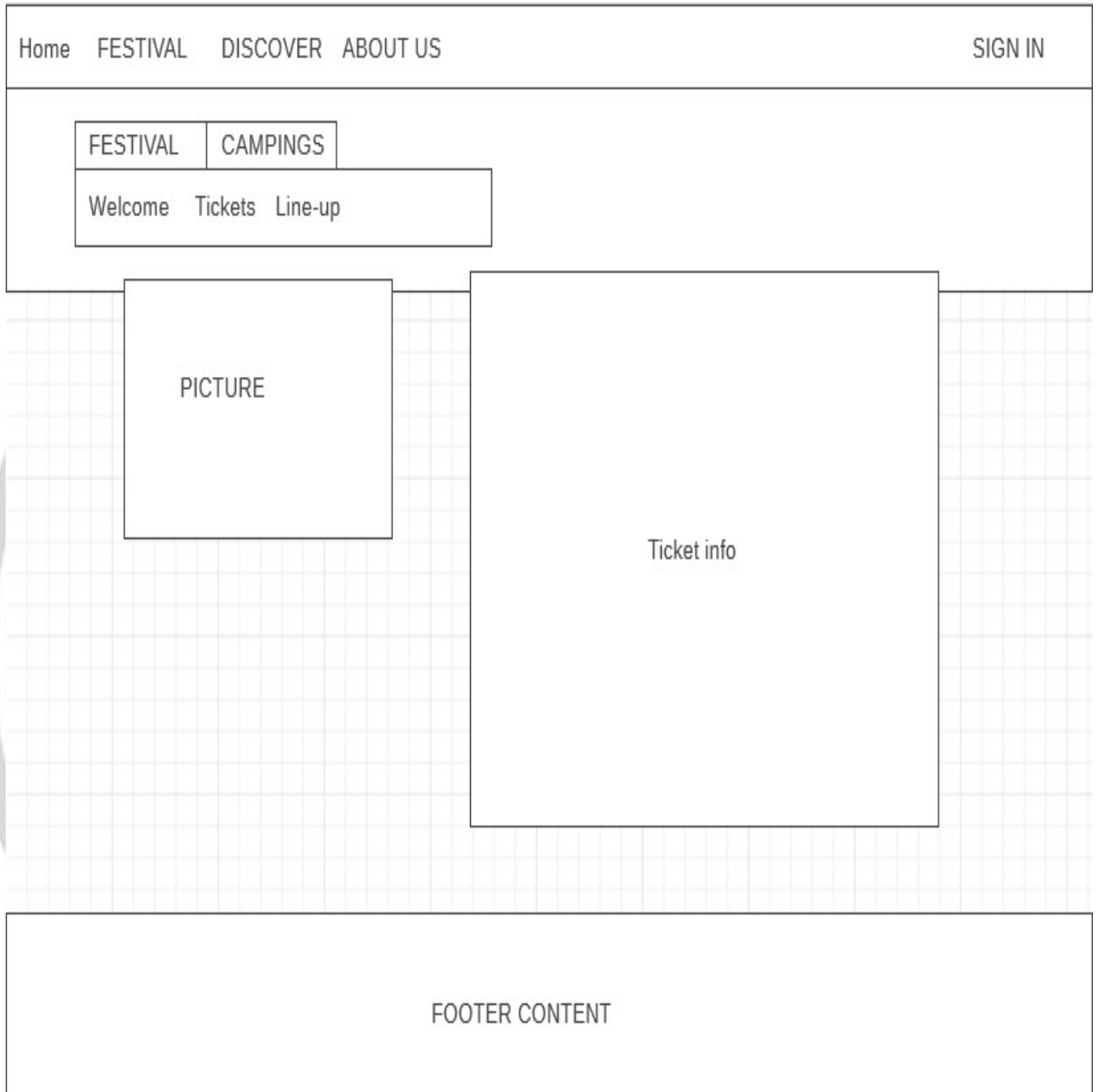
Content

Content

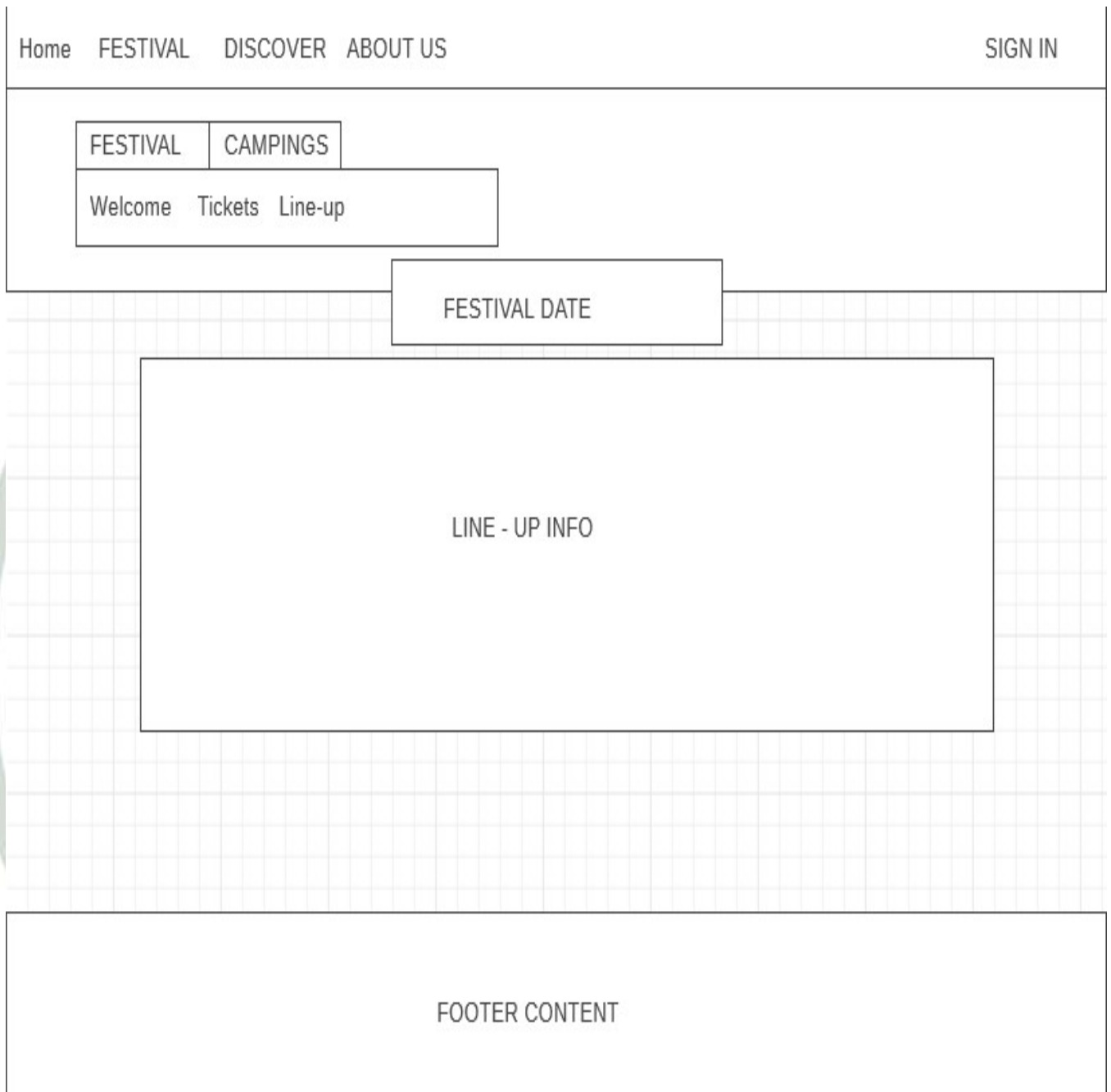
PREVIOUS YEAR  
PHOTOS AND INFO

FOOTER CONTENT

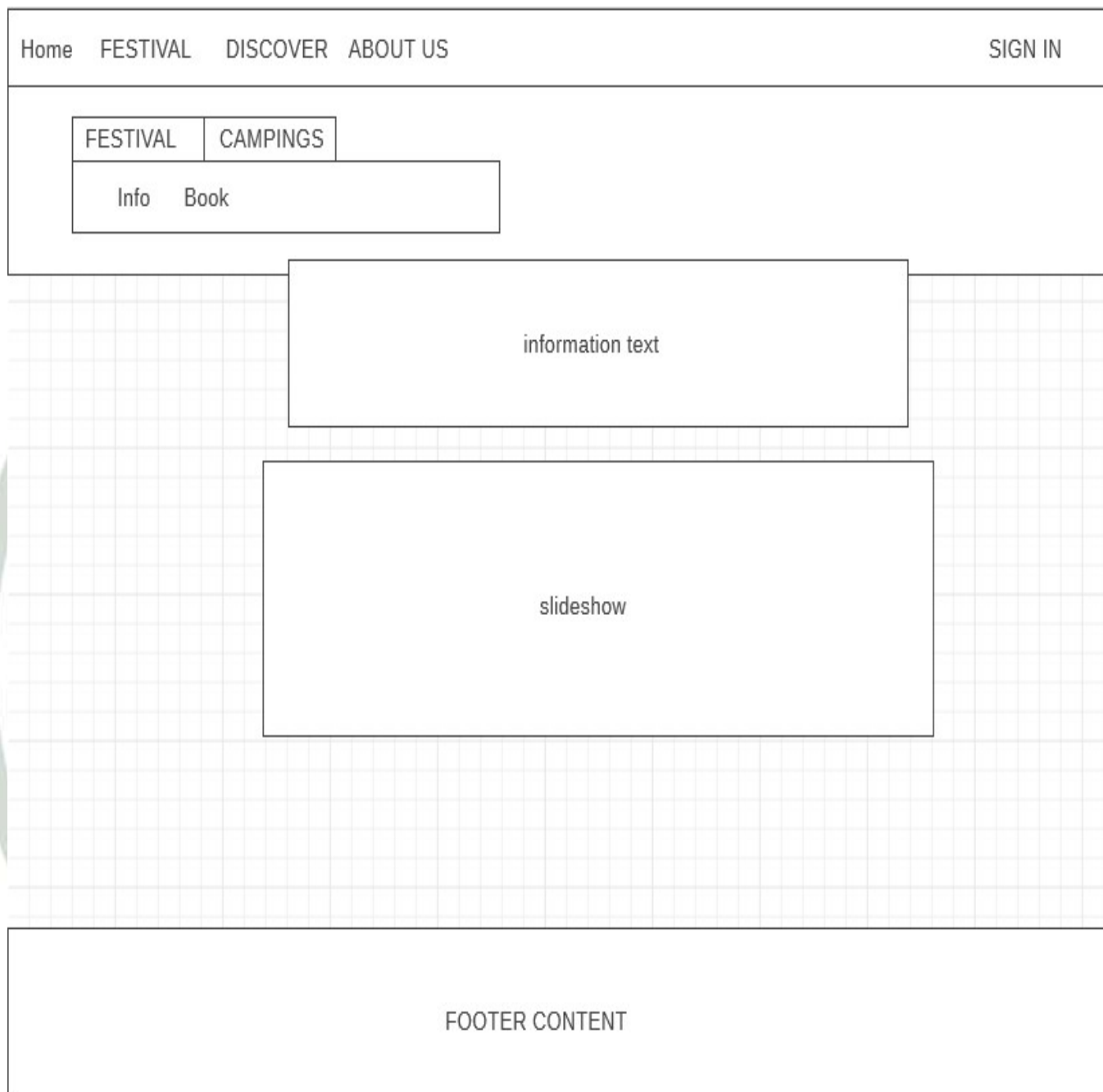
## FESTIVAL-Tickets



## FESTIVAL-Line-up



## CAMPINGS-Info



# CAMPINGS-Book

Home	FESTIVAL	DISCOVER	ABOUT US	SIGN IN
------	----------	----------	----------	---------

FESTIVAL

CAMPINGS

Info

Book

booking form

FOOTER CONTENT



# DISCOVER PAGE

## Video

Home FESTIVAL DISCOVER ABOUT US

SIGN IN

Video Photo Festivals

Content for every festival that happened

FOOTER CONTENT

## Photo

Home FESTIVAL DISCOVER ABOUT US

SIGN IN

Video Photo Festivals

Photos from all of the festivals

FOOTER CONTENT

## Festivals

Home FESTIVAL DISCOVER ABOUT US

SIGN IN

Video Photo Festivals

Content for every festival that happened

FOOTER CONTENT

# ABOUT US PAGE

Home FESTIVAL DISCOVER ABOUT US

SIGN IN

PICTURE

The name of the company

Info about our company and contact information

FOOTER CONTENT

# SIGN IN PAGE

Home FESTIVAL DISCOVER ABOUT US

SIGN IN

PICTURE

TEXT

Email

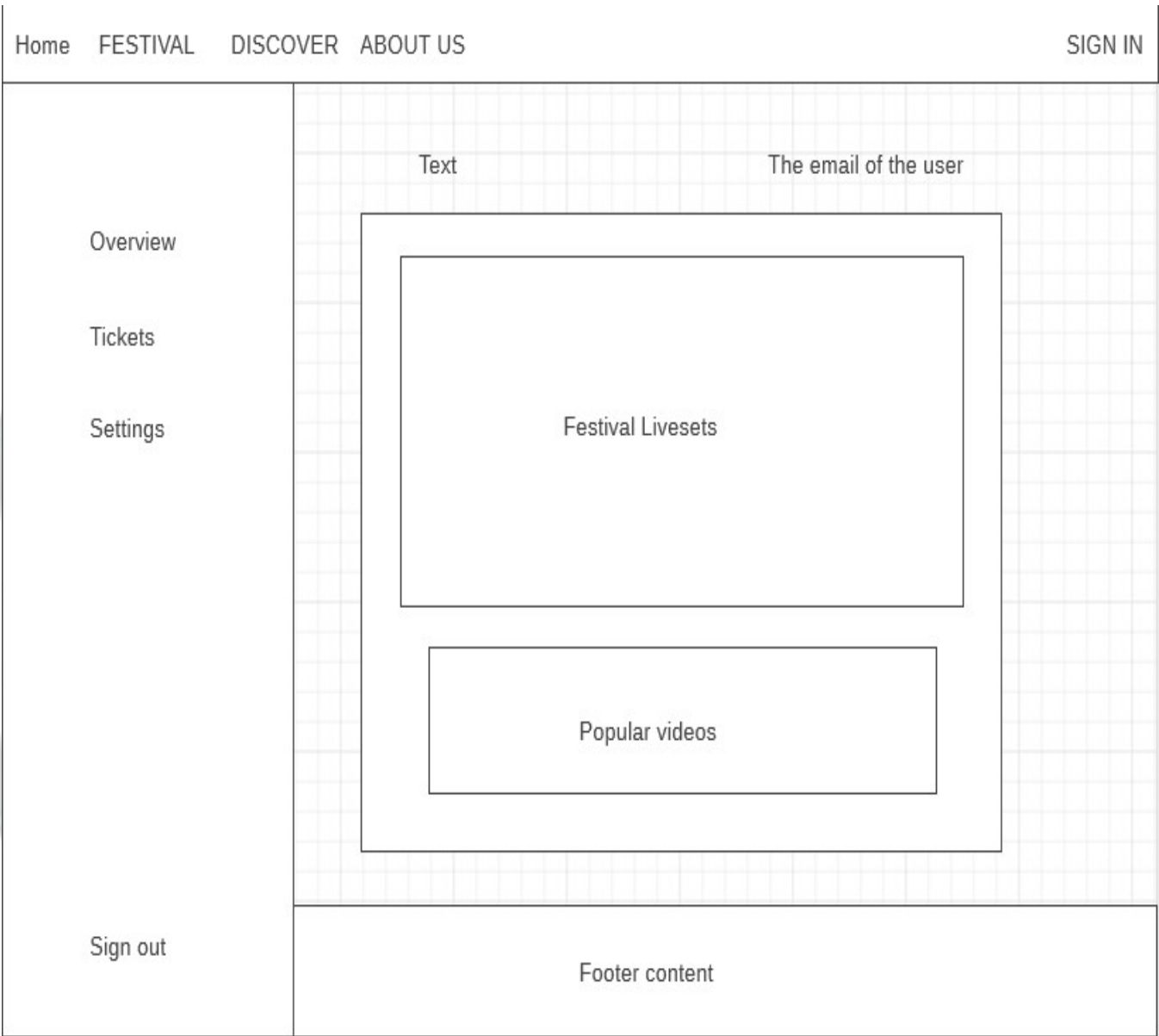
Password

SIGN IN

Dont have an account yet?

# Account Page

## Account Overview



## Account Tickets

Home FESTIVAL DISCOVER ABOUT US

SIGN IN

Overview

Tickets

Settings

Sign out

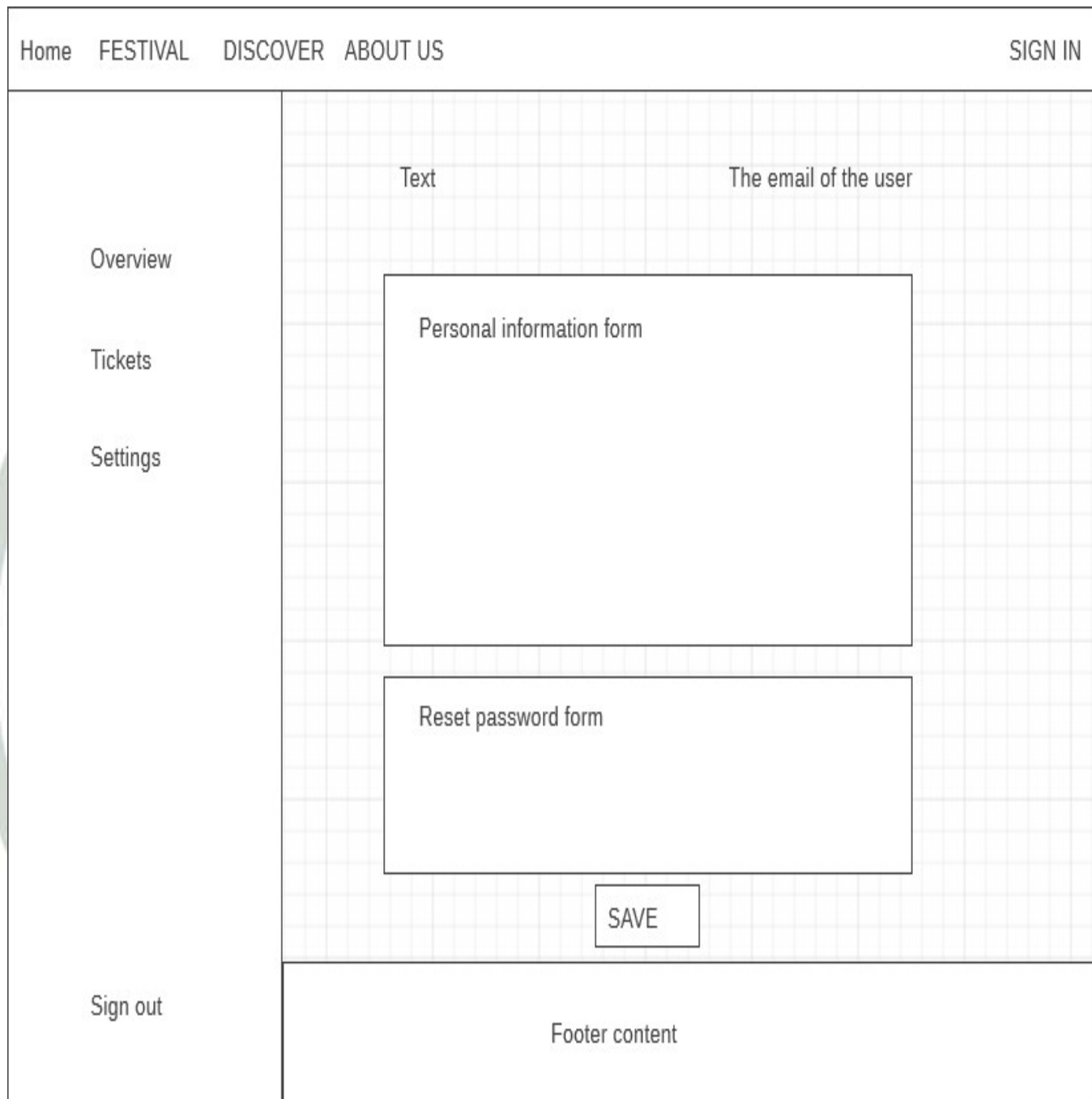
Text

The email of the user

The tickets of the user

Footer content

## Account Settings





## Create Account Page

PICTURE

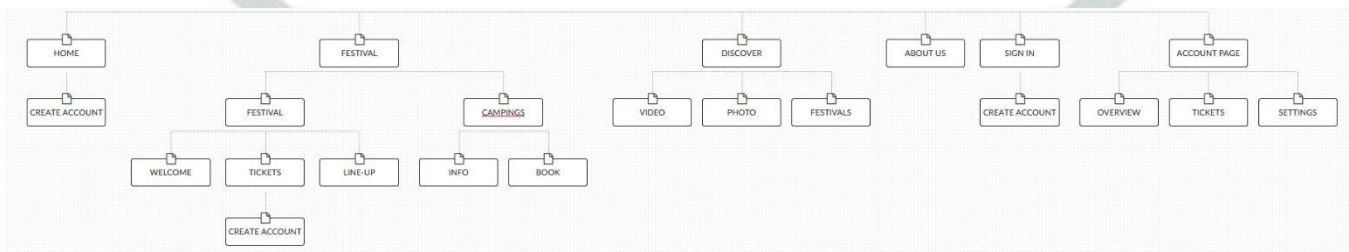
TEXT

Create Account Form

Create Account


### 5.1 Visual Design and Site Map:

## SITE MAP



# HOME PAGE

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### International Music Festival

March 2019 - Amsterdam, Netherlands

Enjoy your trip around the most majestic city in Netherlands

[FESTIVAL MAP](#)




### Purchase Tickets


[Pleasure Day Pass](#) [Comfort Day Pass](#)

You can buy your weekend tickets by clicking the button below and you can choose between "Regular" and "VIP" ticket.

[BUY TICKETS](#)



INTERNATIONAL MUSIC FESTIVAL 2018(AFTERMOVIE)



ALL INFO  
INTERNATIONAL MUSIC FESTIVAL 2019

Experience our festival during the most magical season of the year... Spring Discover one of the most beautiful and majestic city in the world - Amsterdam and also enjoy one of the biggest festivals in the world for a weekend

Unite with more than 10 000 People from all over the world, guided by the Amsterdam's magic. Live Today, Love Tomorrow, Unite Forever

INTERNATIONAL MUSIC FESTIVAL

15 MARCH 2019


AMSTERDAM, NETHERLANDS


UNFORGETTABLE WEEKEND IN AMSTERDAM


15-17 MARCH 2019

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Videos  
Festivals



2019 INTERNATIONAL MUSIC FESTIVAL [f](#) [@](#) [t](#)

# Festival

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[Festival](#) [Campings](#)

[Welcome](#) [Tickets](#) [Line-up](#)



INTERNATIONAL MUSIC FESTIVAL 2019


Trailer



FESTIVAL

Enter a fascinating story to be written during a weekend of love and unity.

WATCH



CAMPINGS

A vibrant city that welcomes tens of thousands of festival visitors after an exuberant day at the festival.

MORE INFO

We believe ..


in enjoying life to the fullest without having to compromise everything. We are responsible for the generation of tomorrow and respect each other and Mother Nature.

# 2018

2018

Bulgaria, Sofia

In 2018 a magical gathering of the People of the International Music Festival took place during 2 weekends. On June 14-15-16 and June 21-22-23 more than 400.000 friends discover Sofia. A show that is seldom seen, a gathering of talents that left you in wonder.



1/3

< >

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Line-up  
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Videos  
Festivals

2019 INTERNATIONAL MUSIC FESTIVAL [f](#) [@](#) [t](#)



## Create Account Page



### Your Festival Account

#### International Festival User Account Registration

By creating a Festival Account, you will stay up-to-date with all related news. You can change your personal settings at any time once signed in to your account.

##### ACCOUNT DETAILS

EMAIL ADDRESS

PASSWORD

CONFIRM PASSWORD

##### YOUR DETAILS

FIRST NAME

ADDRESS

STREET

NUMBER



POSTAL CODE

CITY

NATIONALITY

MOBILE NUMBER

DATE OF BIRTH

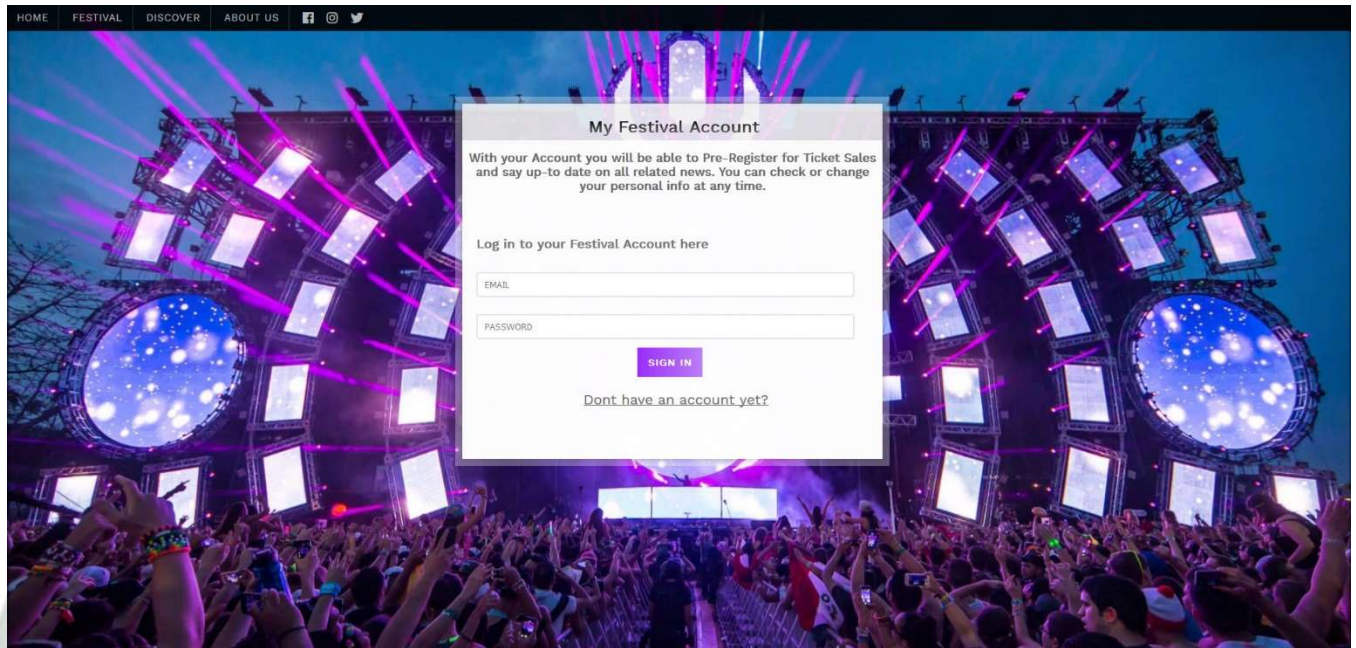
mm/dd/yyyy

GENDER

- ☒ Male  
☐ Female  
☐ Other

CREATE ACCOUNT

# Sign In



## 6 ERD Diagram

