Setup Document

Of

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Agreements - made with the client

We agreed on the following deliverables with our client Postma,André A. who is the organizer of the cultural event:

- **1 website**
  - ❏ It will display nicely on a laptop but also on a mobile phone.
- 7 **applications**
  - ❏ An application to check-in and check-out for the event
  - ❏ An application for check-in and check-out for campsite
  - ❏ An application for the shops
  - ❏ An application for loan stands
  - ❏ An application for reservation
  - ❏ An application for the ATM machine
  - ❏ An application for status information which is only for the manager use.

Processes

Use cases - applications

Name: Event Check In

ID: UC01

Actor: Employee

Precondition: Actor opens the “Check-IN AND Check-OUT Application”.

Main success scenario:

1. Actor selects “Check In” .
2. Actor scans the RFID chip of the visitor and the listbox shows the result (Success with green background and Fail with red background).
3. Actor checks the result in the listbox and decide if the visitor can go inside or not.

Exceptions:

1a. “Check In” is not selected.

1. Use case ends.

2a.RFID is not valid.

1. Use case ends.

2b. The result is not shown in the listbox.

1. Use case ends.

Postcondition:

Event Check In is successful.

Name: Event Check Out

ID: UC02

Actor: Employee

Precondition: Actor opens the “Check-IN AND Check-OUT Application” .

Main success scenario:

1. Actor selects “Check Out”.
2. Actor scans the RFID chip of the visitor and the listbox shows the result (Success with green background and Fail with red background)
3. Actor checks the result in the listbox and decide if the visitor can go outside or not.

Exceptions:

1a. “Check Out” is not selected.

1. Use case ends.

2a.RFID is not valid.

1. Use case ends.

2b. The result is not shown in the listbox.

1. Use case ends.

Postcondition:

Event Check Out is successful.

Name: Camping Check In

ID: UC03

Actor: Employee

Precondition: Actor opens the “Check-IN Check-OUT Camping” application.

Main success scenario:

4. Actor selects “Check In” .
5. Actor scans the RFID chip of the visitor and the listbox shows the result (Success with green background and Fail with red background).
6. Actor checks the result in the listbox and decide if the visitor can go inside or not.

Exceptions:

1a. “Check In” is not selected.

1. Use case ends.

2a.RFID is not valid.

1. Use case ends.

2b. The result is not shown in the listbox.

1. Use case ends.

Postcondition:

Camping Check In is successful.

Name: Camping Check Out

ID: UC04

Actor: Employee

Precondition: Actor opens the “Check-IN Check-OUT Camping” application.

Main success scenario:

4. Actor selects “Check Out”.
5. Actor scans the RFID chip of the visitor and the listbox shows the result (Success with green background and Fail with red background)
6. Actor checks the result in the listbox and decide if the visitor can go outside or not.

Exceptions:

1a. “Check Out” is not selected.

1. Use case ends.

2a.RFID is not valid.

1. Use case ends.

2b. The result is not shown in the listbox.

1. Use case ends.

Postcondition:

Camping Check Out is successful.

Name: Reserve A Camping Site

ID: UC05

Actor: Employee

Precondition: Actor opens the “The European Cultural Event” application.

Main success scenario:

1. Actor scans the RFID chip of the visitor(visitors can be multiple) and the listbox shows the visitor’s information.
2. Actor checks the visitor’s information in the listbox (personal information, camping site state, etc.).
3. Actor asks for number of night and select the right date.
4. Actor asks for number of persons and the location preference, clicks the right camping spot number on the map.
5. Actor checks all information(name, date, camping spot number, camping spot number type and price) with the visitors and when the visitors confirm, actor clicks “Make a reservation” button. If the visitors do not confirm, then actor clicks “clear” button.

Exceptions:

1a. RFID is not valid.

1. Use case ends.

2a. Visitor’s information is mismatched with the visitor.

1. Use case ends.

3a. No date of camping spot is selected.

1. Use case ends.

4a. No camping site number is clicked on the map.

1. Use case ends.

4b. Unavailable camping site number (with red color) is clicked on the map.

1. Use case ends.

5a. The visitor do not confirm the reservation.

1. Use case ends.

5b. “Make a reservation” button is not clicked.

1. Use case ends.

5c. There is not enough balance in the account.

1. Use case ends.

5c. The visitor has already reserved a camping site.

1. Use case ends.

Postcondition:

Reserving A Camping is successful.

Name: Order Food/ Drinks

ID: UC06

Actor: Employee

Precondition: Actor opens the “The European Cultural Event Food Shop Application” .

Main success scenario:

1. Actor clicks “Foods”/“Drinks”.
2. Actor checks the visitor’s food/drinks and clicks right image.
3. Actor checks the quantity of visitor’s food/drinks and selects the right “Quantity” in the pop window.
4. Actor clicks “OK” button.
5. Actor clicks “Payment” and checks all products in the list
    a. Actor selects the item in the list and clicks “remove” button to delete specific wrong item
    b. Actor clicks “clear” button to delete all items in the list
6. Actor clicks “proceed to pay” button
7. Actor scans the the RFID chip of the visitor.

Exceptions:

1a. No “Foods”/ “Drinks”page is selected.

1. Use case ends.

2a. No food image is selected.

1. Use case ends.

3a. “Quantity” goes “0”.

1. Use case ends.

4a. “Cancel button” is selected.

1. Use case ends.

5a. “Payment” is not clicked.

1. Use case ends.

5b. No item in the list.

1. Use case ends.

6a. “proceed to pay” button is not selected.

1. Use case ends.

7a. RFID is not valid.

1. Use case ends.

7a. There is not enough balance in the account.

1. Use case ends.

Postcondition:

Food/ Drinks Order is successful.

Name: Loan products

ID: UC07

Actor: Employee

Precondition: Actor opens the “The European Cultural Festival - Loan Department” .

Main success scenario:

1. Actor clicks “Browse” and goes to the products page.
2. Actor asks for the visitor’s requirement and clicks the right image.
3. Actor checks the name, deposit and stock information and clicks “Continue” button in the pop window.
4. Actor clicks “Loan” and goes to the loan list page.
5. Actor checks the loan item and checks all products in the list
    a. Actor selects the item in the list and clicks “remove” button to delete specific wrong item
    b. Actor clicks “clear” button to delete all items in the list
6. Actor clicks “Checkout” button.
7. Actor scans the visitor’s RFID chip and a pop window shows the visitor’s information.
8. Actor checks the visitor’s information and clicks “Continue” button.
9. Actor clicks “Checkout” again and it shows borrowed successfully.

Exceptions:

1a. “Browse” page is not clicked.

1. Use case ends.

2a. No image is clicked.

1. Use case ends.

3a. Button “Continue” in the pop window is not clicked.

1. Use case ends.

3b. Button “Cancel” in the pop window is clicked.

1. Use case ends.

4a. “Loan” page is not clicked.

2. Use case ends.

5a. No item is on the list.

1. Use case ends.

6a. “Checkout” button is not clicked.

1. Use case ends.

7a. RFID is not scanned.

1. Use case ends.

8a. There is not enough balance in the account.

1. Use case ends.

8b. Button “Continue” is not clicked.

1. Use case ends.

9a. Button “Checkout” is not clicked.

1. Use case ends.

Postcondition:

Loan products is successful.

Name: Return products

ID: UC08

Actor: Employee

Precondition: Actor opens the “The European Cultural Festival - Loan Department” .

Main success scenario:

1. Actor clicks “Return” and goes to the return page.
2. Actor scans the visitor’s RFID.
3. Actor checks the visitor’s information and clicks “Continue” button in the pop window.
4. Actor clicks “Show” button and the loan item will be in the list with product id, name, start date and deposit.
5. Actor checks checks all loan items in the list if they are damaged or not
    a. If one item is damaged, Actor selects the specific item line and selects “Damaged”. Also, actor writes the description in the description text box.
    b. If one item is not damaged, Actor selects the specific item line and selects “Undamaged”
6. Actor clicks “Checkout” button and it shows successfully returned.

Exceptions:

1a. “Return” page is not clicked.

1. Use case ends.

2a. RFID is not scanned.

1. Use case ends.

3a. Button “Continue” in the pop window is not clicked.

1. Use case ends.

3b. The information is not right.

1. Use case ends.

4a. Button “Show” is not clicked.

1. Use case ends.

5a. No item is on the list.

1. Use case ends.

5b. No “Undamaged”/”Damaged” is selected.

1. Use case ends.

6a. Button “Checkout” is not clicked.

1. Use case ends.

Postcondition:

Returning products is successful.

Name: Check Event Status

ID: UC09

Actor: Manager

Precondition: Actor opens the “Event Status Application” .

Main success scenario:

1. Actor clicks “Current Status Overall” to see how the festival is going(the number of visitors goes in and out, the number of loan quantities and stock, the number of shop sale and stock, the number of camping site checks in and out and available quantity of camping sites, etc.).
2. Actor clicks “Total Visitors”. Then the number of total visitors and the number of visitors who are currently checked in will be shown in the listbox.
3. Actor clicks “Total Balance of Visitors” and the number of total balance of visitors will be shown in the listbox.
4. Actor clicks “Total Spent Money” and the the amount of money earned in food & drinks shop and in loan shop will be shown in the listbox.

5. Actor clicks “Camping Status” and it shows the current status (green means available and red means unavailable) of camping site on the map which is clear to the different sites locations and ids.

Exceptions:

1-5. No button is clicked.

1. Use case ends.

Postcondition:

Check Event Status is successful.

Name: Check ATM Log

ID: UC010

Actor: Employee

Precondition: Actor opens the “Log Application” .

Main success scenario:

1. Actor clicks “Show Log” button.
2. Actor selects the right path and open the log file.

Exceptions:

1a. No button is clicked.

1. Use case ends.

2a. Path is not correct.

1. Use case ends.

Postcondition:

Check ATM Log is successful.

Use cases - website

Name: Enter Homepage

ID: UC01

Actor: Visitor

Precondition: Actor goes into the website of the event.

Main success scenario:

1. Actor clicks “ABOUT THE EVENT” button.

Exceptions:

1a. Actor clicks the texts or the picture except the button.

1. Use case ends.

Postcondition:

Enter Homepage is successful.

Name: Get Tickets Without Camping Site

ID: UC02

Actor: Visitor

Precondition: Actor goes into the homepage of the website.

Main success scenario:

1. Actor clicks “BUY TICKETS” button.
2. Actor selects a ticket and click “GET A TICKET” button under the ticket.
3. Actor clicks “NO” button in the message box of asking for “Do you want to reserve a camping spot?”.

Exceptions:

1a. Actor clicks “ABOUT” in the homepage.

1. Use case ends.

1b. Actor clicks “TICKETS” in the homepage.

1. Use case ends.

1c. Actor clicks “ACCOUNT” in the homepage.

1. Use case ends.

3a. Actor clicks “YES” in the page of asking for “Do you want to reserve a camping spot?”.

1. Use case ends.

Postcondition:

Get Tickets Without Camping Site is successful.

Name: Get Tickets With Camping Site

ID: UC03

Actor: Visitor

Precondition: Actor goes into the homepage of the website.

Main success scenario:

1. Actor clicks “BUY TICKETS” button.
2. Actor selects a ticket and click “GET A TICKET” button under the ticket.
3. Actor clicks “YES” button in the message box of asking for “Do you want to reserve a camping spot?”.
4. Actor clicks the number of camping site in the image.

Exceptions:

1a. Actor clicks “ABOUT” in the homepage.

1. Use case ends.

1b. Actor clicks “TICKETS” in the homepage.

1. Use case ends.

1c. Actor clicks “ACCOUNT” in the homepage.

1. Use case ends.

3a. Actor clicks “NO” in the page of asking for “Do you want to reserve a camping spot?.

1. Use case ends.

4a. Actor clicks anywhere except the numbers of camping site.

1. Use case ends.

Postcondition:

Get Tickets With Camping Site is successful.

Name: Signup

ID: UC04

Actor: Visitor

Precondition: Actor gets the ticket and does not have an account yet.

Main success scenario:

1. Actor enters first name, last name, an email address and password correctly.
2. Actor click “CONTINUE TO PAYMENT METHOD” button.
3. Actor selects the quantity he/she wants.
4. Actor thinks that it is alright to pay for tickets and clicks “PAYMENT METHOD”button.
5. Actor selects the credit card name.
6. Actor enters the credit card number, expiration date and card validation number

correctly.

7. Actor clicks “PLACE ORDER” button.

Exceptions:

1a. The first name/last name/email address/password is empty or not correct.

1. Use case ends.

2a.The “CONTINUE TO PAYMENT METHOD” button is not clicked.

1. Use case ends.

3a. Quantity goes “0”.

1. Use case ends.

3b. Actor removes all tickets.

1. Use case ends.

5a. The credit card name is wrong.

1. Use case ends.

6a. The credit card number/expiration date/card validation number is not correct.

1. Use case ends.

Postcondition:

Signup is successful.

Name: Login

ID: UC05

Actor: Visitor

Precondition: Actor has already registered by first name, last name, an email address and a password.

Main success scenario:

1. Actor enters an email address and password.

2. Actor click “LOGIN” button.
3. Actor goes to his/her profile.

Exceptions:

1a. The email address is not correct.

1. Use case ends.

1b. The password is not correct.

1. Use case ends.

2a. The “LOGIN” button is not clicked.

1. Use case ends.

Postcondition:

Login is successful.

Functional requirements

*Must - green; Should - yellow; Could - orange; Will not - red

No	Requirements	MoSCoW(Must, Should, Could, Will not)
Event check-in/out Application:		
1	Scan RFID-chip successfully	Must
2	Show the basic information of the visitors in the listbox	Should
3	Check in for event	Must
4	To transfer the visitor’s info into his/her bracelet	Must
5	Show visitor status of loan items and camping sites	Should

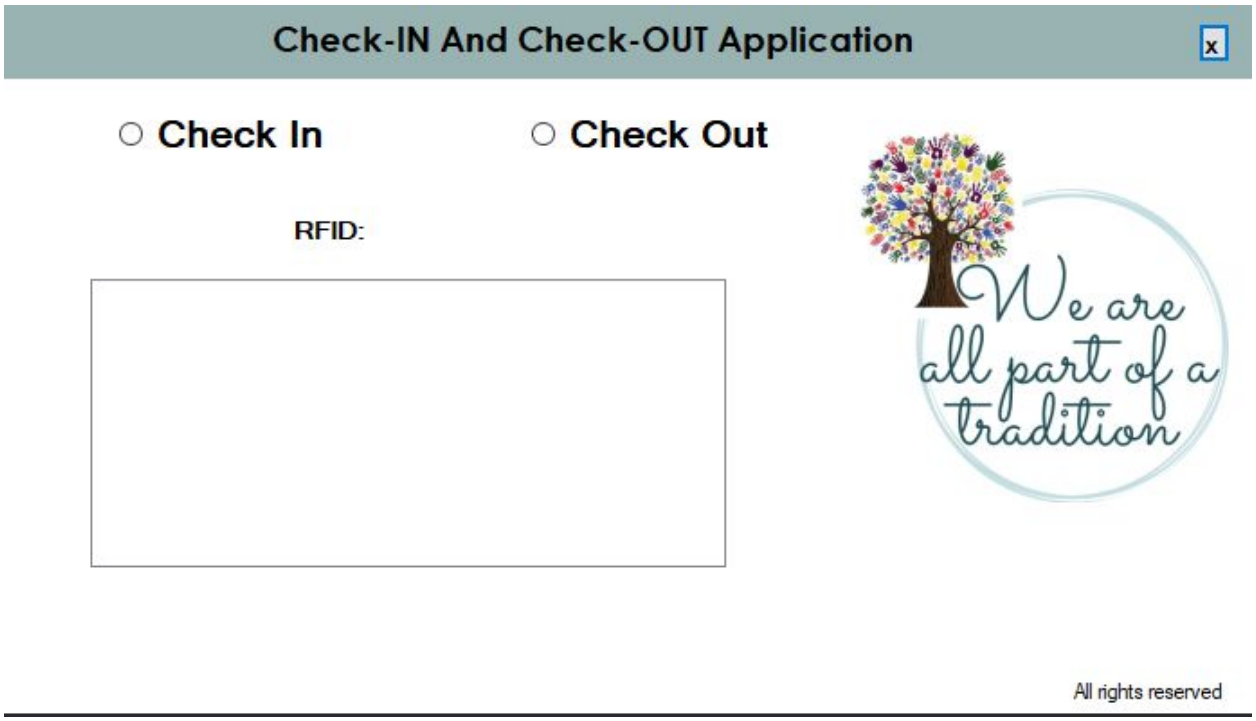
6	Check out for event	Must
Camping check in/out Application:		
1	Scan RFID-chip successfully	Must
2	Show visitor's camping site location, time and status in the listbox	Should
3	Show the basic information of the visitors in the listbox	Should
4	Check in for camping	Must
5	Check out for camping	Must
Reservation Application:		
1	Scan RFID-chip successfully	Must
2	Show all the information of the visitor in the listbox	Must
3	Select number of nights	Should
4	Show available camping site on the map	Should
5	Select camping site's location on the map	Should
6	After clicking the button "Make a reservation" the information of visitors will be changed	Must
Shop Application:		
1	Show available food and drinks	Should
2	Place food and drinks orders	Must
3	Pay the order by RFID	Must
4	To transfer the visitor's info into his/her bracelet	Must
Loan Application:		
1	Show available loan items	Should
2	Place loan orders	Must

3	Pay the deposit by RFID	Must
4	To transfer the visitor's info into his/her bracelet	Must
Event Status Application:		
1	Show current status overall	Must
2	Show the number of total visitors	Must
3	Show the number of total balance of visitors	Must
4	Show the number of total spending	Must
5	Show visiter status	Must
6	Show camping status	Must
7	Only for event manager use	Must
Log Application:		
1	Show ATM log profile	Must
Website:		
1	Show the detail information of event and organization	Should
2	Festival countdown	Should
3	Buy tickets with/without camping site	Must
4	Sign up for an unique user account	Must
5	Login by registered user account	Must
6	Reserve camping site	Must
7	Show visitor's personal information, current tickets and camping site status in My account	Should
8	Show list of DJ's and activities	Could

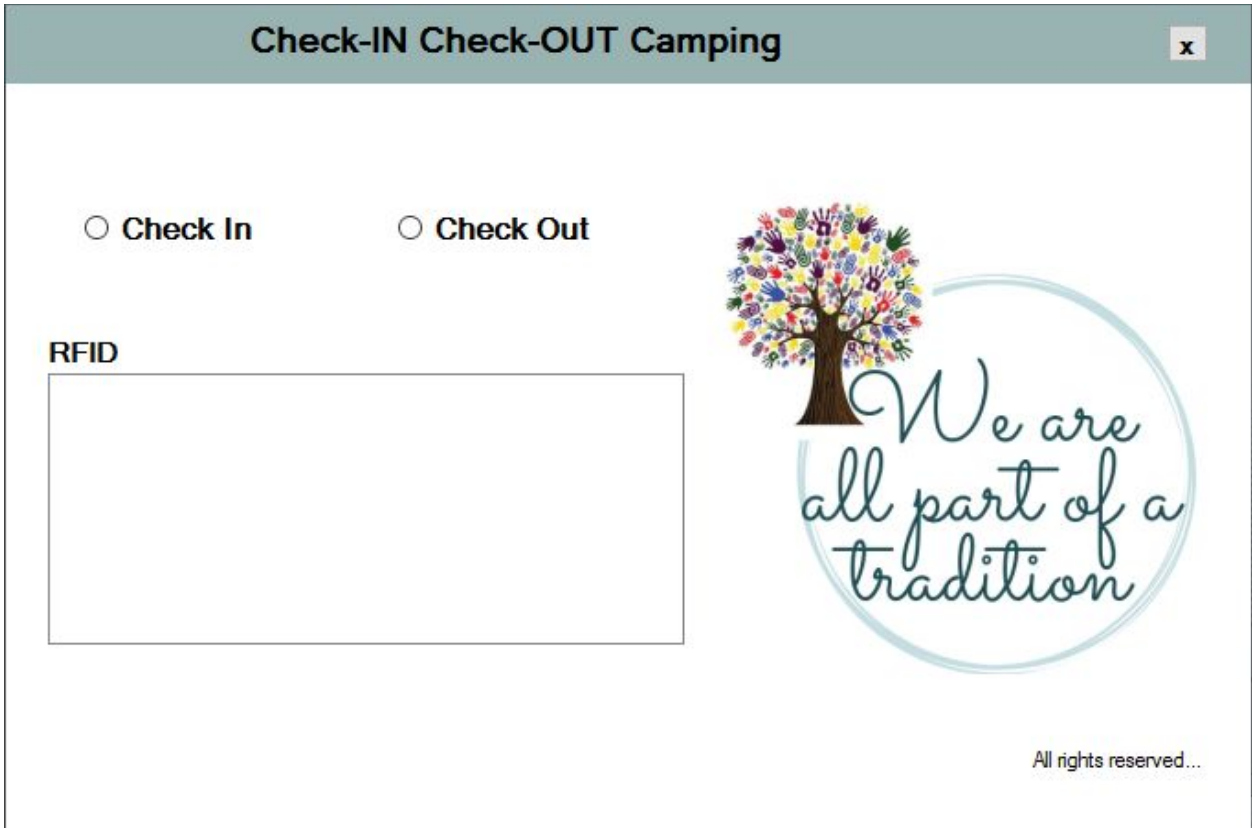
9	Advertisement of other events	Will not

GUIs

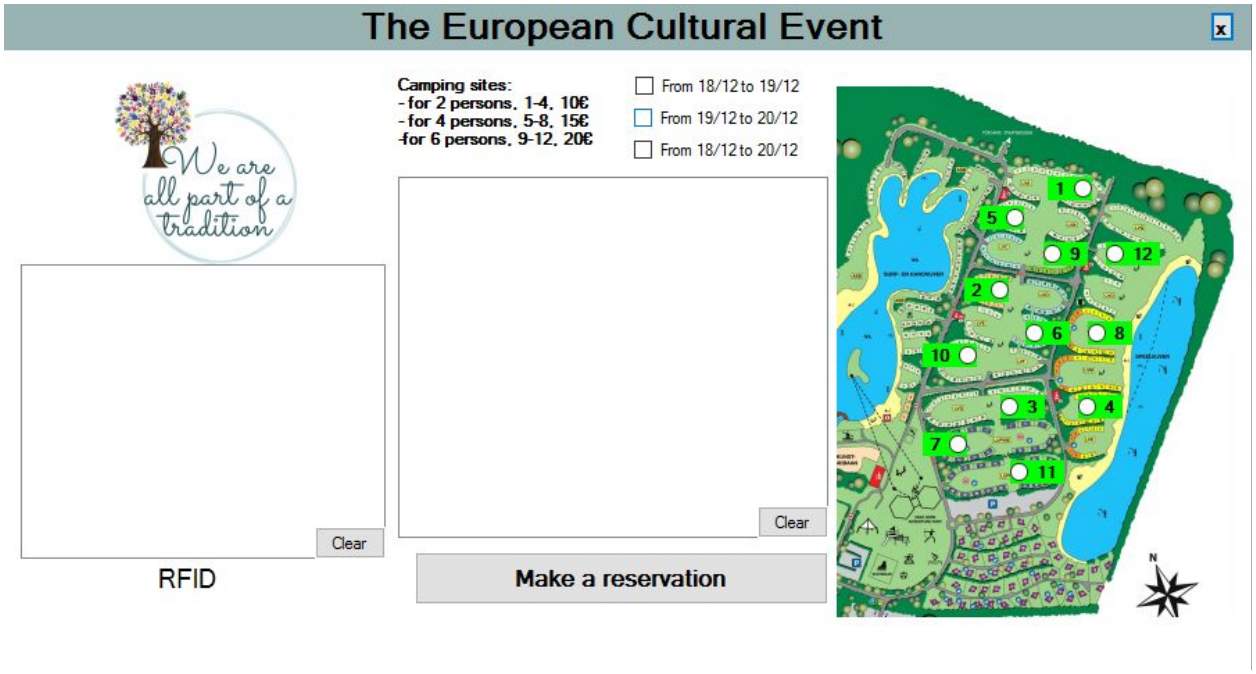
Event Check in/out Application



Camping Check in/out Application



Reservation Application



Shop Application

The European Cultural Event Food Shop Application
Home
Foods
Drinks
Payment

The European Cultural Event Food Shop Application
x
Home
Foods
Drinks
Payment
Quantity: 0
Price: 4565
Cancel
OK
Name: Hamburger

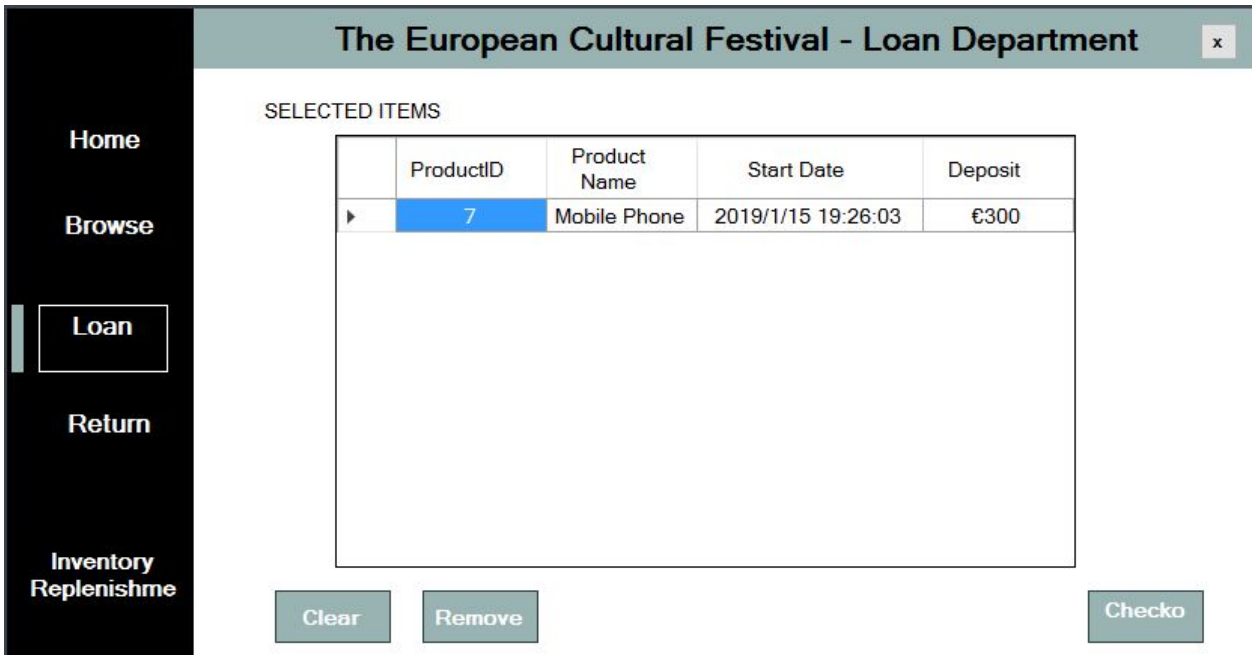
The European Cultural Event Food Shop Application
Home
Foods
Drinks
Payment

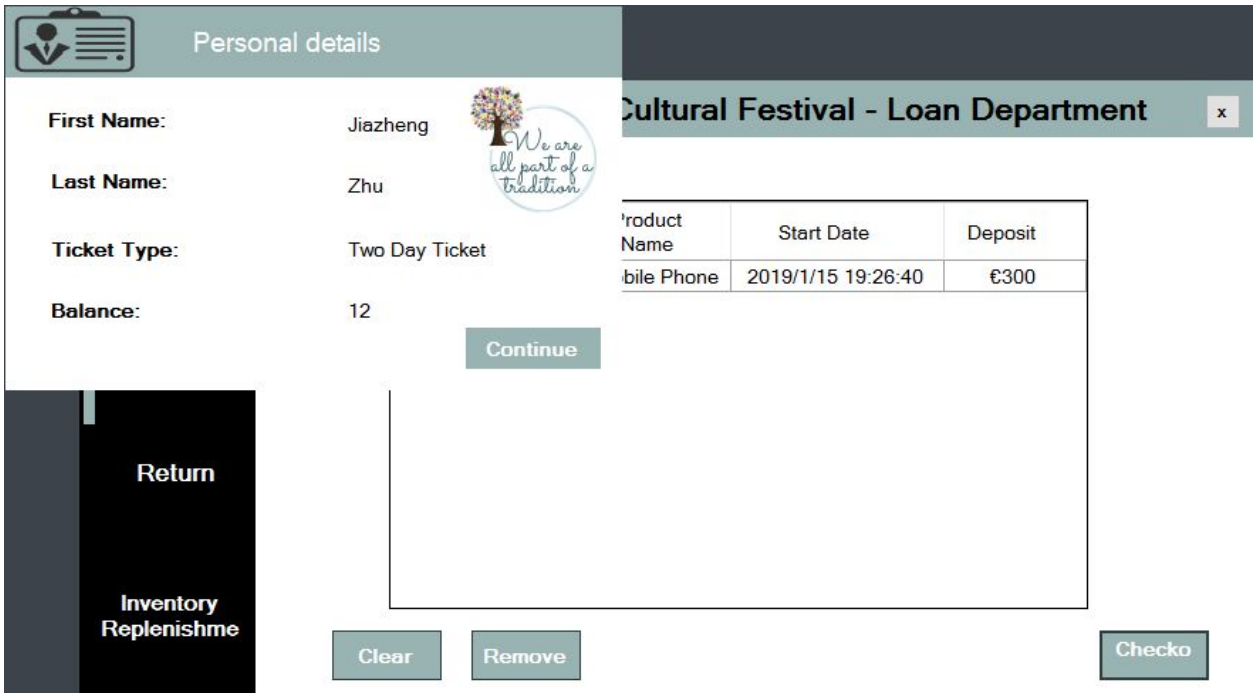
The European Cultural Event Food Shop Application
x
Home
Foods
Drinks
Payment
Quantity: 0
Price: 0.1
Cancel
OK
Name: Beer

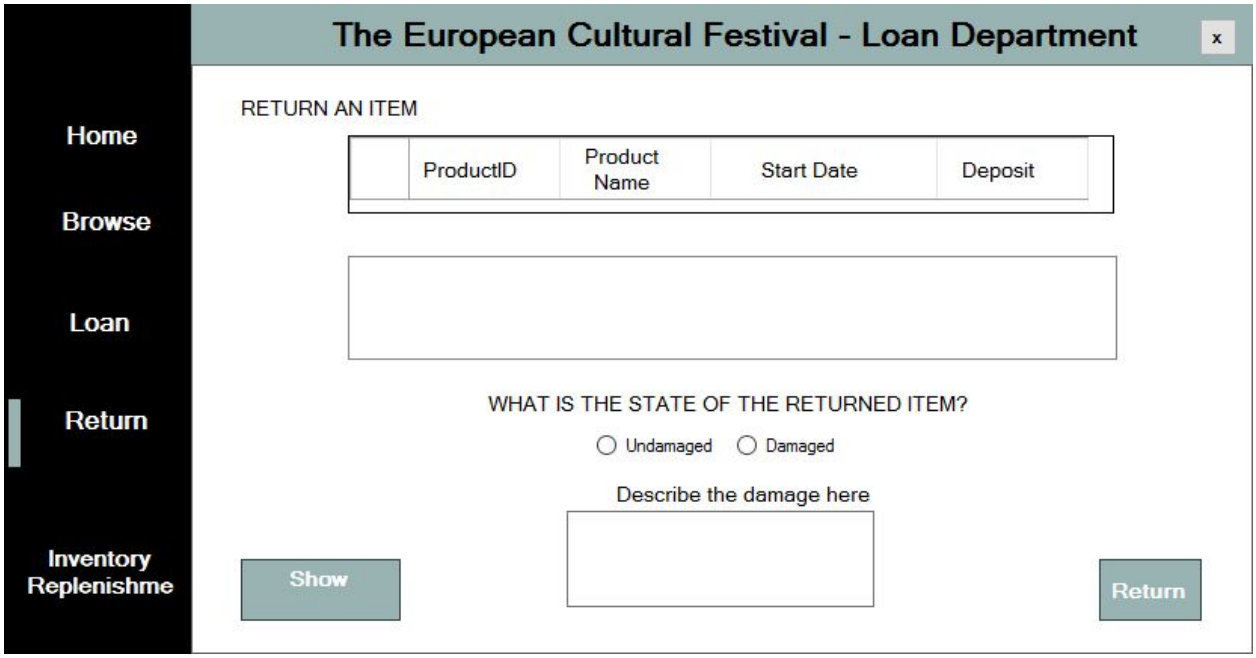
The European Cultural Event Food Shop Application
x
Home
Foods
Drinks
Payment
RFID:
Prod ID
Name
Quantity
Price
Total: €
exit
clear
remove
pay

Loan Application

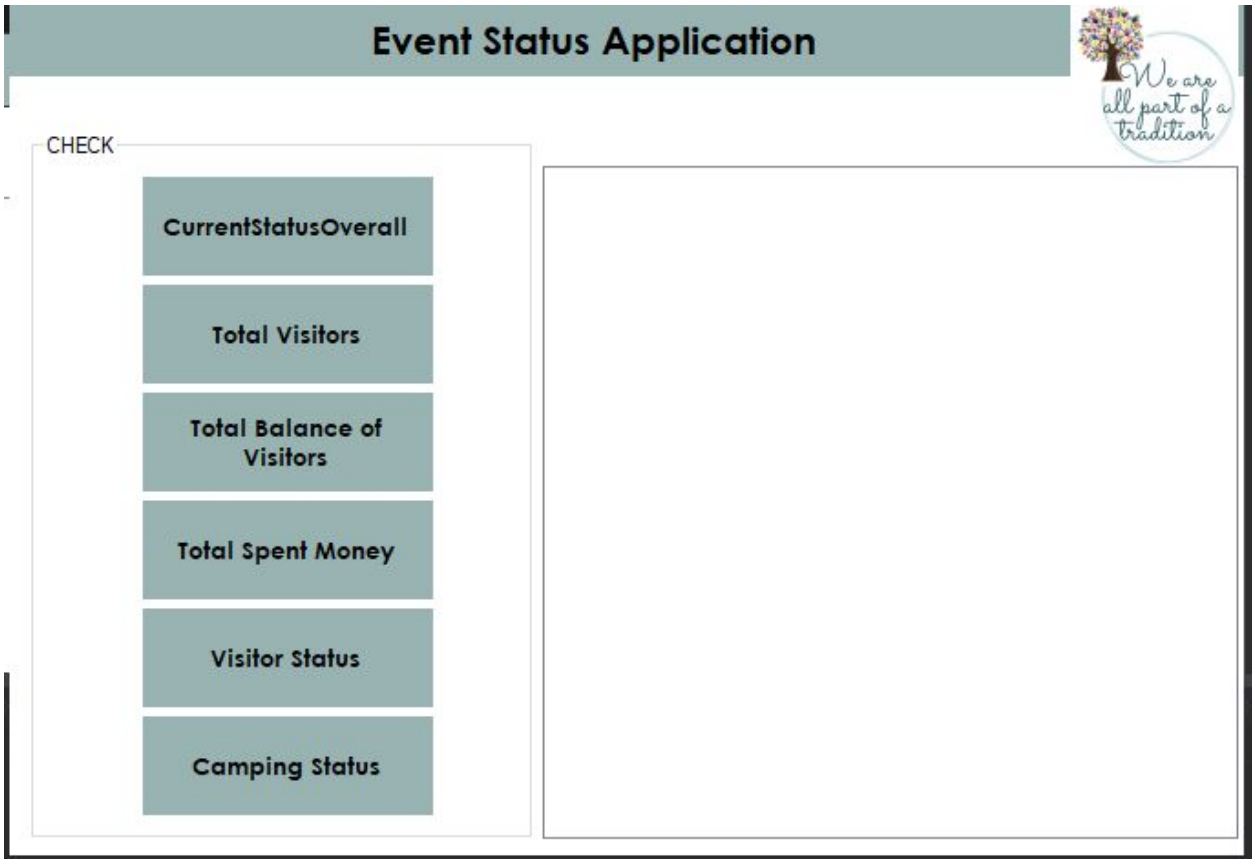
The European Cultural Festival - Loan Department
x
Home
Browse
Loan
Return
Inventory Replenishme
Canon
Name: Mobile Phon
Deposit: €300
In Stock: 2011
Cancel
Continu


The European Cultural Festival - Loan Department
x
Home
Browse
Loan
Return
Inventory Replenishme
SELECTED ITEMS
ProductID
Product Name
Start Date
Deposit
7
Mobile Phone
2019/1/15 19:26:03
€300
Clear
Remove
Checko

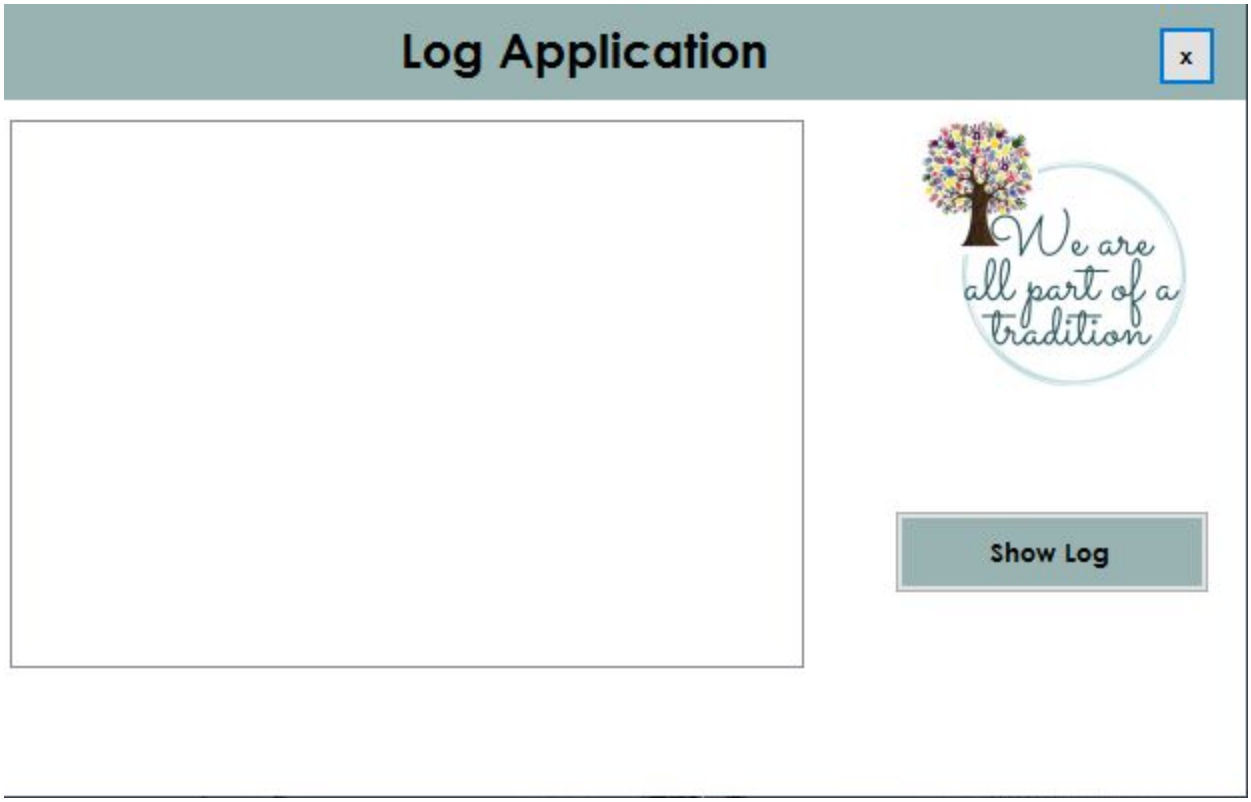




Event Status Application


Event Status Application
We are all part of a tradition
CHECK
CurrentStatusOverall
Total Visitors
Total Balance of Visitors
Total Spent Money
Visitor Status
Camping Status

Log Application

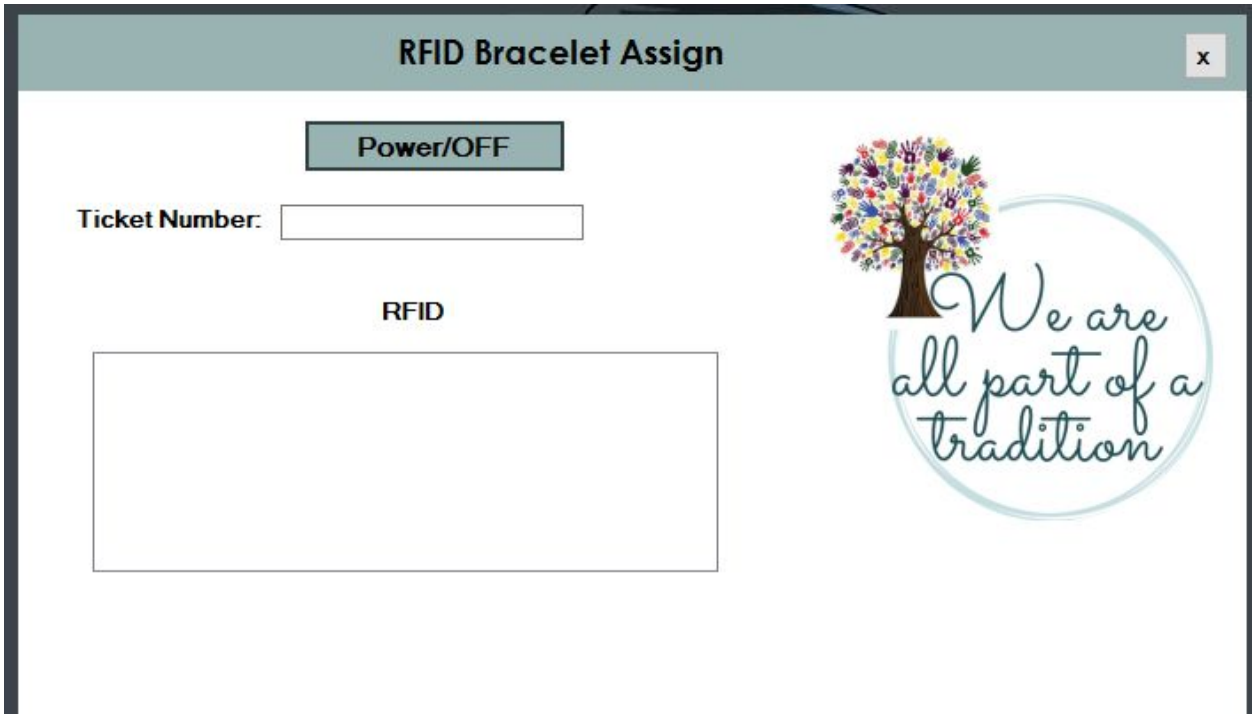


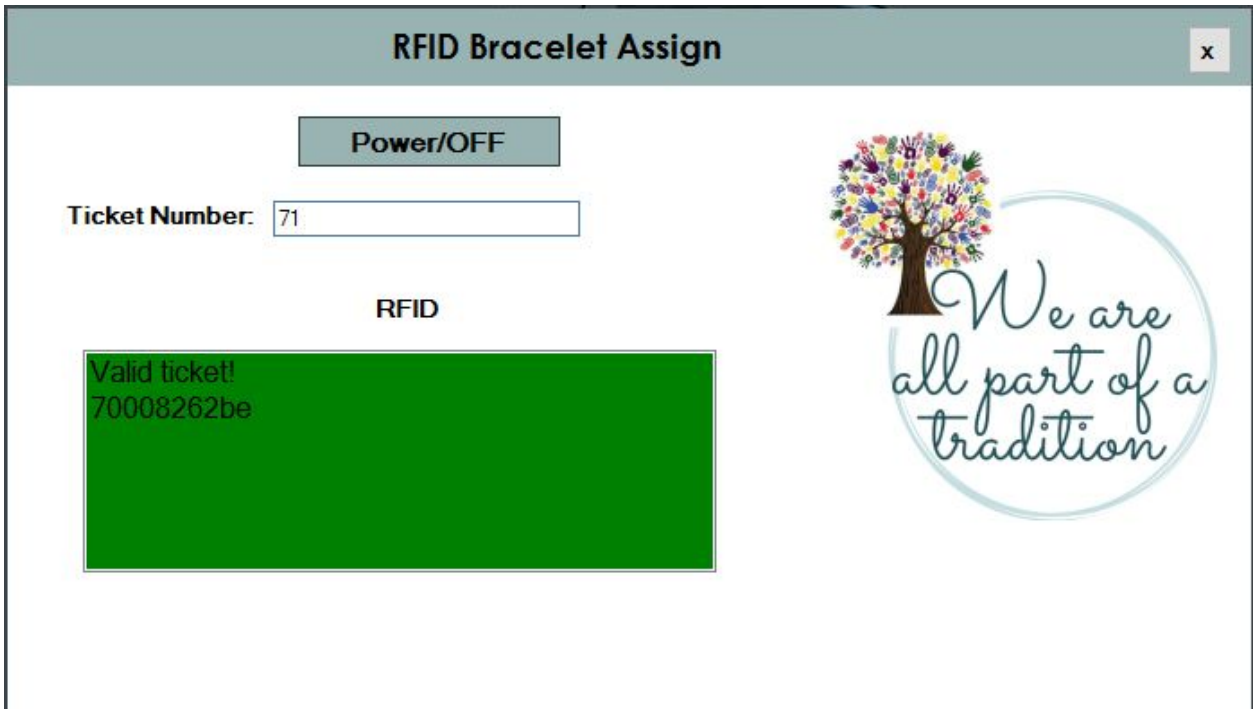
Assign RFID Application

As we all agreed that we decide to add an application for assigning the RFID.

When visitors come to the festival, they need to apply for the RFID bracelet by their valid ticket number.

1. Employee clicks the “Power/On” button.
2. Employee inputs visitor’s ticket number
3. Employee scans new RFID
4. Assigning RFID is successful and it shows “Valid ticket” with green background.



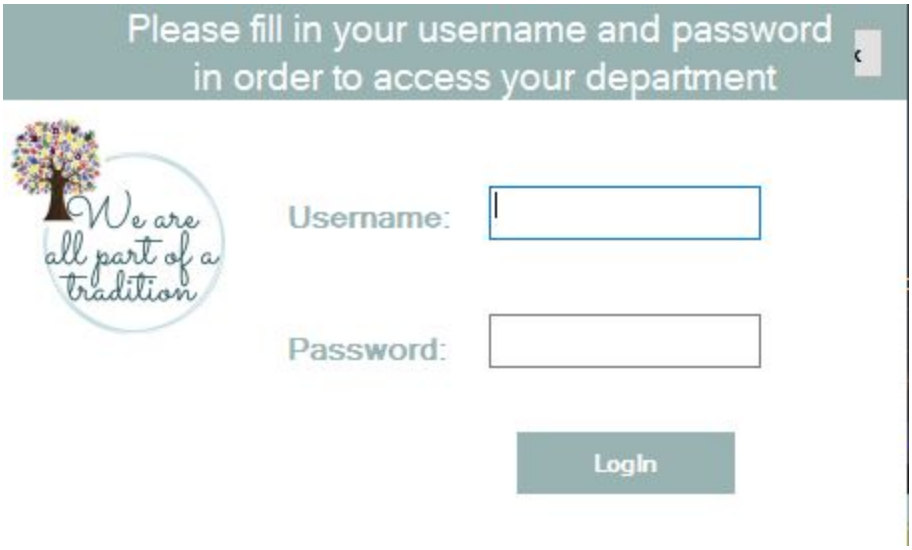

RFID Bracelet Assign
x
Power/OFF
Ticket Number:
71
RFID
Valid ticket!
70008262be
We are all part of a tradition

Employee Access Application

As we all agreed that we decide to add an application for employee login to their own department apps.

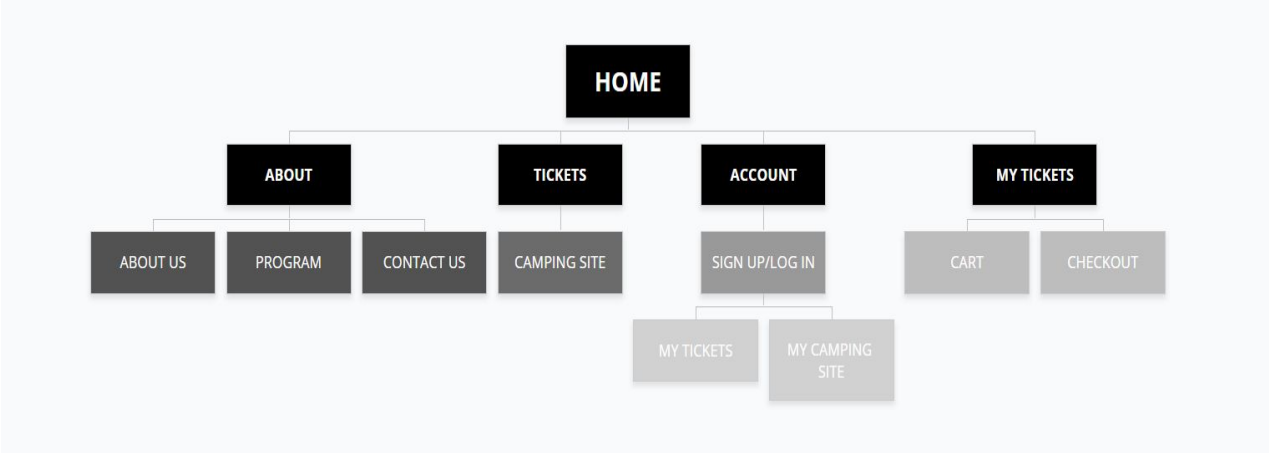
When employees work in the festival, they need to login to their own department apps by their username and password.

1. Employee inputs his/her valid username.
2. Employee inputs his/her correct password.
3. Employee clicks “LogIn” button.



Website

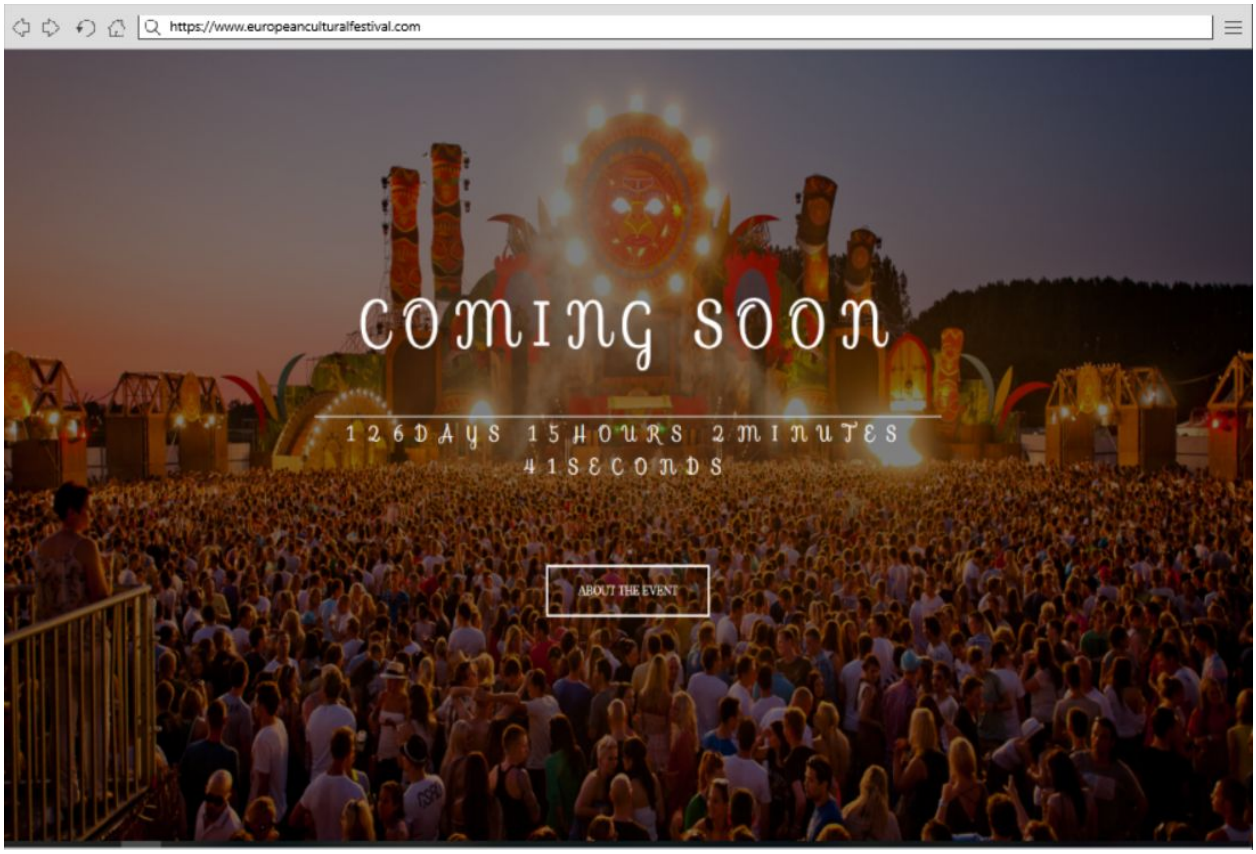
The sitemap and visual design of website is shown below. All information about the event, the tickets with/without camping sites and other related information about visitors' accounts can be easily find in the website's navigation bar.

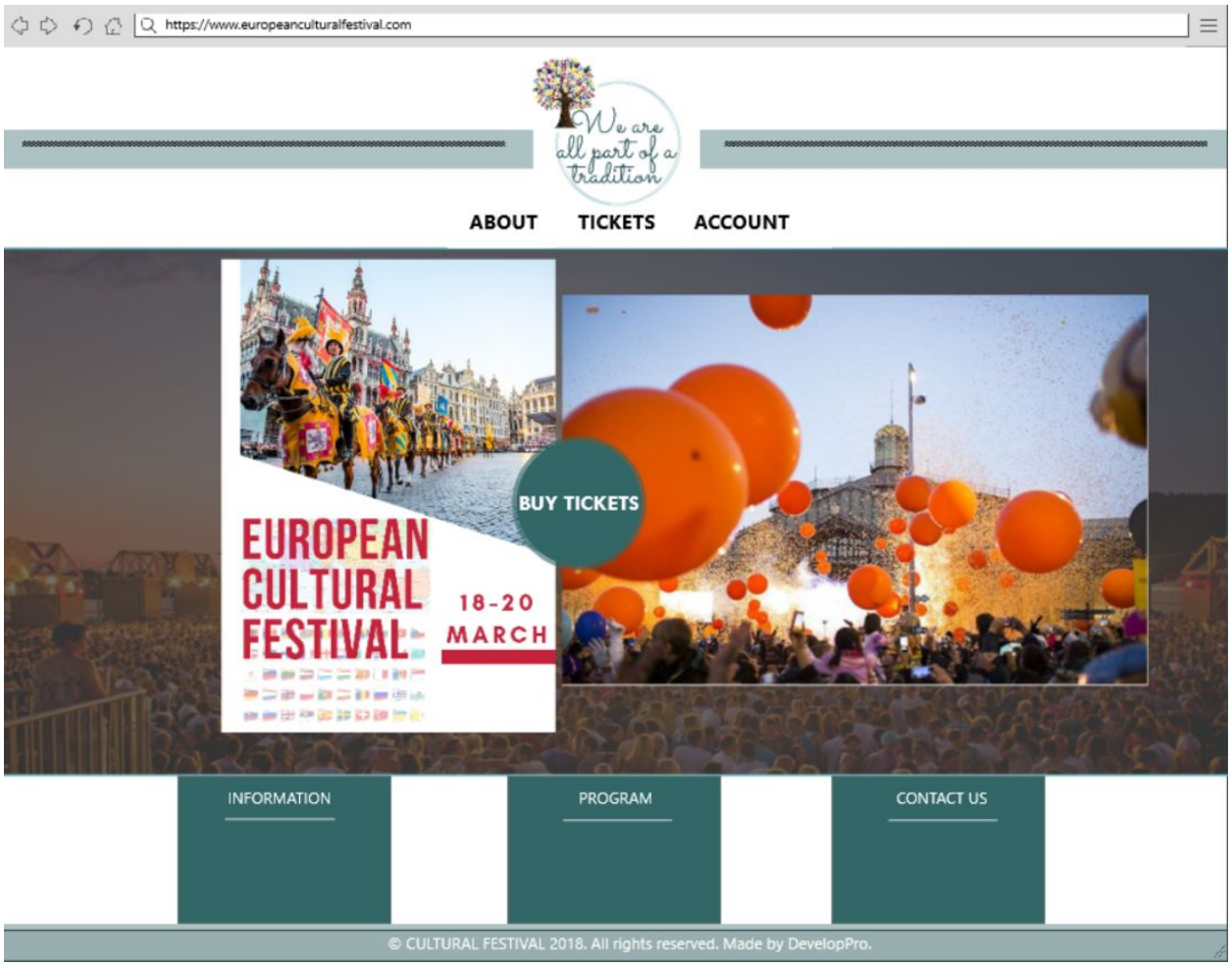


Website - Visual designs

Changes on the website:

We add a process bar for ticket and camping reservation services.




https://www.europeanculturalfestival.com
We are all part of a tradition
ABOUT
TICKETS
ACCOUNT
BUY TICKETS
EUROPEAN CULTURAL FESTIVAL
18-20 MARCH
INFORMATION
PROGRAM
CONTACT US
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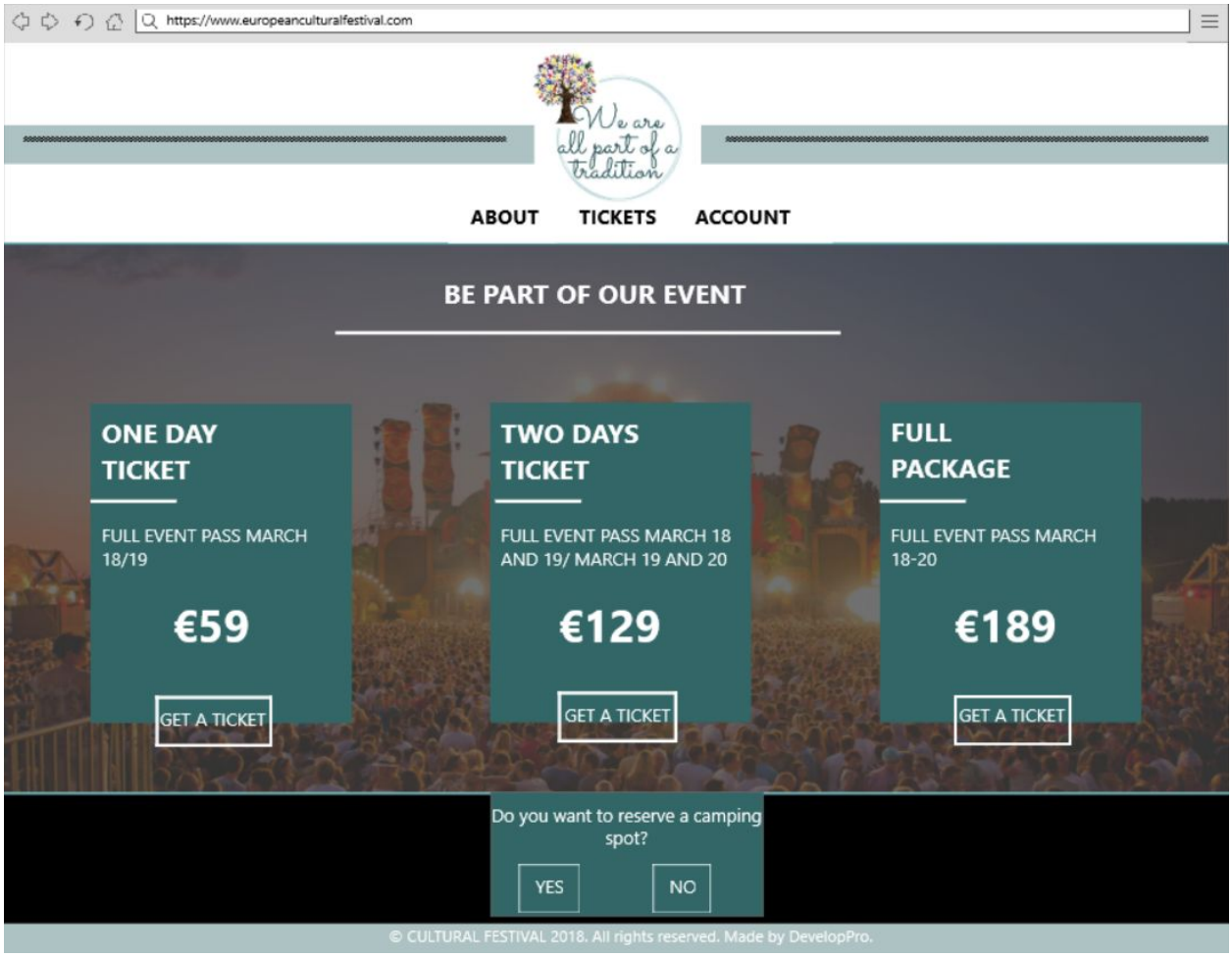
https://www.europeanculturalfestival.com
We are all part of a tradition
ABOUT
TICKETS
ACCOUNT
BE PART OF OUR EVENT
ONE DAY TICKET
FULL EVENT PASS MARCH 18/19
€59
GET A TICKET
TWO DAYS TICKET
FULL EVENT PASS MARCH 18 AND 19/ MARCH 19 AND 20
€129
GET A TICKET
FULL PACKAGE
FULL EVENT PASS MARCH 18-20
€189
GET A TICKET
Do you want to reserve a camping spot?
YES
NO
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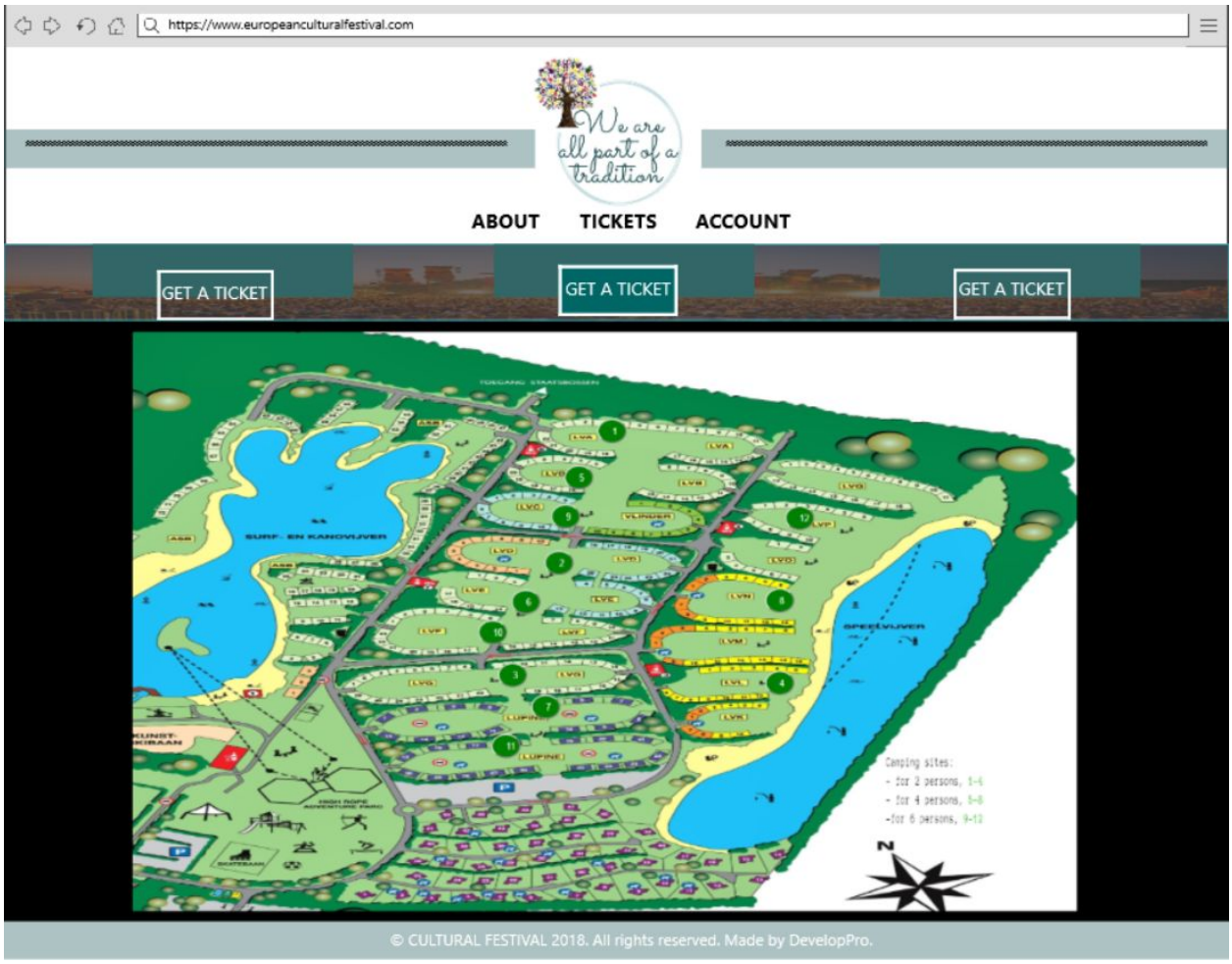
https://www.europeanculturalfestival.com
We are all part of a tradition
ABOUT
TICKETS
ACCOUNT
GET A TICKET
GET A TICKET
GET A TICKET
SURF- EN KANOVIJVER
SPEEDVIJVER
Camping sites:
- for 2 persons, 1-4
- for 4 persons, 5-8
-for 6 persons, 9-12
N
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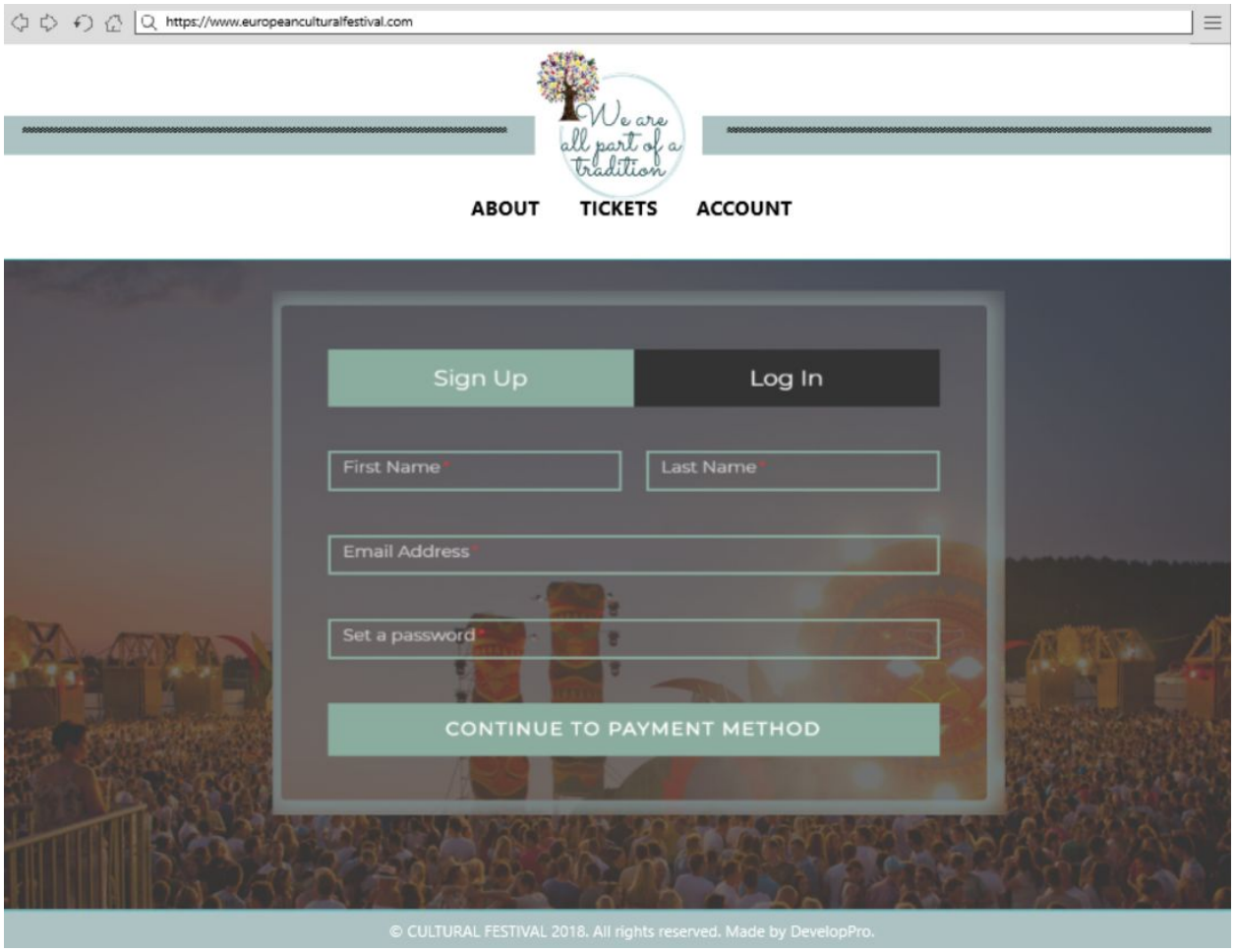
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ABOUT
TICKETS
ACCOUNT
Sign Up
Log In
First Name*
Last Name*
Email Address*
Set a password*
CONTINUE TO PAYMENT METHOD
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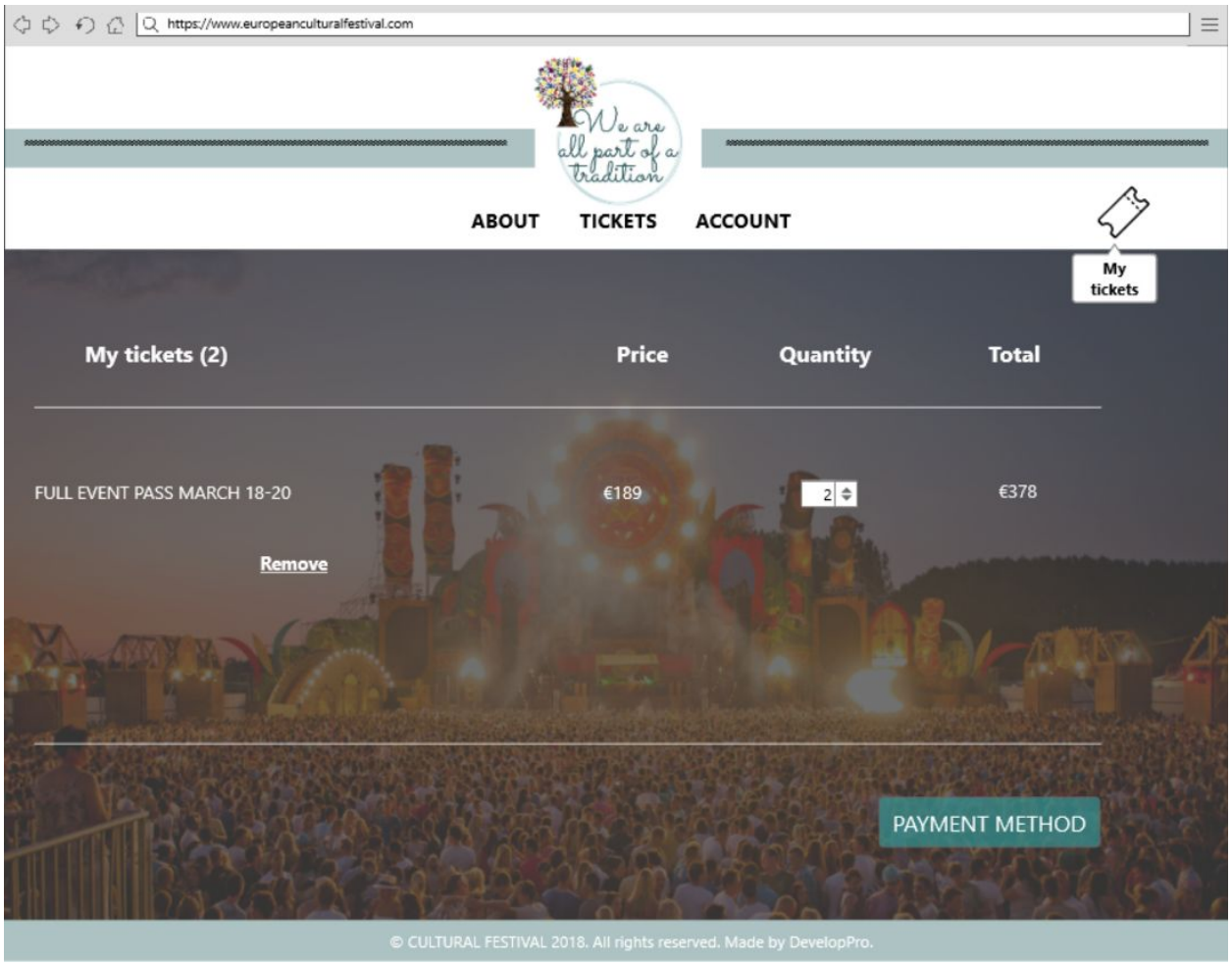
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ABOUT
TICKETS
ACCOUNT
My tickets
My tickets (2)
Price
Quantity
Total
FULL EVENT PASS MARCH 18-20
€189
2
€378
Remove
PAYMENT METHOD
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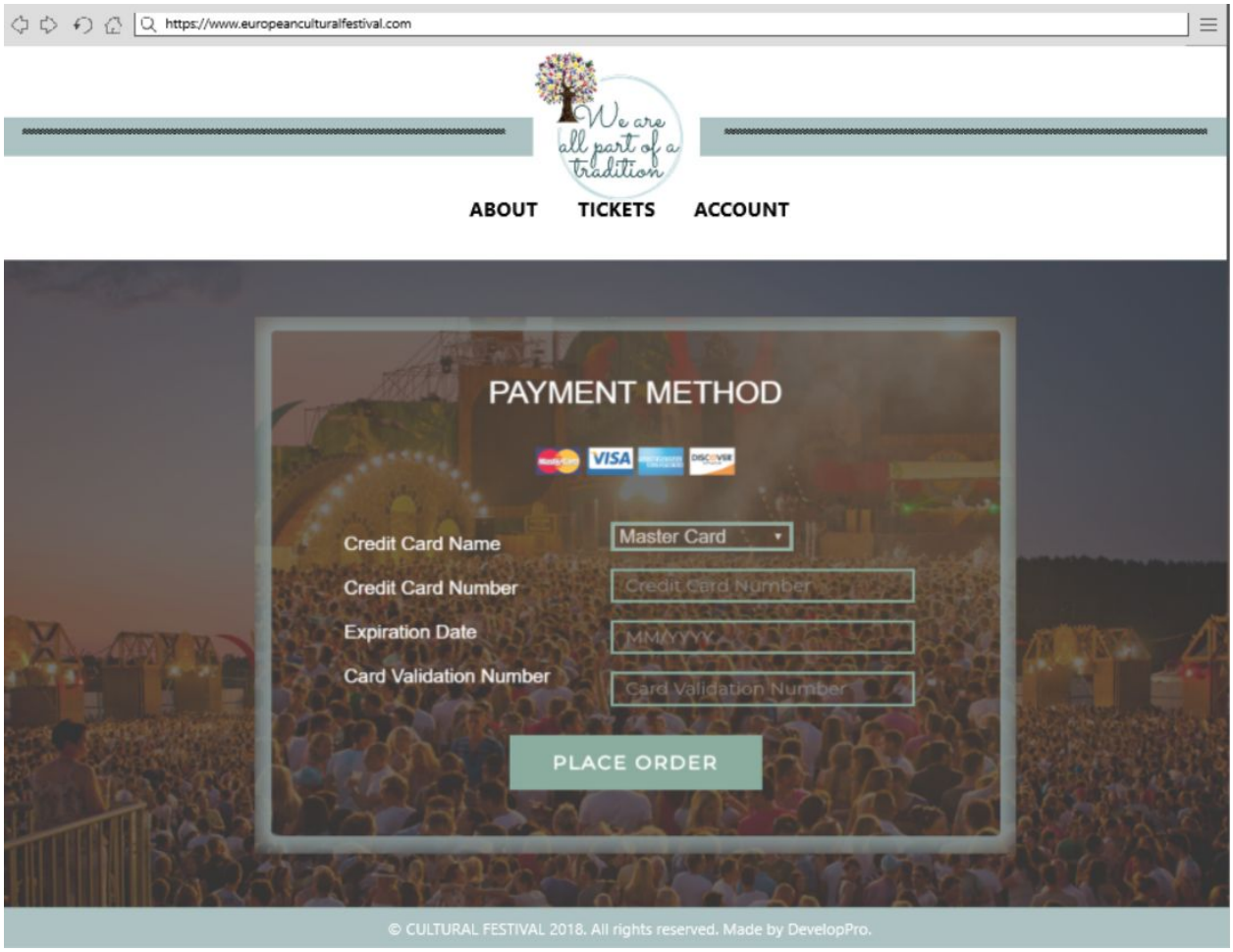
https://www.europeanculturalfestival.com
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ABOUT
TICKETS
ACCOUNT
PAYMENT METHOD
Credit Card Name
Master Card
Credit Card Number
Credit Card Number
Expiration Date
MM/YYYY
Card Validation Number
Card Validation Number
PLACE ORDER
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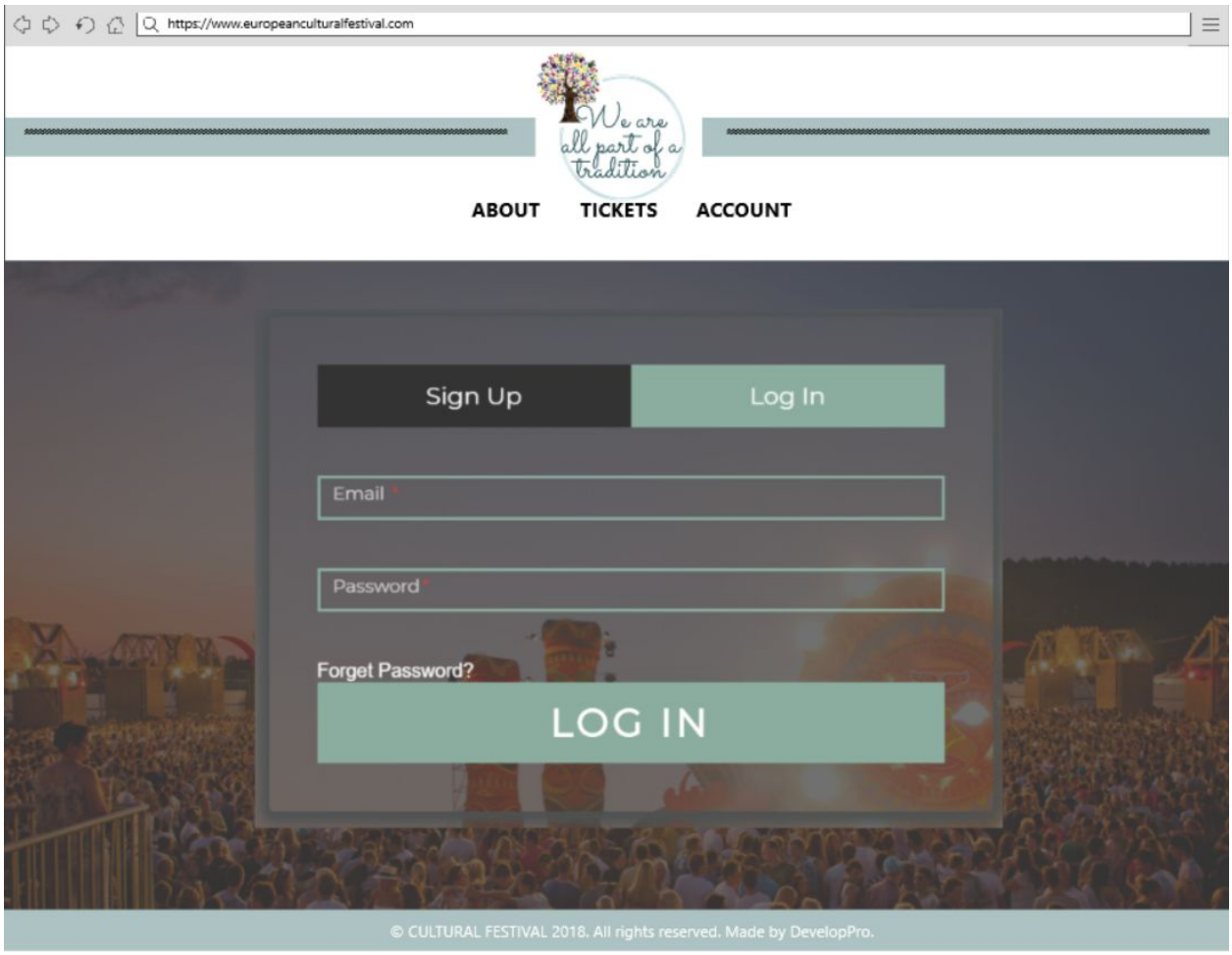
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ABOUT
TICKETS
ACCOUNT
Sign Up
Log In
Email *
Password *
Forget Password?
LOG IN
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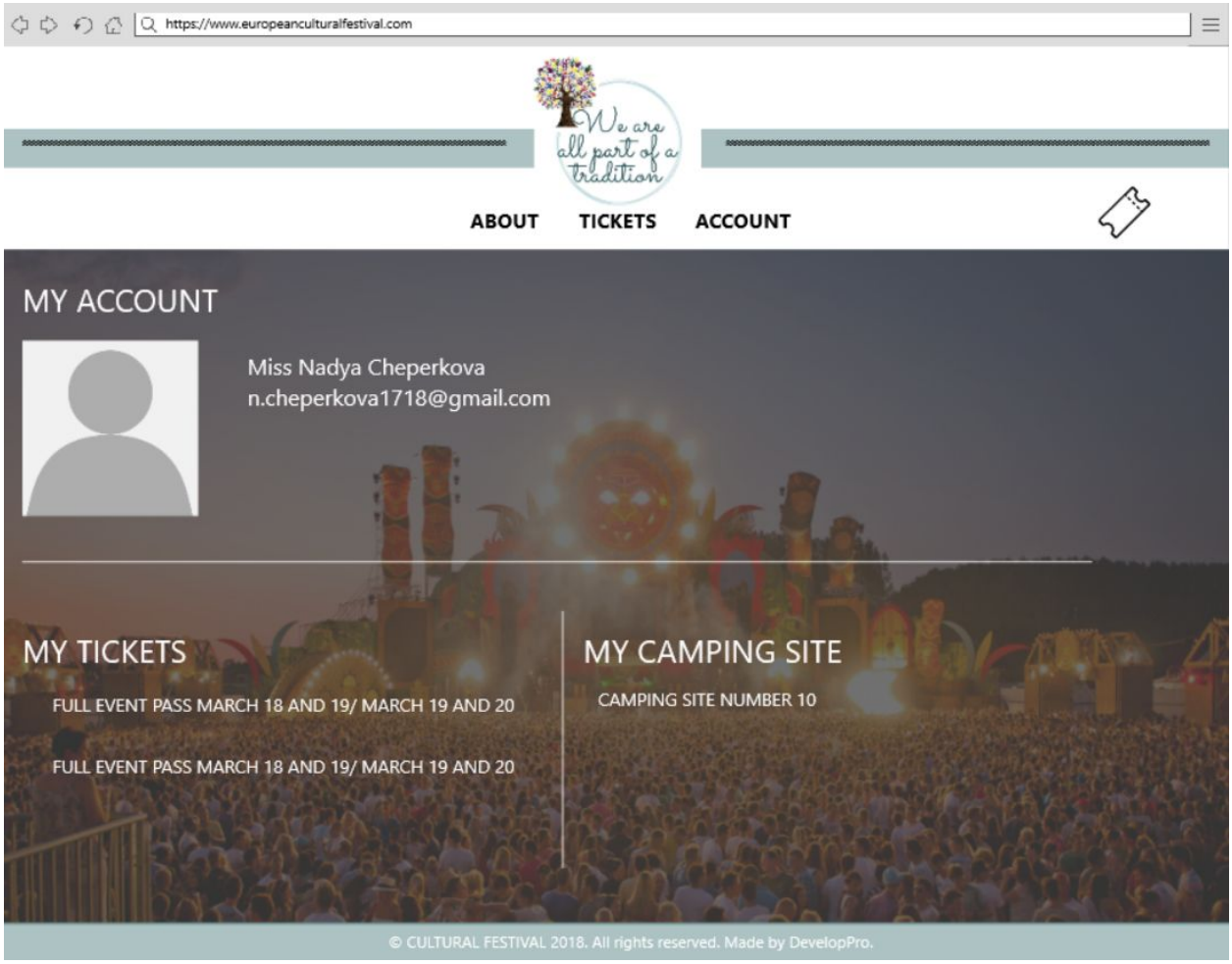
https://www.europeanculturalfestival.com
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ABOUT
TICKETS
ACCOUNT
MY ACCOUNT
Miss Nadya Cheperkova
n.cheperkova1718@gmail.com
MY TICKETS
FULL EVENT PASS MARCH 18 AND 19/ MARCH 19 AND 20
FULL EVENT PASS MARCH 18 AND 19/ MARCH 19 AND 20
MY CAMPING SITE
CAMPING SITE NUMBER 10
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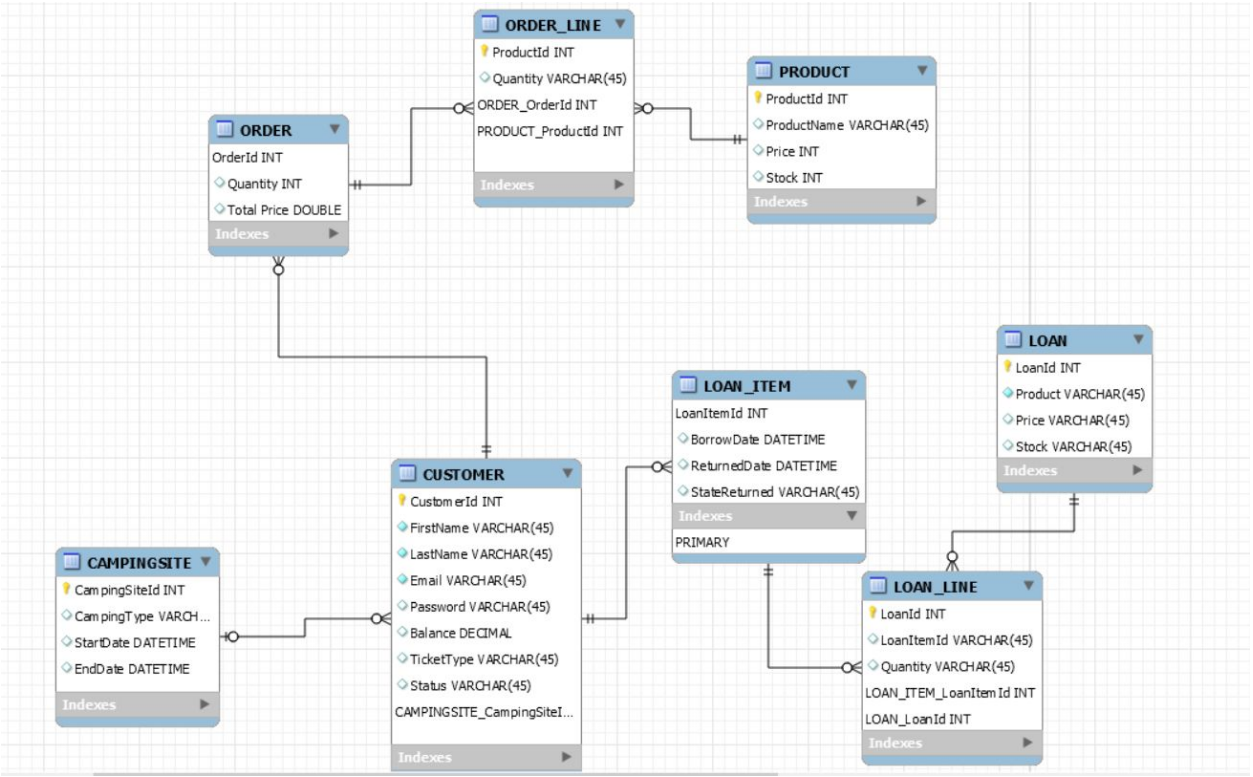
ERD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Quantity VARCHAR(45)
ORDER_OrderId INT
PRODUCT_ProductId INT
Indexes
PRODUCT
ProductId INT
ProductName VARCHAR(45)
Price INT
Stock INT
Indexes
ORDER
OrderId INT
Quantity INT
Total Price DOUBLE
Indexes
LOAN
LoanId INT
Product VARCHAR(45)
Price VARCHAR(45)
Stock VARCHAR(45)
Indexes
LOAN_ITEM
LoanItemId INT
BorrowDate DATETIME
ReturnedDate DATETIME
StateReturned VARCHAR(45)
Indexes
PRIMARY
CUSTOMER
CustomerId INT
FirstName VARCHAR(45)
LastName VARCHAR(45)
Email VARCHAR(45)
Password VARCHAR(45)
Balance DECIMAL
TicketType VARCHAR(45)
Status VARCHAR(45)
CAMPINGSITE_CampingSiteI...
Indexes
CAMPINGSITE
CampingSiteId INT
CampingType VARCH...
StartDate DATETIME
EndDate DATETIME
Indexes
LOAN_LINE
LoanId INT
LoanItemId VARCHAR(45)
Quantity VARCHAR(45)
LOAN_ITEM_LoanItemId INT
LOAN_LoanId INT
Indexes