

HYPERMEDIA APPLICATION

Design Documentation

5th September 2019

Contemporary Art Festival

Heroku

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TABLE OF CONTENTS:

1 – Preface.....	3
1.1 - Purpose of this document.....	3
1.2 - Documentation Contents.....	3
2 – Design in-the-large.....	4
2.1 - C-IDM Text Version.....	4
2.2 - C-IDM schema.....	5
2.3 - L-IDM schema.....	5
3 – Scenarios.....	6
3.1 - Overview.....	6
3.2 - First Scenario.....	6
3.3 - Second Scenario.....	8
3.4 - Third Scenario.....	12
3 – Design in-the-small.....	14
3.1 - Overview.....	14
3.2 - Common Elements.....	14
3.3 - Homepage.....	15
3.4 - Transition Page.....	16
3.5 - Topic Pages.....	17
3.6 - Contacts Page.....	18
3.7 - Registration Page.....	19
4 – Database Design.....	20
4.1 - Relational Tables.....	20
4.2 - E-R diagram.....	24

1 - PREFACE

1.1 - Purpose of this document

This document is the Design Documentation for the Hypermedia project delivered the fifth of September by the group composed by Marco Furio Colombo, Andrea Finazzi and Pietro Forconi.

1.2 - Documentation Contents

The contents of this part of the relation will cover both Design in-the-large (with C-IDM and L-IDM schemas) and in-the-small (with screenshots), interaction scenarios and Database design.

2 - DESIGN IN-THE-LARGE

2.1 - Conceptual Design (C-IDM) – Text Version

Single Topics:

1. *Festival presentation*
2. *Reservation (general info about how to make the reservation and to get the tickets)*
3. *Contact Us*

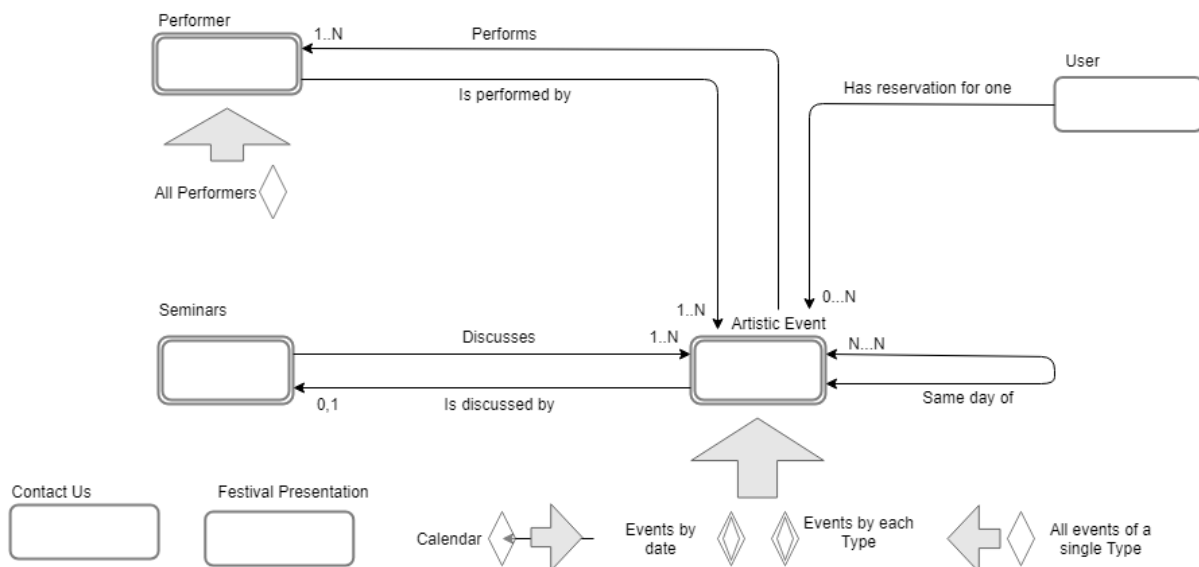
Multiple Topics:

1. *Artistic Event*
2. *Performer*
3. *Seminar*

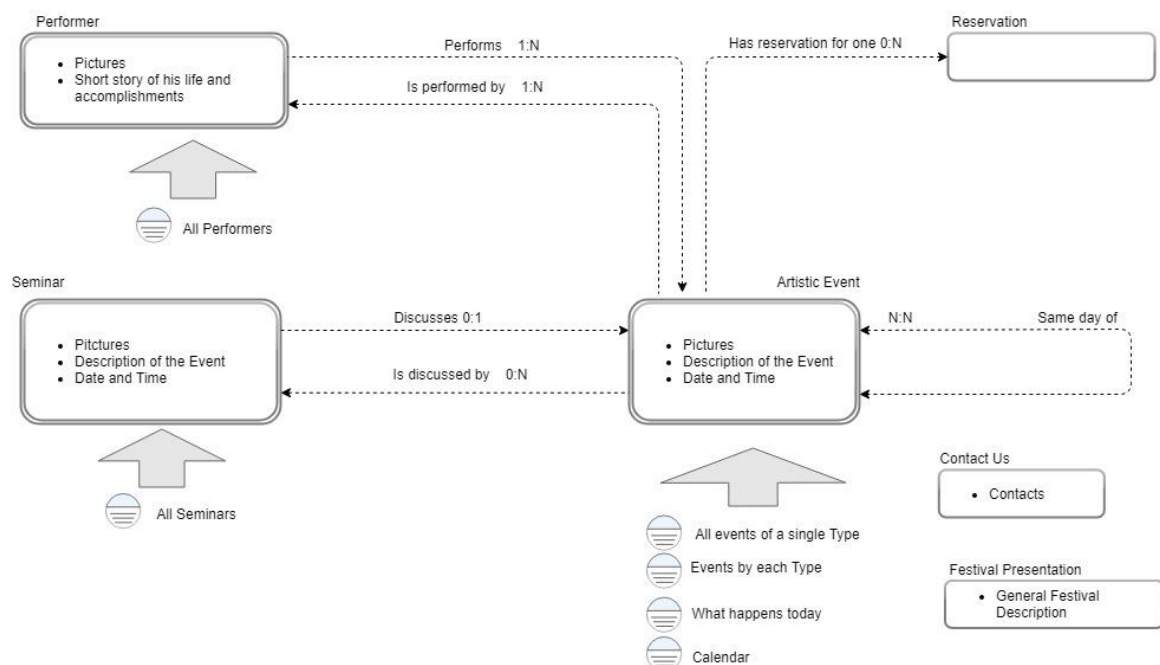
Relevant Relationships:

1. *Performed-by? Artistic Event —> Performer [1-N] N>=1*
2. *Performs? Performer —> Artistic Events [1-N] N>=1*
3. *Discussed in? Artistic —> Event Seminar [1-0/1]*
4. *Discusses Seminar —> Artistic Event [1-N]*
5. *In the same day? Artistic Even —> Artistic Event [N-N]*
6. *Reservation for one? Reservation —> Artistic Event [0-N]*

2.2 - Conceptual Design (C-IDM) – Schema



2.3 - L-IDM Schema



3 – SCENARIOS

3.1 - Overview

Marta is one of our “Pulse” club member and she is an amatorial dancer.

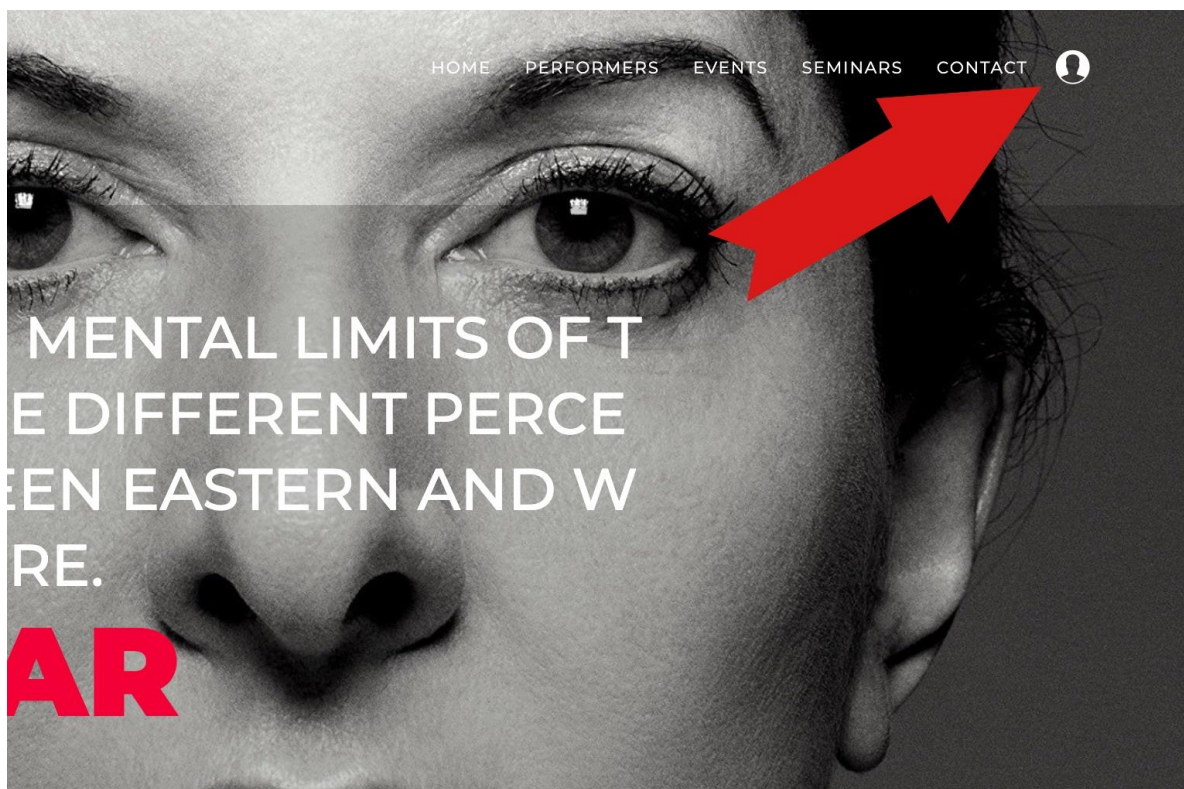
She is a huge fan of the dancer Roberto Bolle, so she decided to reserve tickets for “Dance with me” event and then wants to read info about her favourite dancer.

3.2 - First Scenario

The first thing she does is to Log to the site.

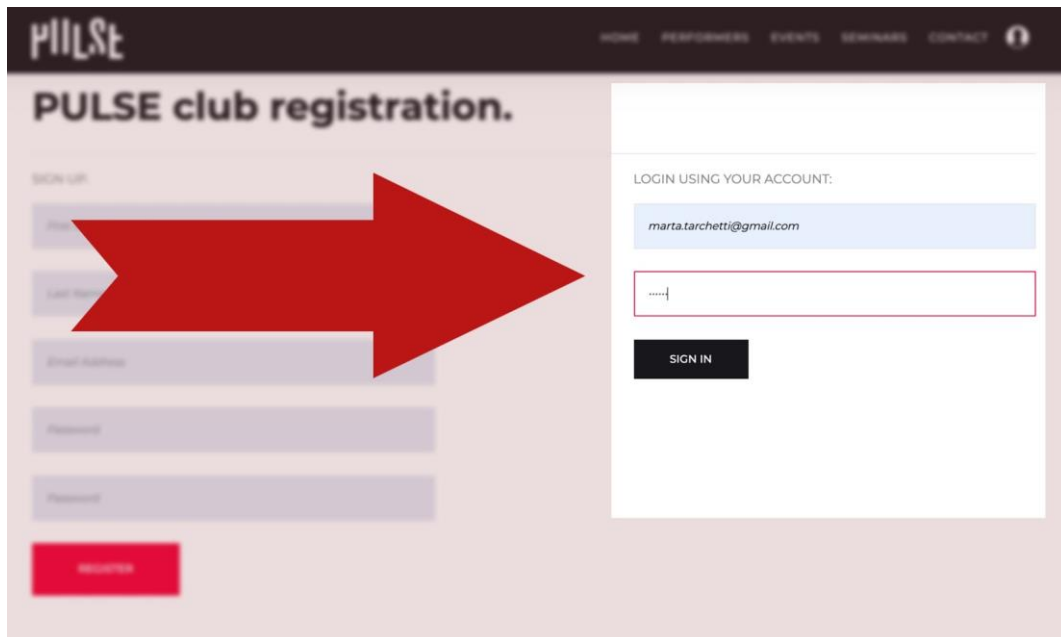
FIRST STEP

From the Home Page she clicks on the Log/Registration button on the top right:



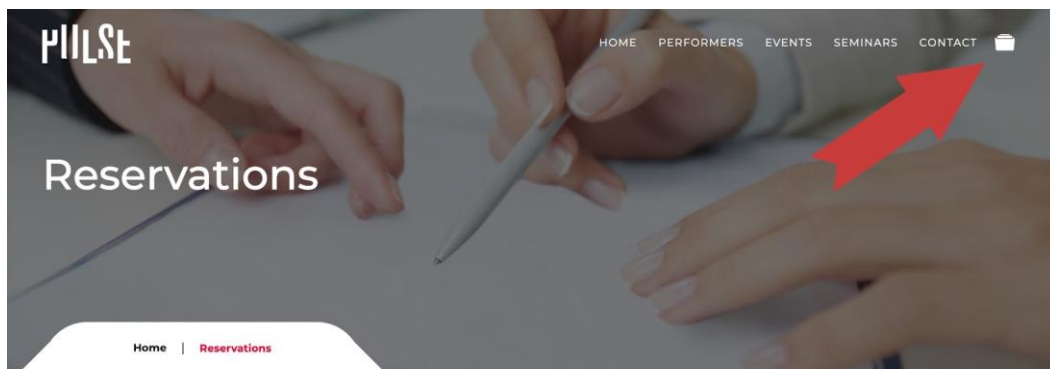
SECOND STEP

After click to the Log/Register button she insert her credentials and push the “Sign In” button:



THIRD STEP

After Log, she has been redirected to the Reservation Page, we can see that actually she doesn't have any reservation:



 MARTA TARCHETTI
marta.tarchetti@gmail.com

 RESERVATIONS
0 active reservations

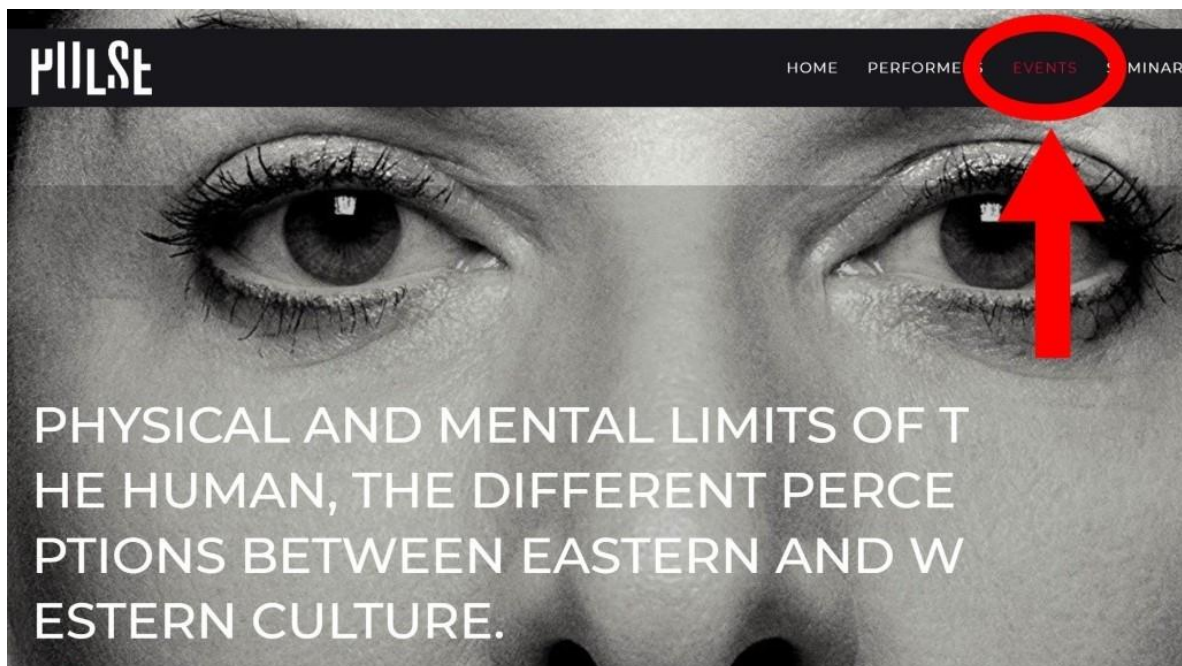
 LOGOUT

3.3 - Second Scenario

The second test scenario follows the steps that Marta has to take in order to make a reservation for the roberto Bolle's "Dance with me" event starting from the website's homepage. We assume that Marta is already logged (which can be accomplished following the steps presented in the first scenario).

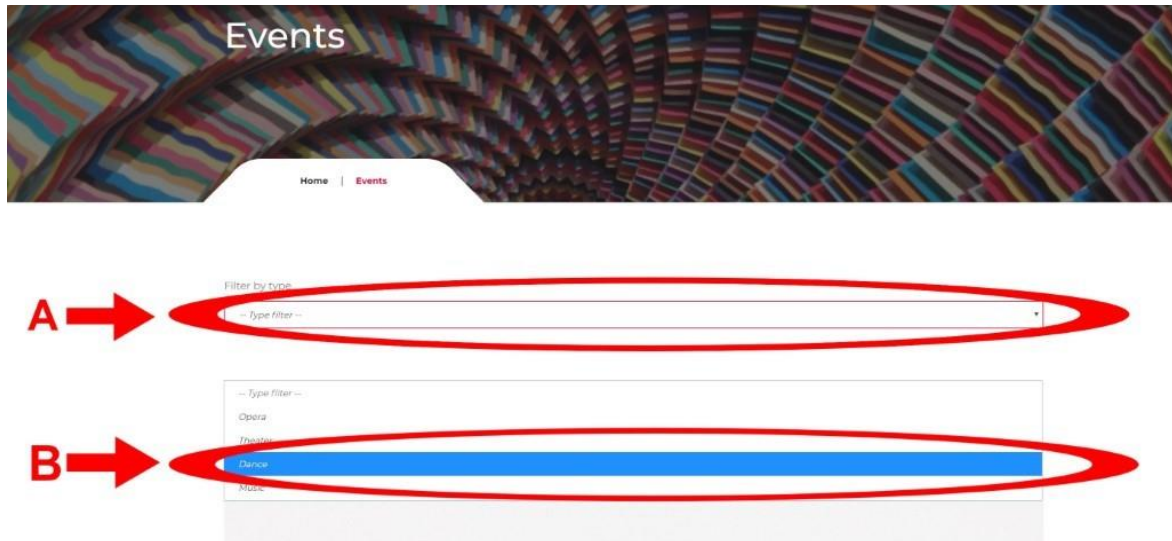
First Step

As first step Marta should click on the link that brings to the "Events" list on the right of the headbar.



Second Step

In the second step Marta needs to filter the events by type, choosing dance as her kind of choice. To accomplish this task she needs to click on the “Filter by type” button (A) and then select “Dance” as type (B).



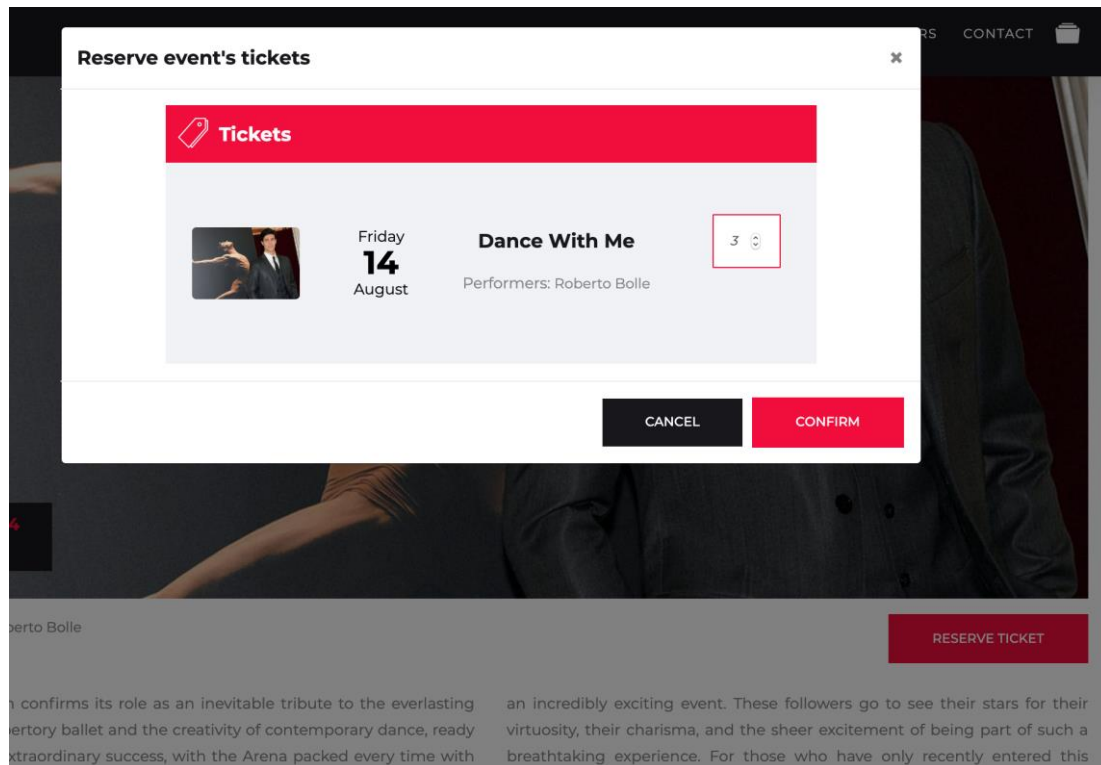
Third Step

Once the filter has been applied the page will only show events of the “Dance” type; She needs to scroll down the events list until the “Dance With Me” event has been found. Once she has located it can be easily reserved by clicking on the “Reserve Ticket” button.



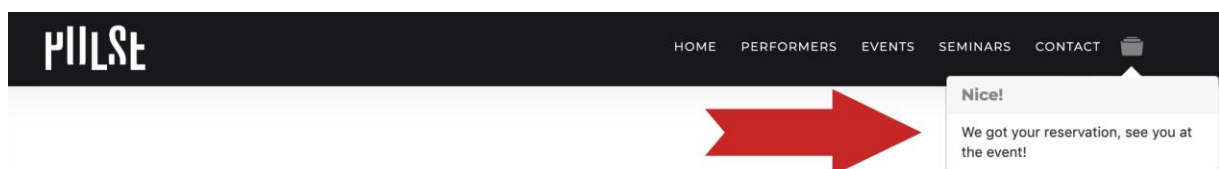
Fourth Step

After click to “Reserve Ticket” button, she has to choose the quantity, takes three ticket because she wants to go with friends:



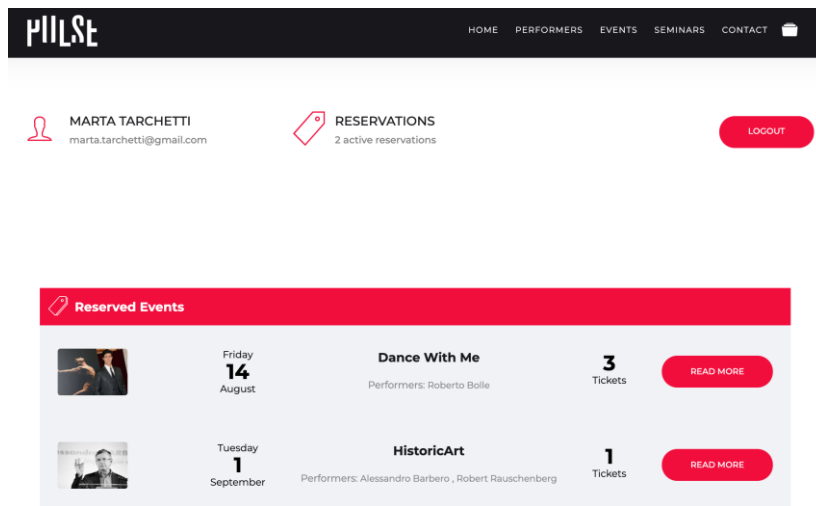
Fifth Step:

She confirms the reservation and clicking on the “My Reservation” button at the top right could see them:



Sixth Step:

Now she can see all her reservations:

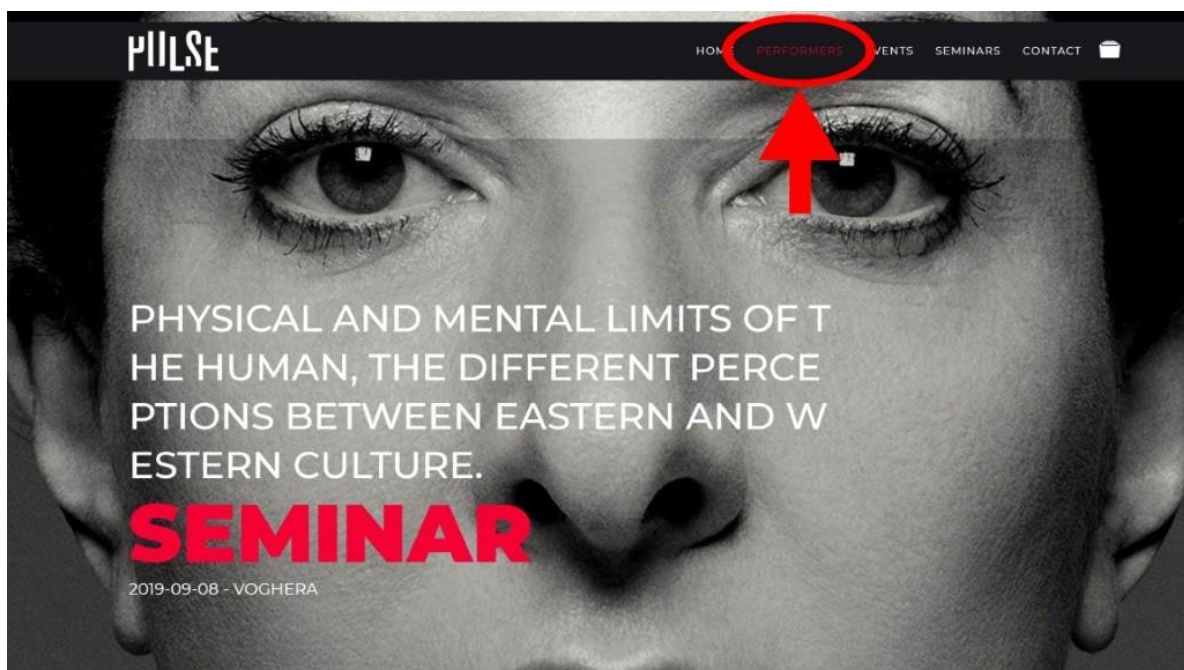


3.4 - Third Scenario

In the third scenario the user decides she wants to look for some more informations about her favourite dancer Roberto Bolle; in order to get those informations she needs to reach Roberto Bolle's page starting from the website's homepage.

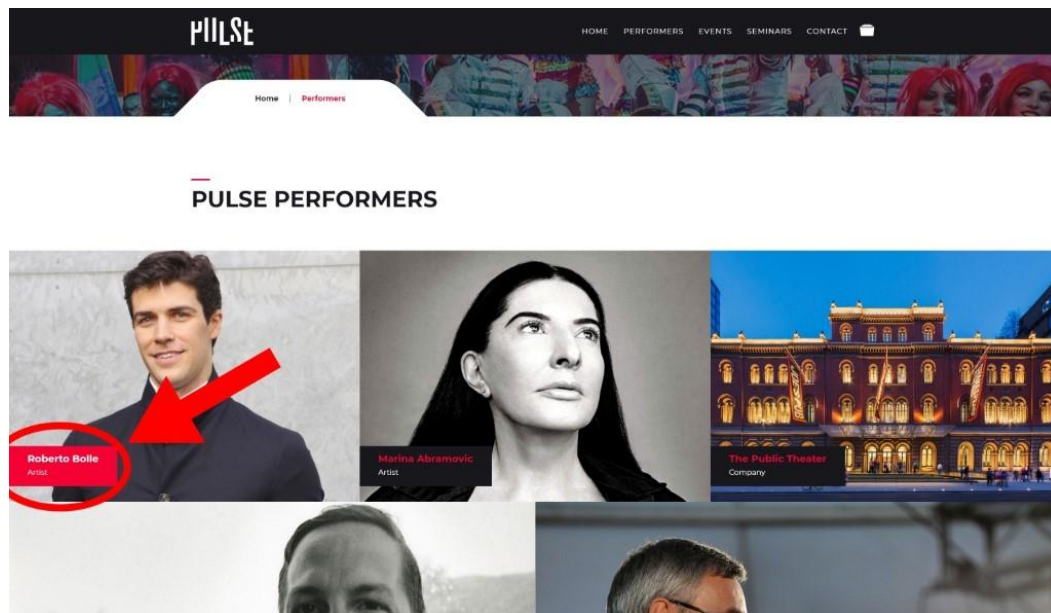
First Step

As first step the user should click on the link that brings to the "Performers" list on the right of the headbar.



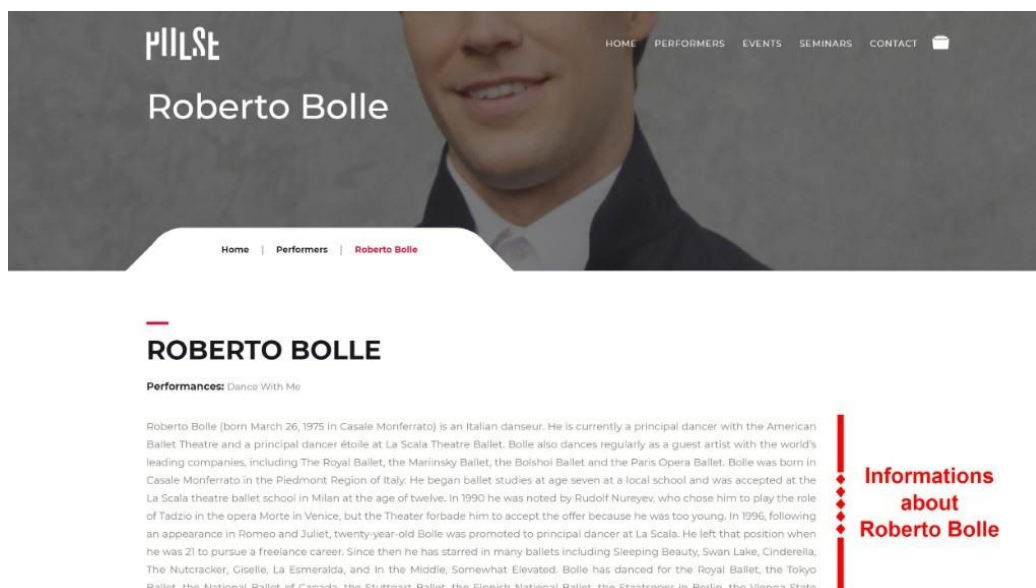
Second Step

Once in the page of the performers the user should be easily able to find the image of Roberto Bolle; once she has located it, she needs to click on his name to get to the specific page that holds the informations about the dancer.



Third Step

After the second step the user has been redirected to Roberto Bolle's informations page; there she can find all the informations about the dancer as she wanted and even a photogallery in bottom of the page right before the footer.



3 - DESIGN IN-THE-SMALL

3.1 - Overview

This third chapter of the Design Document will focus its attention on the design in the small of the website, providing a description of the elements common in each page and specific informations about each type we used in the website, paired with commented screenshot to point out the role of each element of the page. The pages have been divided in three categories: Homepage, representing the front page of the website, Transition Pages, which contain the links for the elements of a specific group, and Topic Pages, that provide the informations about a specific Topic. For each of this category

3.2 - Common Elements

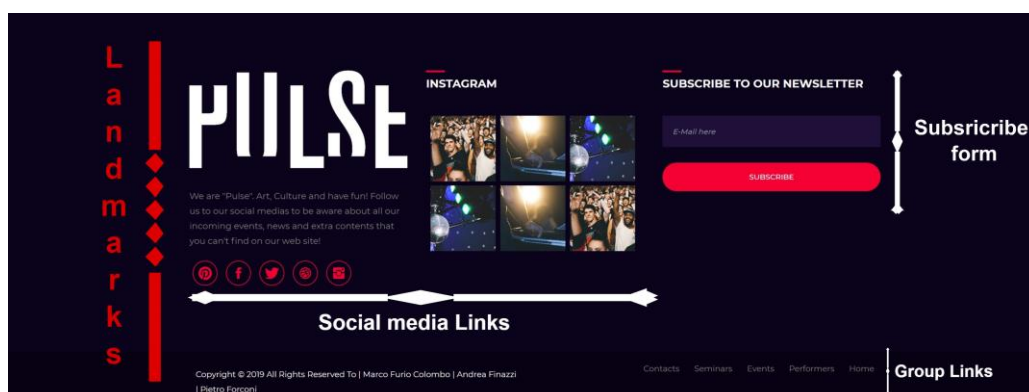
The “Pulse” website has two important static parts, header and footer, common in each page, that have the role of providing links to groups of homepage, groups, social media, contacts and reservations.

HEADER



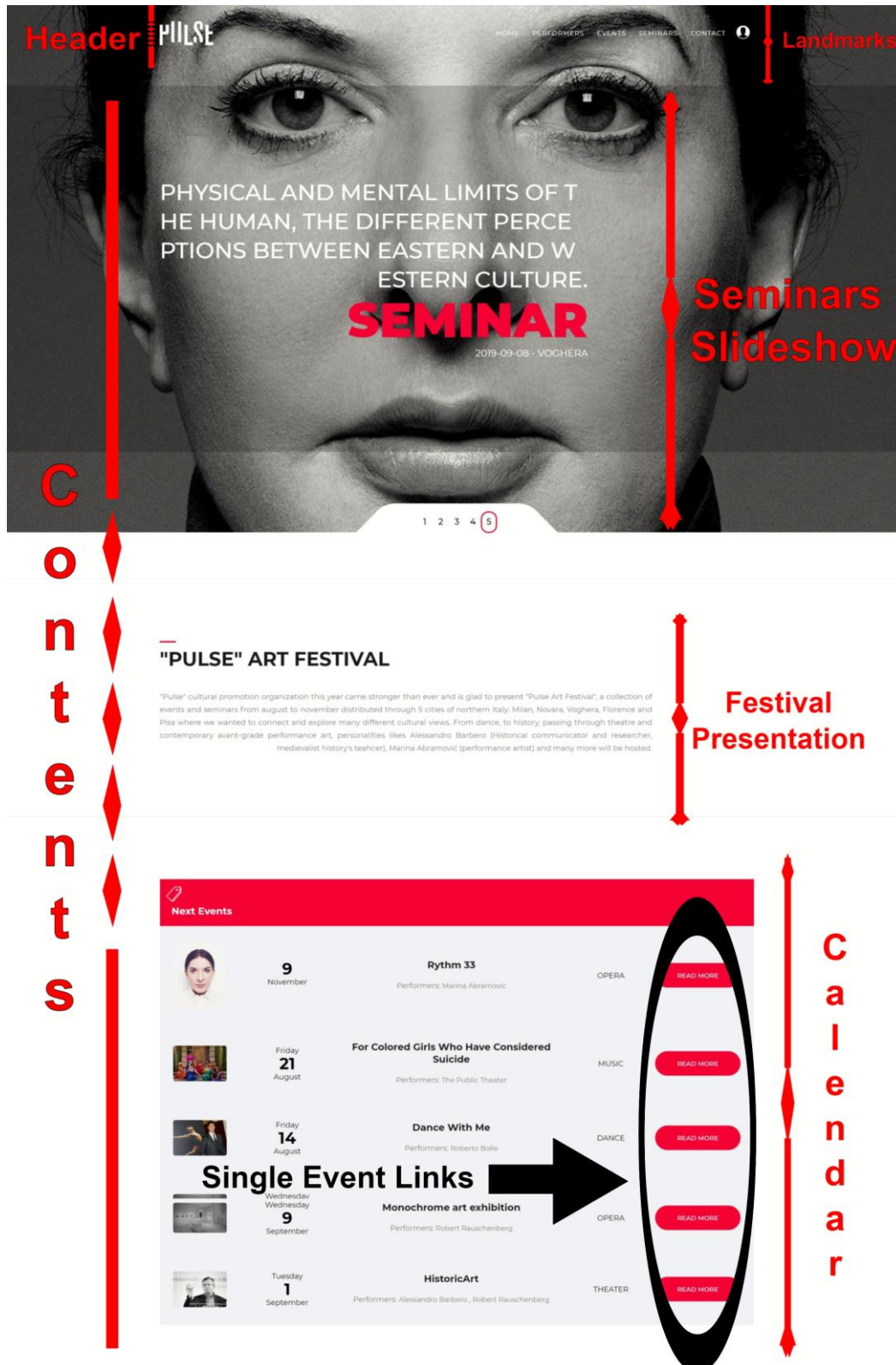
The header provides static landmarks that allow navigation between the current page and the homepage, transition pages where topics are grouped, the contacts and the sign pages.

FOOTER



The footer provide static landmarks that make available the connection to the social networks related to the website, the possibility of subscribing to the newsletter of the site and even a graphically smaller version of the links provided in the header.

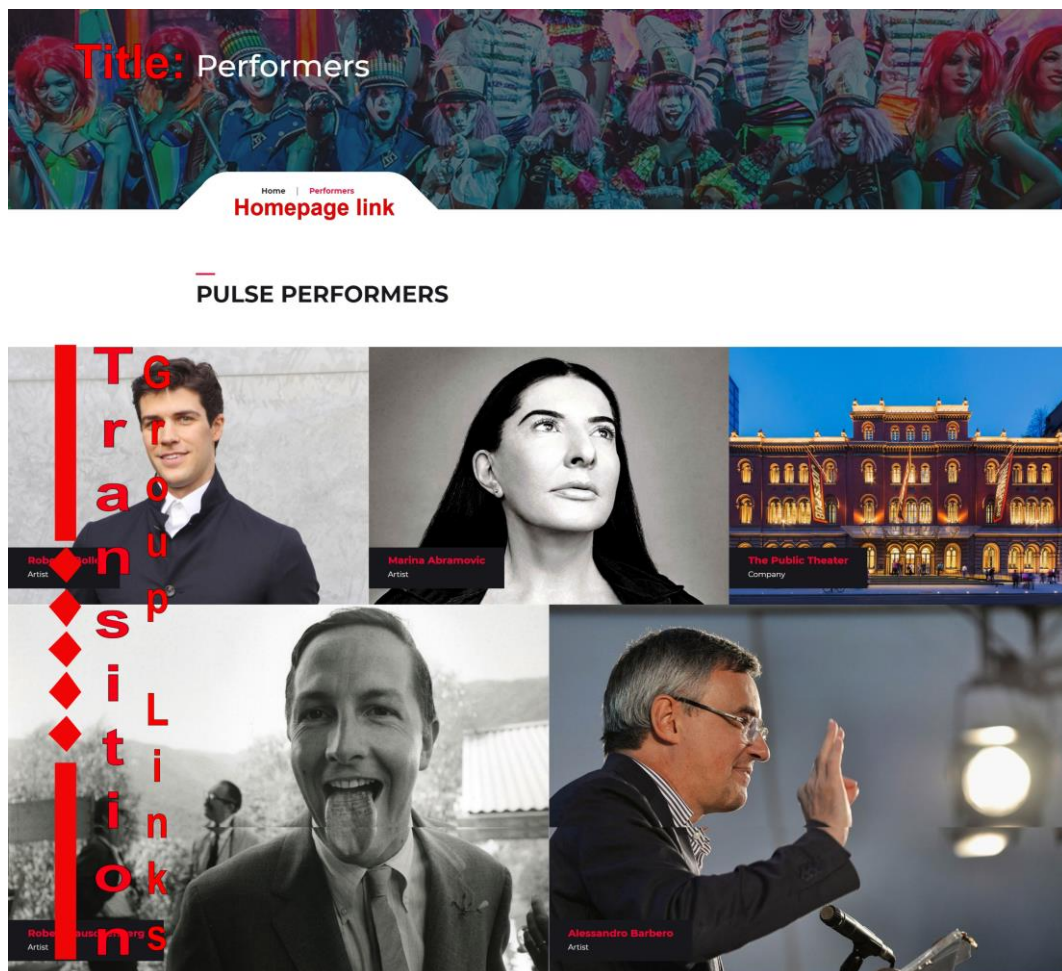
3.3 - Homepage



The homepage is the first page that the user will interact with when he/she come in contact with it for the first time; it provides the links to the groups of contents, a sldieshow with links to the upcoming seminars, a countdown until the next upcoming event, links to the social medias of the festival and the possibility to subscribe to the festival's newsletter.

3.4 - Transition Pages

The Pulse website has a few similar transition pages, so, in order to analyse the typical transition page, we decided to use Performers page that has indeed a similar structure to the others transition ones. It provides the needed transition links to the various topics and the a link to the home page. Beside that it also has the normal landmarks provided in by header and footer, which are not reported in the following screenshot.



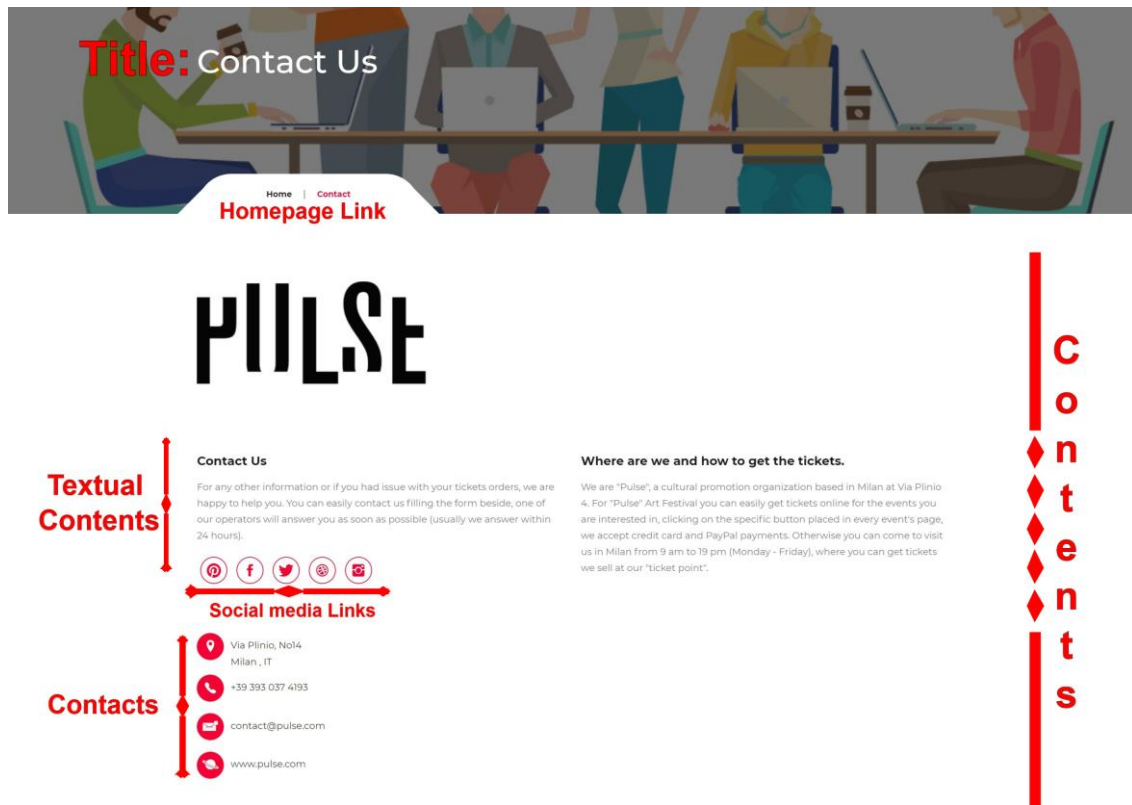
3.5 - Topic Pages



Topic pages are the final contents which a typical user will be looking for, because they provide all the informations for the effective description of contents and a photogallery. They also provide the usual landmarks contained in header and footer and links to homepage and transition pages from which the users could have reached the specific topic.

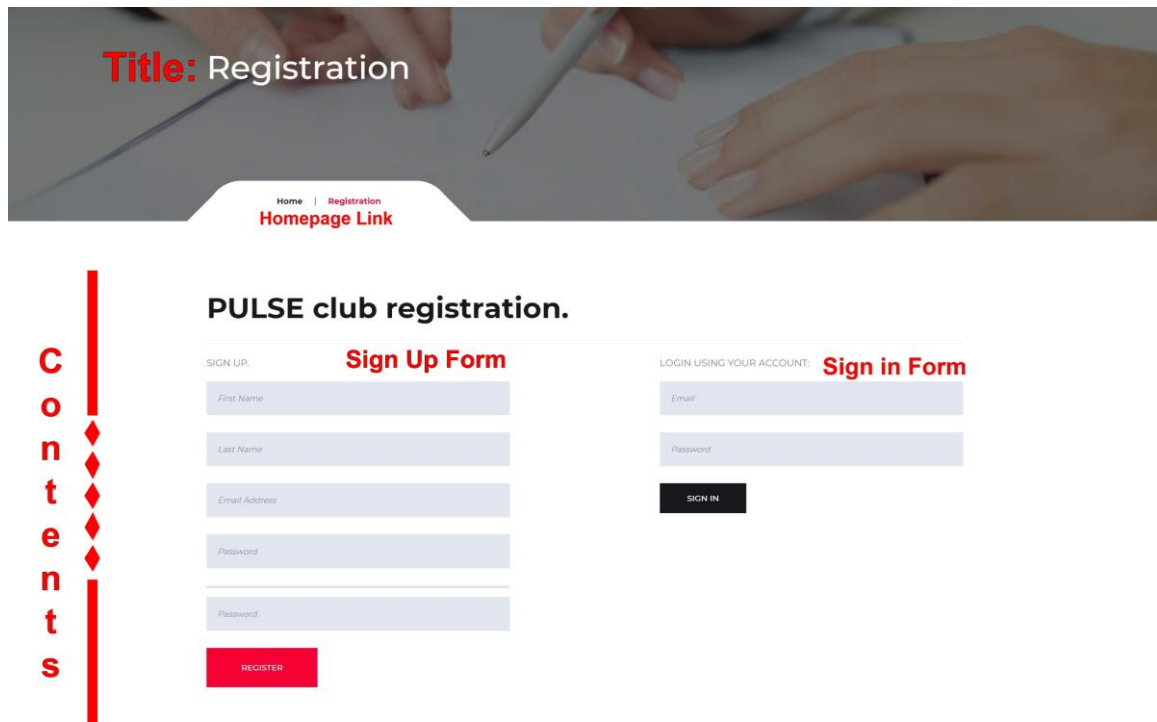
3.6 - Contacts Page

The following page highlights the elements of the Contact Us page, which provides the informations needed to take contact with the organizers of the Pulse Festival, link to the social media and a link to the Homepage.



3.7 - Registration Page

The registration page is used to get access to the personal area of the website; filling the input fields of the form a user is able to log in to his account or create a new one, in order to make reservation and being able to access his private area to see his previous purchases.



The image shows a design mockup of a registration page. At the top, there is a header with a background image of hands writing on a document. The text "Title: Registration" is overlaid in red. Below the header, there is a navigation bar with links for "Home" and "Registration", and a "Homepage Link" button. The main content area is titled "PULSE club registration." and contains two forms: a "Sign Up Form" and a "Sign in Form". The "Sign Up Form" has fields for "First Name", "Last Name", "Email Address", "Password", and "Confirm Password", with a "REGISTER" button. The "Sign in Form" has fields for "Email" and "Password", with a "SIGN IN" button. A vertical red bar with the word "Contents" is on the left side of the page.

Title: Registration

Home | Registration
Homepage Link

PULSE club registration.

Sign Up Form

SIGN UP:

First Name

Last Name

Email Address

Password

Confirm Password

REGISTER

Sign in Form

LOGIN USING YOUR ACCOUNT:

Email

Password

SIGN IN

Contents

4 - DESIGN IN-THE-LARGE

4.1 - Relations Tables

The following tables aim to clarify the structure of our database, our groups and their relations. We extracted and reported the database tables, a more detailed version (including primary keys, foreign key, etc...) is available in the backend documentation.

ARTISTIC_EVENT

id	title	fact_sheet	abstract	date
4	HistoricArt	Alessandro Barbero (born April 30, 1959) is an Italian [...]	Alessandro Barbero (born April 30, 1959) is an Italian [...]	2019-09-01
2	Rythm 33	In her latest performance Abramović will [...]	In her latest performance Abramović will explore elements of ritual and gesture. [...]	2019-11-09
0	Monochrome art exhibition	Why have artists chosen to paint in black and white [...]	Why have artists chosen to paint in black and white [...]	2019-09-09
1	Dance With Me	For An event which confirms its role as a tribute [...]	An event which confirms its role as an inevitable [...]	2019-08-14
3	For Colored Girls Who Have Considered Suicide	For colored girls who have considered suicide / when the rainbow is enough [...]	For colored girls who have considered suicide / when the rainbow is enough is Ntozake Shange's first work [...]	2019-08-21

id	type	id_seminar	id_photo	location
4	theatre	4	0	Novara
2	opera	3	2	Florence
0	opera	0	16	Milan
1	dance	1	8	Milan
3	music	2	12	Voghera

PERFORMER

id	type	name	current_affiliation	id_photo
1	artist	Roberto Bolle	La Scala Ballet Theatre	9
2	artist	Marina Abramovic	[null]	3
3	company	The Public Theater	LAByrinth Theater Company	22
0	artist	Alessandro Barbero	[null]	27
4	artist	Robert Rauschenberg	[null]	21

id	description	achievements
1	Roberto Bolle (born March 26, 1975 in Casale Monferrato) [...]	The first man able to become first dancer both for the American Ballet Theatre and La Scala Theatre
2	Marina Abramović born November 30, 1946) [...]	Winner of countless awards including the 1997 Golden Lion
3	The Public Theater is a New York City arts organization founded [...]	LAByrinth Theater Company
0	Alessandro Barbero (born April 30, 1959) is an Italian historian [...]	The Public Theater has won 54 Tony Awards, 152 Obie Awards, [...]
4	Milton Ernest "Robert" Rauschenberg (October 22, 1925 – May 12, 2008) [...]	The man that has laid the foundation for the rising of pop art

SEMINAR

id	title	date	location
0	From Middle Ages to the Digital Revolution. The Art as a culture producer.	2019-09-15	Milan
2	The increase of youth depression in the third millennium.	2019-08-14	Pisa
3	Physical and mental limits of the human, the different perceptions between eastern and western culture.	2019-09-08	Voghera
4	The fundamental historical knowledge to understand 'HistoricArt' event.	2019-08-31	Novara
1	The dancing flash mobs. An artistical expression of environmental activism.	2019-11-08	Florence

PHOTO

id	path
1	abramovic/1.jpg
....
10	colored/1.jpg
...	...

PAGES

id	name	title	content
1	reservation	Where are we and how to get the tickets.	We are "Pulse", a cultural promotion organization based in Milan [...]
...

PERFORMANCE

id_performer	id_artistic_event
0	0
1	0
1	2
2	3
3	3
4	4
1	1

USER

i	first_	last_n	e-mail	password
d	name	ame		
5	Marta	Tarchetti	marta.tarchetti@gmail.com	"\$2b\$10\$2WJv/iJJ7LHDFi3v.b0rcurnQ7dIwC6kv7g.4a.Z8sTOY6Oo250iS"
4		i		

RESERVATION

id_user	id_artistic_event	quantity
54	2	21

PHOTOGALLERY

id_performer	id_artistic_event	id_photo	id
2	[null]	1	0
...
[null]	3	10	9
...

4.2 - E-R Diagrams

In this section is presented the E-R diagram of the database used in the Pulse website; this version is not meant to be the perfect true copy of the database structure, which is already presented inside the backend documentation, but instead it aims to have a higher level graphical representation of the database.

