

Práctica Final

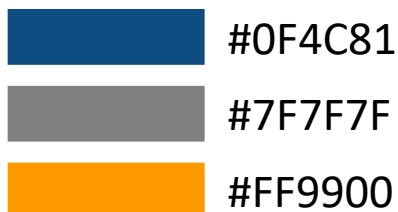


For this project we have as instructions to create a web site for an e-commerce, so the first step was to find something to sell. We find one idea about tourism sector: our website will sell activities to do in city. To summarize, it will be possible to buy tickets for these activities before your trip for example.

The next step before starting the Front end or Back end we needed to discuss about the design. So we started to create on logo and one name : Adventure City.

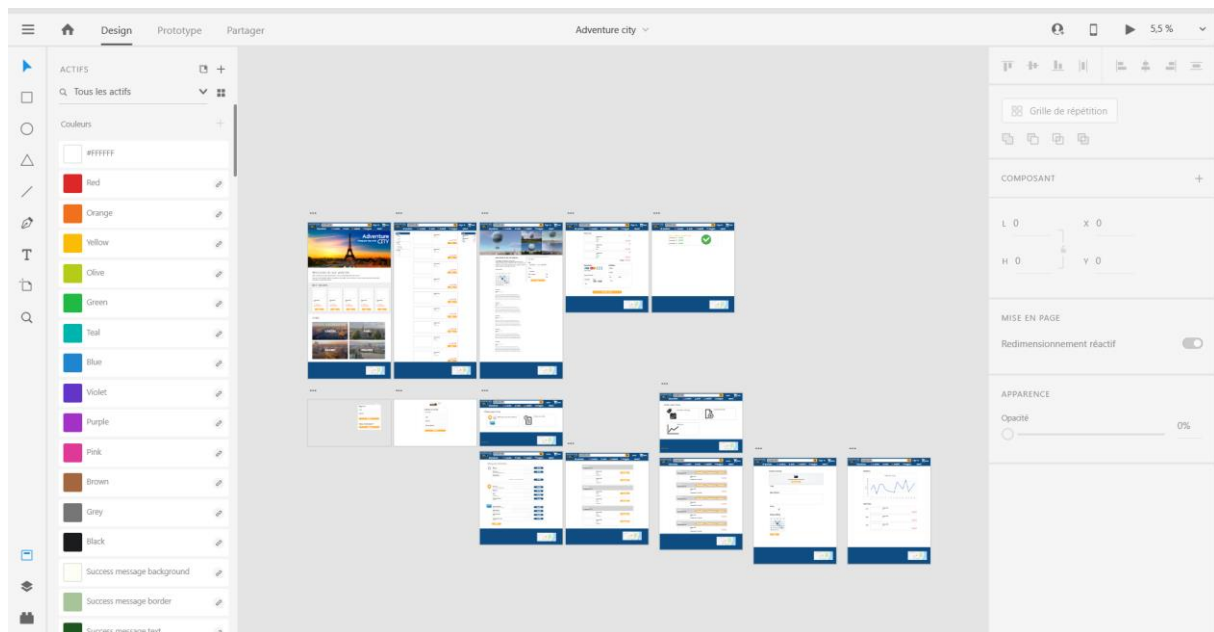


More than a logo we had our colours for the all website we will use:



This kind of topics seems to be useless in first place but it's really important to develop the Front-end.

But to develop in the same time Front and Back both part need to now where we want to go with the website and all the features we will add. For that we decided to develop on UX design with the software adobe xD.



We will not show you in detail this design because it's exactly the same the final website than we are going to present you after.

This software is nice because you can share online the document and work at the same time on it. Clement oversaw the Back End and Vitor of the Front End and this document was important for both of us to help us working at distance. It is easier to describe what we want with image than sometimes with words. This is not the topic we have the best skills to create the most user-friendly interface, but we used website as Amazon or Fnac as inspiration.

Before presenting you the project himself, we will discuss about our database. It was important to know what we will need, and we will use, how to manage all our dynamic parts. So, we finished to create 5 tables.

Table name	Columns	Description
user	Id User_name Email password	We use this table to connect users on the website and unblock features only available for connected users or admin for example.
product	Id Activity_name city description qty image_route1	This table is to store all the products we are going to create. Every feature which need products will come to select data from this table. The columns "image_route1" as his name doesn't store the file image but the route with the name where the image is store.
purchase	Id User_name Procduct_name Date_purchase Image_route City	This table is connected to both previous tables. We store information when the user is buying products. This contains information we find in other tables, but we were not enough comfortable with Mysql Joiner, so we preferred to create another table.
creditcard	Id User Card_number	This table enable us to store credit card information

	Card_name Cryptogram Month year	
address	Id Address Country City Code user	This table enable us to store the address of our customers.

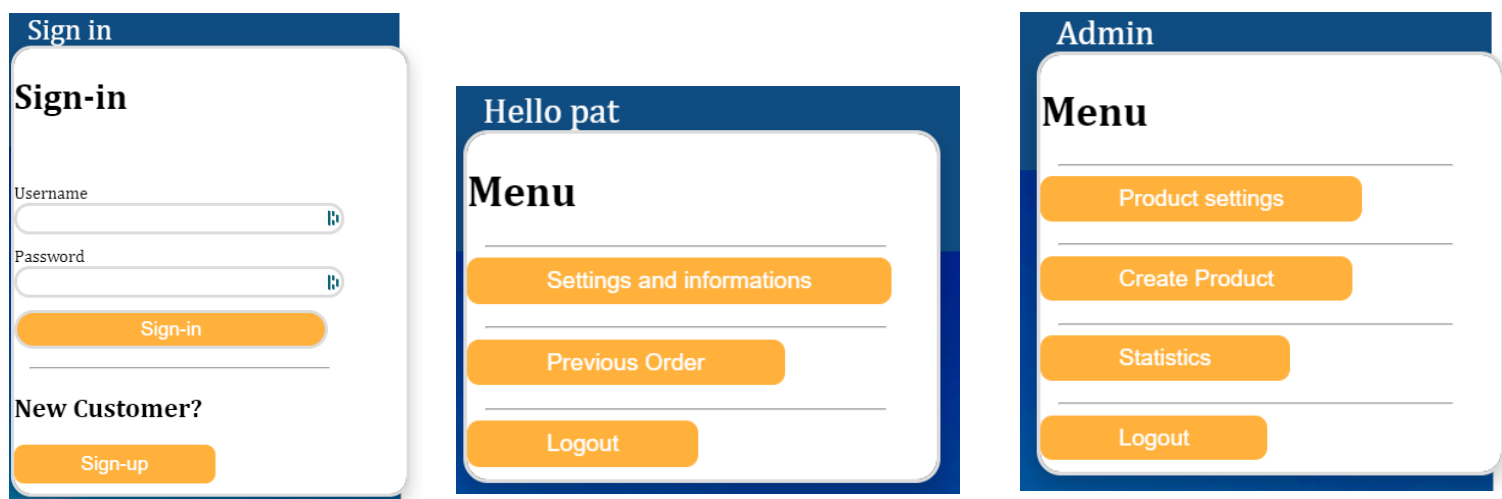
For this project we used the design pattern MVC (Model-View-Controller). And this document is here to add explanations about how we develop this website without show all the code we written. So in the next part I will present you a view of every page we create and explain you with words what happen.

We will start to present you our menu because you are gonna see it in all the pages we create (not sign up) and this a part with lot of feature. To make modifications easier the menu is a page on it's own right. This maybe our page .jsp with the most line of code.



So, this our menu. There are two parts:

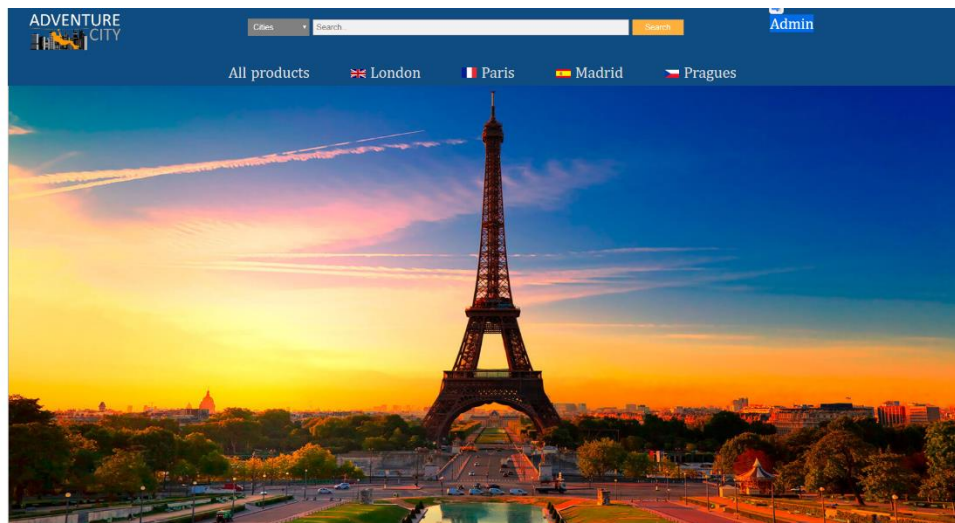
- The first part with our logo , one search bar which send to the productlist.jsp applying selecting and show to the user only the result which include the letter or word you insert. You can reduce the search by selecting the city. After that we have the Sign in button which is important to filter page access inside the website. How? There is three different under menu where you can go in different page if you are connected or not, as user or as admin.



It's really easy how we manage. When you Sign-in , we create one HTTP session who keep the user name and in our page menu.jsp we run a test to see which of the menu the page need to show to the user.

- After we have like an under menu where you can access to all our products or by cities. All this button are going to the productlist.jsp which is the "main" page of our website.

So now this is our Homepage when your access to the website.



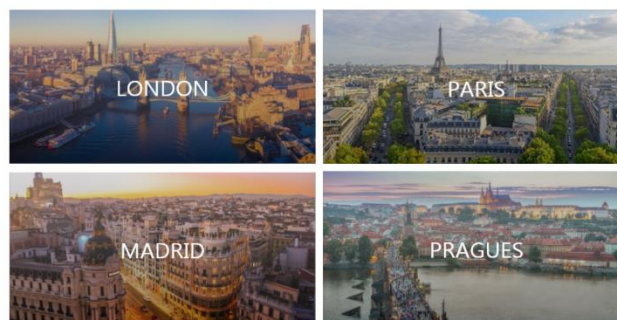
Welcome to our website

Do you like to live new experiences ? Are you boring about city tours ?
You are in the perfect place ! Adventure city offer you to discover city in unique way with suprising activities around the world !

BEST SELLERS



CITIES



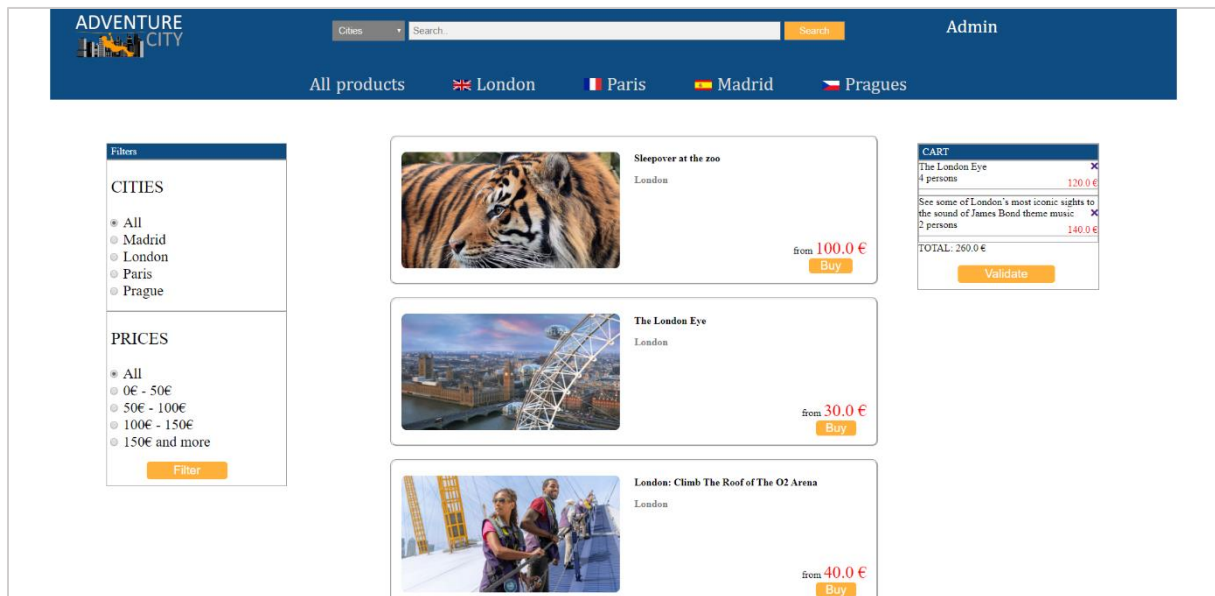
Dirección

Calle de Alberto Aguilera, 25
28015 Madrid
Espanha



There is a picture of Paris which is the most visited city in the world. Some lines to explain what the user is going to find in this website. After we have our five Best Sellers. To enable to show this it's one mysql query we execute when one user loads this page. This is for that we store the quantity bought in the website in our database.

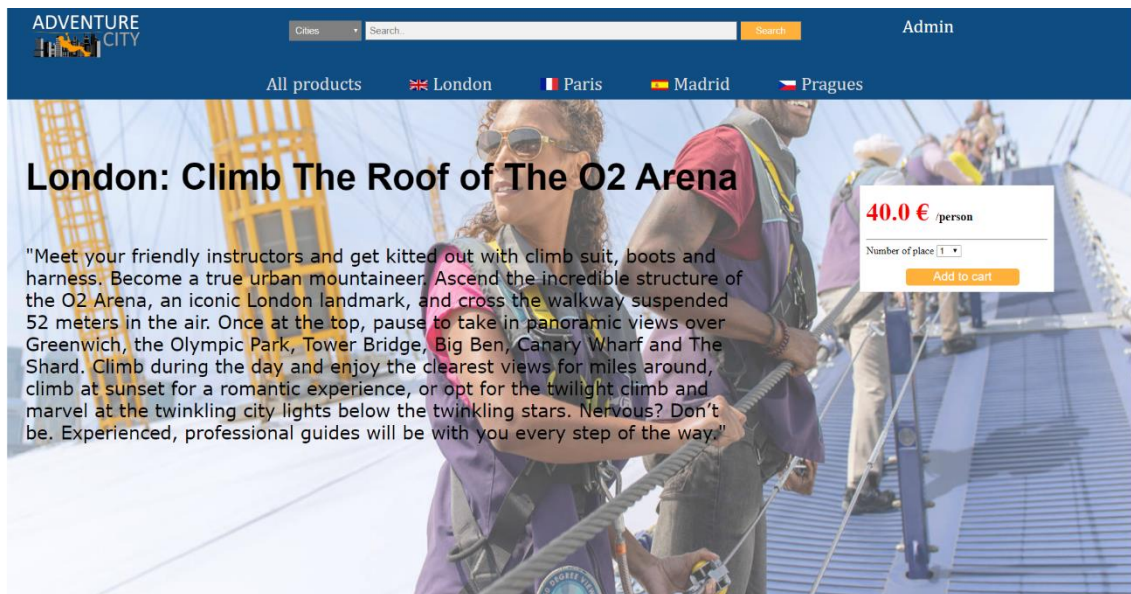
After we find again link to the productlist.jsp applying a filter by city. So now we are going to this page which is the most important page of the website. For the moment we will continue to present you the website connected as one normal user. We will tell which features is not enable during the visit if you are not connected.



This page is divided in three parts:

- On your left you have one filter part. Of course, you can apply one filter without the other even if there is one button. Here there is three different option you can find in the servlet FilterController.java : Select product with the range of the products, with the place or both. To the range price filter, we decided to have value for each range that we use in a switch to apply to our SQL Product DAO query the real values.
- In the middle you can find the frame with our different products. If you click in the button buy you are not going to add products in our cart, but you will be sent to the description.jsp.
- On your right you have your cart. This cart work with one HTTP Session "cart". This session is used to keep products in the cart when the user is navigating through the website, but you will see later that we are using it for other features. If you are not connected as user this cart is hidden.

So to add product our user need to go to description page to see the description of the products to add the product with the number of person.





Here the user can read the description of the product and choose the number of place he wants. When he clicks on “Add to cart” button we come back in our Product List page and we can see is choice inside the cart. On the back of the website to add the number of place he wants we use only on loop for to add one by one the product. You can find this in the ProductListController.java.

So now we continue our visit in the page confirm_cart.jsp. It's here that our user will check is order before validated.

ADVENTURE CITY Cities Search Admin

All products London Paris Madrid Pragues

Your Cart

	Sleepover at the zoo London 2 persons	200.0€
	London: Climb The Roof of The O2 Arena London 4 persons	160.0€

TOTAL : 360.0 €

Payment

mastercard VISA

Card number

Name in the card

Cryptogram

Address

Address

Country

City Code

Confirm order

First the user can see is products. We use here the HTTP session cart to as our cart before to show the products. You can even see it's almost the same design. There is only one new feature on the top right. In addition to have the possibility to remove on article, in this page the user can add some articles.

After as all e-commerce website you have to fill your credit card information and your address. For the moment we are not using this information but to make our website more real we preferred to keep it in our database. If all the information are right after on JavaScript function check which use Regex we finish to the page final.jsp. Here we use again our HTTP session "cart" to show the articles and when the user click on the button "Return to Home page" we delete our session cart.

ADVENTURE CITY

Cities

Search

Search

Hello pat

All products


London

Paris

Madrid

Pragues

Your order is confirmed




Sleepover at the zoo

London

2 persons

200.0€



London: Climb The Roof of The O2 Arena

London

4 persons

160.0€

TOTAL : 360.0 €


Return to Homepage

Dirección

Calle de Alberto Aguilera, 25


28015 Madrid

Espanha



So, we saw all the procedure to buy products in our website. But it is not the only features we have to implement in our site.

First if you do not have account you need to sign up as we saw, you can find it in the under menu when you click in the button "Sign in".



Create Account

Choose Username*

Email*

Password*

Repeat password*


Sign-in

This page is really simple but if you try to create an account on Amazon , you will see all the same design so we think this the best way to create a sign up page. Of course, behind this form there is one Javascript function which check what you enter in the input. If there is some wrong one sentence will appear behind the input in red to tell you what is wrong.

So now you have an account which enable you to have access to different pages...but it depends what kind of user you are.

Basic User

The first page User account enable you to have access is to modify your information :



Cities

Hello pat

[All products](#)
[London](#)
[Paris](#)
[Madrid](#)
[Pragues](#)

UserName :

pat

Email :

pat@comillas.es


Password :

Dirección

Calle de Alberto Aguilera, 25

28015 Madrid

Espanha



And the second page more important is previous order :

Adventure City		
Hello pat		
All products London Paris Madrid Pragues		
Ordered : 2020-05-06		
	London: Climb The Roof of The G.U. Area London	See more
	Singapore at the zoo London	See more
	The Pavilion Cascaides Paris	See more
	Midnight ride Paris	See more
	Midnight ride Paris	See more
Ordered : 2020-05-01		
	La Ballon de Peint - Deltine Concept Paris	See more
	The Pavilion Cascaides Paris	See more
	Singapore at the zoo London	See more
Ordered : 2020-05-01		
	The Pavilion Cascaides Paris	See more
	Hiver d'été à Portofino? Inside the Terrace Brunches Vietnam Madrid	See more
	Singapore at the zoo London	See more
	Mexico from above Madrid	See more
	Singapore at the zoo London	See more

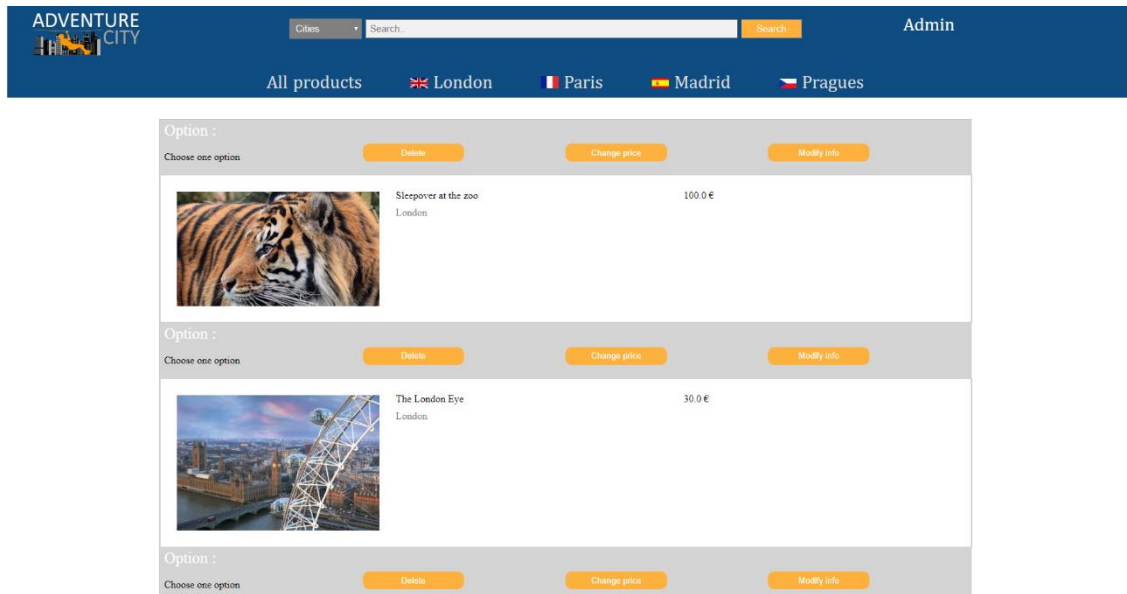
If this page we need to test different conditions in the JSP file:

- The first condition it is to check if the article is from the same purchase day or not

- The problem we had it's when an user confirm a purchase for example 3 places to Sleepover the zoo we will insert 3 lines in the table so the second condition check if there is the same activity name in the row to don't add it to the page.

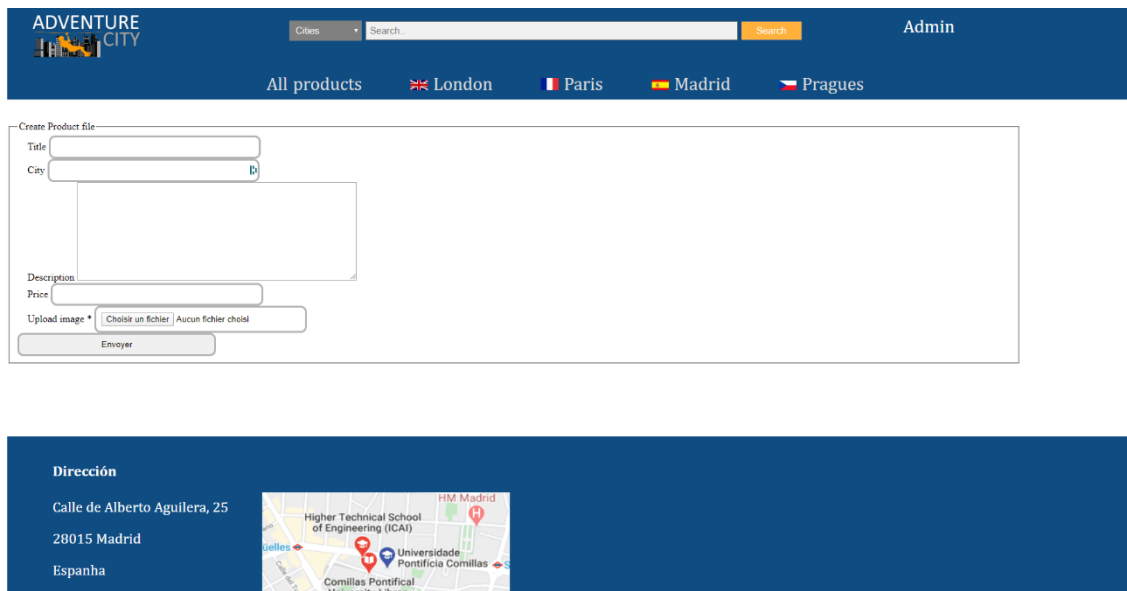
Admin User

The first page is Product Settings. Unfortunately, we run out of time to finish the project, so some parts are not finished. For example, in this page is there is only the feature "Delete" available.



This page is like Product List page but there is a menu over all the activities where you can Delete, change price or modify info.

The second page which Admin can have access is Create products.



WARNING: to work in your computer you need to change the path in web.xml for the servlet Create Controller to download the images in the good image on your computer.

Other page we didn't have time to do it it's the page Statistics and there are not all the exceptions threated. But even without this features the website work really well , and as a real context we preferred to finish first the part where every users has access.