

Final Project

Title: Responsive Website development in Bootstrap with access to database tables

Objectives:

This activity is intended to aggregate the different subjects taught in this UC in order to provide students with a global vision of the Web development environment.

At the end of this work, students should be able to practice the basic components of the elaboration of a website recurring to bootstrap framework. In addition, students should be able to create access to a database to store and retrieve information.


Students must acquire basic knowledge of HTML, CSS, Javascript and PHP technologies.

Description:

The theme is free. Each group can define the theme you want as long as it respects the minimum requirements listed below. It is intended to develop a website that provides responsive navigation through information related to activities regarding the chosen theme. Use the bootstrap framework to accelerate development.

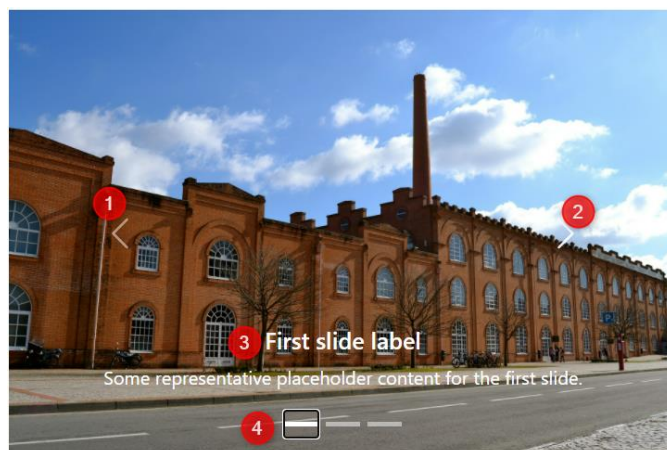
Minimum requirements:

- All pages should be responsive and have a **responsive menu** of options (at the very least, these options should exist):

 AirbnbRent

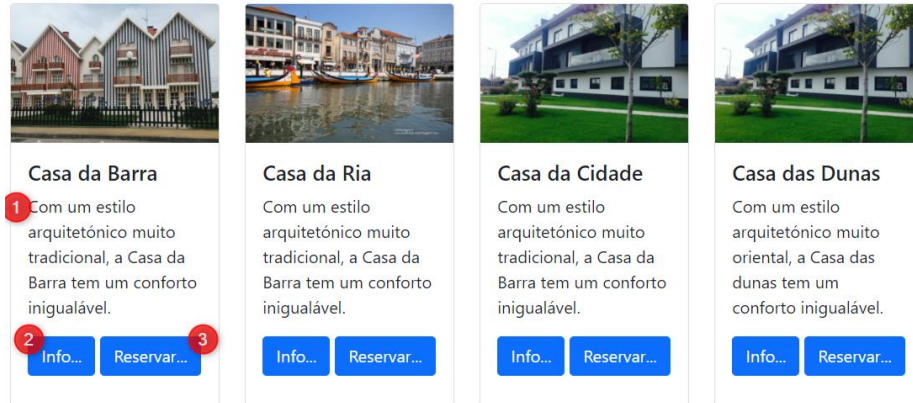
Home Gallery Booking About us Contact Admin

- The **homepage** should be composed by (at least) the following elements:
 - “**Carousel**” with a slide of a minimum of four images (adapt the images to your subject interests)



- The “carousel” of images should allow the navigation shown in the above image (2 and 4).
- The “carousel” of images must allow the insertion of text to describe the image (3).
- The “carousel” of images must present indicators to go directly to an image (4).

- **There must exist cards with 4 images and initial text (1)**

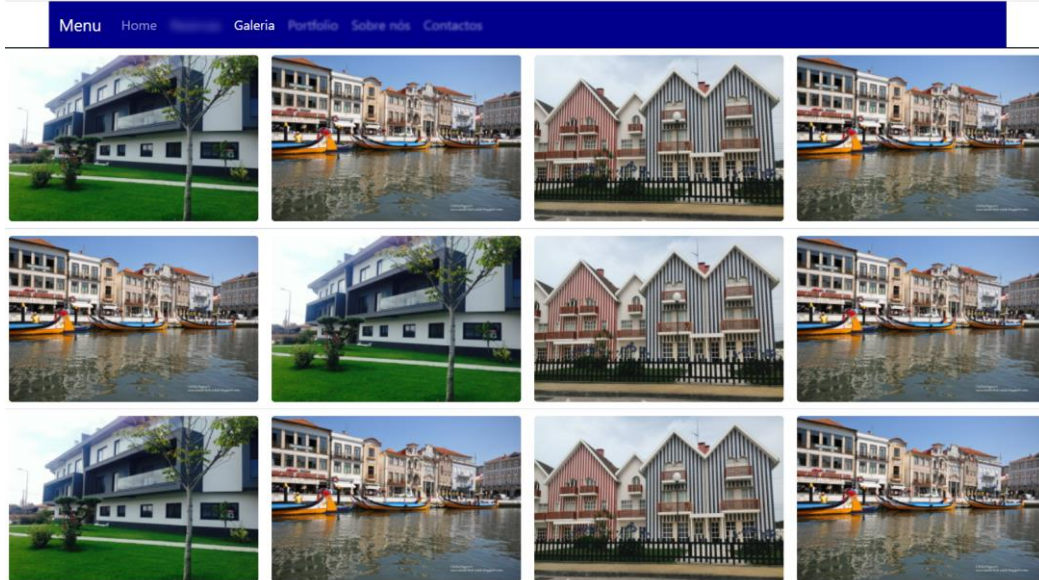


- It should be possible to expand more information - expand / **collapse button** effect (2)
- There should also be a 2nd **button** for the "Booking" option (3)
- **By clicking on the "About us" option (main menu) you should go to the "About us" page of the homepage:**




- This page should present text (1) and (3) Images (2)
- And a **button** that should allow to go to "Contact us" (4)
- The homepage should also have a footer with free information (whatever the group wants to put there)

- The page "Gallery" should present a responsive table with images:



- On the "Contact us" page, there should be a contact form (to submit questions) where you will be asked for the name, email address and the question to ask.
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- When you select the "Admin" option, you should access a new menu that allows you to insert a new record and list products, services, bookings, etc. (whatever makes sense for the site).

- You can create as many tables as you need to make sense of your site, however, one of these tables (products, services, bookings, etc.) must have a number and types of fields approximately identical to the form below (booking form).

 AirbnbRent

Home Gallery Booking About us Contact Admin

House 2 — Beach Apartment

Check-in date

21/12/2025

Check-out date

24/12/2025

Duration: 3 nights

Available for the selected dates.

Email

flinstone@gmail.com

Password

.....

Address

Sun rod 123

Address (line 2)

Apartment, hotel, house, etc.

City

Gaia

District

Porto

Postal Code

1234-567







☒ I want to receive the weekly newsletter with updates.

Submit

Clear

- The "Submit" option should allow records to be inserted into database tables using the appropriate form.
- The "List rents" option should have the option to edit (for changes via a form) and remove at the end of the record. The remove option should allow the entire record to be shown in a form with disabled fields and 2 buttons (one for "continue" and delete, and a second button for cancel).

User / Booking

ID	Accommodation	Email	Dates	Duration	Options
1	City Center Studio	admin@example.com	01/06/2024 - 3 nights 04/06/2024		 
2	Beach Apartment	jane@example.com	15/06/2024 - 2 nights 17/06/2024		 
3	Country Villa	mike@example.com	25/07/2024 - 3 nights 28/07/2024		 

Technologies:

Editor: Visual Studio Code

Programming languages: HTML + CSS + JavaScript + PHP and the Bootstrap framework

Groups, Deliver and Presentation:

- The delivery and presentation should take place on:
- Maximum presentation time: 30 minutes