

Product development: Artifact 10

1. Installation

To use our project just download the archive below and extract the files to a web server like gnomo.fe.up.pt.

Source Code of the Final Product

2. Usage

2.1 Usage Instructions

Here we include the usage instructions that are more important.

2.1.1 Search

At <http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/home.php> you can use the provided search bar to start searching for Complexes (there's a tooltip for this), by providing keywords like "Complexo Bob" or simply "Bob".

2.1.2 List Complexes

The search bar will lead you to for example this page:

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/searchResults.php?search=Bob>

You can then refine your search using the advanced search form to the left.

2.1.3 View Complex

Pressing Check Complex at List Complexes will take you to for example this page:

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/sportComplex.php?complexID=105>

Here you can view information about the complex and see the spaces it contains, rent space will take you to the renting area.

2.1.4 Login

For you to have access to your account, you have to provide, in the login page, your username and password.

2.1.5 Register

If you want to register a new account, you to press Sign Up and fill the required fields. The registration will only take place after all the fields are complete and with valid information. For example, you can't register a new account if the e-mail is not valid.

2.1.6 Logout

When logged in, you can log out from your account by pressing Log Out. After that, you won't have the permissions you previously had.

2.1.7 Reserve

When viewing a complex (2.1.3 View Complex), pressing rent space will take you to the renting area: <http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/space.php?spaceID=123>

To start renting you need Registered User credentials (provided below), then you must fill the required fields (there's a tooltip for this).



Example way to fill the fields

Pressing the paypal button will let you pay and register the reservation.

2.1.8 Register Sports Complex

When logged in, as you press Manage Complexes, you will be redirected for your complexes page. Whether you have, or not, an already registered complex, if you press Add Complex, you will be able to add a new one. Here, you have to fill all the required fields and select a representative picture of your complex (this is optional and you can add a picture later). Here, the complex will only be successfully registered if there is no field to fill and if the information provided is valid. For example, you can't have an invalid e-mail. If you do so, an error will be shown.

2.1.9 View Space

You can view a space in any complex page that already have one or more existing spaces. To do so, press Check Complex and the information about the complex and its spaces will be shown. By pressing Rent Space, you will be able to view the informations about every space a certain complex has. Additionally, when you register a new complex (or if you just press Manage Complexes), if you press Manage Spaces on a certain sports complex, the information about the spaces your complex has will be displayed. If the complex doesn't have yet any space, there will be no information.

2.1.10 Add equipment

To add equipment you will need a managers account (provided below), you can do this at <http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageComplexes.php> pressing Manage Equipment which will take you to <http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageEquipment.php?complexID=99> (login as andreia13 to view this), press add new equipment to add the equipment.

2.1.11 Add space

To add a space you will also need a managers account (provided below), you can do this at <http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageComplexes.php> pressing Manage Spaces which will take you to <http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageSpaces.php?complexID=99> (login as andreia13 to view this), press add space to add a new space.

2.1.12 View Reservations

To view your reservations you need a register used account (using again as example andreia13), navigate to <http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/manageRentals.php> where you can view the reservations made by that user.

2.1.13 Cancel Reservations

Navigating to the same menu as in view reservations with the account mentioned, you will find reservations with a cancel button, those are reservations that still haven't occurred and so can be canceled pressing the respective button.

2.1.14 Manage Spaces

To manage your spaces you will also need a managers account (provided below), you can do this at <http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageComplexes.php> pressing Manage Spaces which will take you to <http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageSpaces.php?complexID=99> (login as andreia13 to view this), here you can add spaces as previously mentioned and edit the information.

2.2 Necessary Credentials

	Registered Users	Managers		Admins
Username	Tr1b0lt	andreia13	xjupiter	adam
Password	joma93	andreia13	123456	123456

2.3 Product URL

<http://gnomo.fe.up.pt/~lbaw1653/final/>

3. Online Help

In several pages, where we found the interface to be more complex, we placed some tooltips (represented by a question mark in a square) with instructions to proceed. Some examples:



Example of a tooltip at <http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/home.php>



Another example at <http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/space.php?spaceID=123> (requires the user to be logged in)

4. Form Validation

All the forms present in our project were validated with HTML5 (used mainly for dates and time inputs), JS and PHP.

The JS and HTML5 validations allow us to show the user if there are any wrong inputs and the correct way he should insert it, before sending that information to the database.

The PHP validations allow us to tell the user if any input is wrong based on the already inserted information present in the database, for example, if the username already exists.

If logged in with the account with the username “andrea13”, some examples of pages where the form validation is performed are:

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/authentication/signup.php> - here the signed up form is validated.

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/authentication/login.php> - here the login form is validated.

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/profile.php> - here the edit profile form is validated.

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/addComplex.php> - here the add complex form is validated.

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/editComplex.php?complexID=99> - here the edit complex form is validated.

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/addSpace.php?complexID=99> - here the add space form is validated.

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageSpaces.php?complexID=99> - here the edit space form (in the “edit space” pop up) is validated.

<http://gnomo.fe.up.pt/~lbaw1653/final/pages/managers/manageEquipment.php?complexID=99> - here the add equipment form (in the “add equipment” pop up) and the edit equipment form (in the “edit equipment” pop up) are validated.

5. Validation Usability and Accessibility

5.1 PDF Files

Accessibility Report

Mobile Usability Report

Web Usability Report

5.2 Scores

Web Usability: 25 / 28

Mobile Usability: 23 / 25

Accessibility: 18 / 18

6. HTML and CSS Validation

CSS Validation Report

Home Page HTML Validation Report

Search Page Validation Report

Link to page: <http://gnomo.fe.up.pt/~lbaw1653/final/pages/users/searchResults.php>

7. Revisions

We had to add a new rental state called Canceled By Admin. We had previously planned that the Admin could suspend a rental in order to investigate an issue and then change its state to concluded when the issue was solved, but due to the fact that when this change to concluded occurred, the money was released to the Space Owner, there was no actual way to refund, so this state appeared.

Both statistics pages (admin and manager) were slightly changed to include more complex and relevant statistics, such as the most popular sport and the user who rented the space more.

8. Development

Identifier	Name	Priority	Assignee	State
U01	Search	high	Eduardo Leite	100%
U02	List Complexes	high	Ademar Leal	100%
U03	View Complex	high	Eduardo Leite	100%
UU01	Log in	high	Francisco Queirós	100%
UU01	Register	high	Francisco Queirós	100%
RU01	Log out	high	Francisco Queirós	100%
RU02	Reserve	high	Andreia Rodrigues	100%
RU09	Register Sports Complex	high	Andreia Rodrigues	100%
RU10	View Space	high	Eduardo Leite	100%
M03	Add Equipment	high	Andreia Rodrigues	100%
M04	Add Space	high	Eduardo Leite	100%
M10	View Reservations	high	Ademar Leal	100%
M14	Cancel Reservations	high	Andreia Rodrigues	100%
M18	Manage spaces	high	Francisco Queirós	100%

From:

<http://lbaw.fe.up.pt/201617/> - **L B A W :: WORK**

Permanent link:

<http://lbaw.fe.up.pt/201617/doku.php/lbaw1653/a10>

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