

wEB pROGRAMMING

Test and Conclusion



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Introduction

The focus of this document is to completely cover all the technical aspects of the website through a series of tests. The subjects of the tests are the functionalities in a first point, seconded by the design elements of the website. Following this plan, it will highlight how the website we designed fulfilled your needs in a simple and comprehensive way.

We will end by adding a personal approach to this document covering what we would like to Improve as well as what we learned.

Test: Login Page

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| --- | --- | --- |
| Name of The Test | Expected Result | Result |
| Enter username and password existing | Redirection to the logged in page. | User is redirect to the Logged In page with a welcoming message. |
| Create new account with username not already existing | Refresh page with User created message. Creation of user in Database. | Refresh page with message User created. Creation of the user in the database. |
| Create new account with username already existing | Refresh page with error message. No creation of user in Database. | Refresh page with User Already Taken message. No creation of user in Database. |
| Login with incorrect Id’s | Refresh page with incorrect id’s message. Not logged in. | Refresh page with Incorrect username or password message. Not logged in. |
| If remember me checked next time user need to login the form is already filled | Already filled Username and Password if trying to login another time. | Form is already filled if you login clicking remember me, logout and go on the login page again. |
| If remember me is not checked, the next time user need to login the form isn’t already filled. | Empty Form if trying to log in another time after “remember me” wasn’t checked. | Form is empty if you login, don’t click remember me, logout and go on the login page again. |

Test: Home Page

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| --- | --- | --- |
| Name of Test | Expected Result | Result |
| Not Logged in on Home page | You have the LOGIN option in the menu and the Explore me message on top. | Explore me message on top left.  In Sliding menu, Login tab. |
| If Logged in on Home page | Welcome message on top left. Login replaced by Logout option in the sliding menu. | Welcome “username” on top left. Login replaced by Logout option in the sliding menu. |
| Add Pictures if not logged in | Should redirect to Login Page. | Redirects to Login page. |
| Add Pictures if Logged in | Should redirect to Add Pictures page. | Redirects to Add Pictures page. |
| Removes Pictures if not logged in | Should redirect to Login Page. | Redirects to Login page. |
| Removes Pictures if logged in | Should redirect to Remove Pictures page. | Redirects to Remove Pictures page. |
| Access Pictures if Logged in or not | Should redirects to Pictures page. | Redirect to Pictures page. |

Test: Add Pictures

|  |  |  |
| --- | --- | --- |
| Name of the Test | Expected Result | Result |
| If not Logged in | Can’t access the page | Redirects to Login page |
| If Logged in | Access the Add Picture page | Redirects to Add pictures page |
| Adding a Picture needs to have an URL and a description | Can only enter an URL, forced to enter a description. | Won’t let you submit if you don’t enter an URL. Output a bubble over URL saying enter an URL. Won’t let you submit if you don’t enter a description. Output a bubble over description saying enter a description. |
| If URL is not a picture | Refresh page saying you aren’t adding a picture. | If you don’t put a picture URL the page will refresh and the message will appear. |
| If URL is a picture | Refresh page saying you added a picture. Picture URL and DESCRIPTION are added to the gallery table with their ID and the user id. | Refresh page saying you added a picture. In gallery table, the image is added with all her attributes. Note: Sometimes the algorithm has trouble recognizing a picture from too long or customized URL |

Test: Remove Picture

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| --- | --- | --- |
| Name of the Test | Expected Result | Result |
| If not Logged in | Can’t access the page | Redirects to Login page |
| If Logged in | Access the Remove Picture page. | Redirects to Remove pictures page. |
| If user enters a valid picture ID | Delete the row in the gallery table associated to the picture ID. Reset the pictures ID. | Row deleted in the Picture gallery associated to picture ID. Reset all pictures ID so it stays in order. |
| If user enters an invalid picture ID | Output error message. | If you click on remove with an inexistent picture ID. The page refresh and tells you the Id you entered is inexistent. |

Test: Logout Page

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| --- | --- | --- |
| Name of test | Expected Result | Result |
| Logout the user | If Logout tab is clicked, the current user session is destroyed. You are redirected to the home page with a success logout. | If you click on Logout, you are redirected to the Home page with the message You have been successfully logged out. Your session is destroyed and you can now login. |

Test: Gallery Page

|  |  |  |
| --- | --- | --- |
| Name of the Test | Expected Result | Result |
| Gallery Access | Guest or Users can access the gallery | Guest or User access the gallery by clicking the pictures tab |
| Gallery if Add picture filled | Add the picture on top of the page with the Description and the Id | Add Pictures on Top of the page with the description and the ID |
| Display of Pictures | All the pictures are aligned with the same width | Everything is Respected. |
| Gallery If remove picture filled | Remove the picture selected, reset the ID of the pictures in the gallery and refresh the gallery. Display the new gallery. | Remove the row of the picture selected in the gallery table., Reset the ID of the pictures in the table. Display the new gallery. |
| Back to Top button | If you click on the Back to Top button the page you take you to the top. | Refresh the page. User is at the top of the page. |
| Search bar | User enter a word or an ID and press enter to validate.  If there is a match, opens a new tab with the matching elements at the top. If no matches output an error message saying no match. | When the user press Enter, a new tab appears. If there is matches to his research, they appear at the top. If there isn’t, an error message saying no matches found is displayed on top left. |
| If user clicks on a picture | Picture is opened in a new tab with full resolution. | Picture is opened in a new tab with full resolution. |

Test: Other functionalities

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| --- | --- | --- |
| Name of the Test | Expected Result | Result |
| Social medias | When the mouse is over an icon, the icon is filled in orange.  If you click on them it redirects you to the accorded social media. | If hovered with the mouse the button becomes orange. If you click on them a new tab appears redirecting you to the following medias. |
| Sliding menu | If you click on the menu on top left a slider appears smoothly with all the page tab. | When clicked, the slider appears from the left with a smooth transition. You can then choose the tab you want to go in. |
| Background picture | If not on home page, the background should be the same but blurry.  If on Delete page the background is different from the other pages. | Backgrounds of the pages are all the one of the home page but blurred. The Remove page background is a different picture. |
| Colour Theme | All the text is White. All the buttons are filled in brown.  All the borders are in black. | Conditions are respected. |
| Site Resolution Adjustment | Sites need to be automatically adjusting to your resolution | The majority of the elements are adapting to the resolution of the user. |

Personal Approach

This assessment was enjoyable to do for me. I didn’t know anything about web programming before this course and seeing what I achieve makes me proud. It is entertaining to do because you feel that you are producing something and when you have an idea the facility of the language and the resources that you can find makes it easy to realize. By just using basic functionalities and choosing the right design, you can produce something that looks professional. I have also learnt a lot of techniques and I feel now confident in producing websites.

I’m also satisfied with the functionalities this website offers because it is complete and do everything that was asked. I’ve also tried to push it a bit further by adding some functionalities that wasn’t asked like registering users or having an algorithm that checks you are adding a picture by analysing your URL.

Now I’m a bit disappointed about the security aspects of the website. I just did some basic security about the SQL injections but I feel that if you want to secure your website it will never be fully possible. There is so many things to care about and so many details to pay attention to when securing a website that just by the idea of it I got completely overwhelmed and decided to just focus on the basic stuff. If I had more time, I also would have liked to implement java script functionalities or jQuery. These two things I didn’t go too deep into because I didn’t have much time and we didn’t talk about them in class, could have helped me adding some cool functionalities. For example, my back to Top button is just a page refresh, instead, I would have preferred to make the page slide to the top.