Mandatory Assignment 1: Umbraco

Umbraco solution for the Aarhus Web Developers Network

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Link to Github : https://github.com/LaurynasNaujokas/aarhus-web

Introduction

The idea of the project is to create a website for a web developers who decided to establish a professional network, that enables network members to work together in different constellations on various projects. Projects has to types, ones are commercials and others are charitable.

In order to create a website that fits this idea, some of necessary tasks must be done in order to achieve desires of the website. The website should be friendly to SEO, have dynamic navigation which includes dropdown, different pages for different content, Log-in, Log-out functions, different permissions for different users, Database connection, form validation and contact us page with a form etc. It must be achieved by using the Umbraco CMS platform.

The Website Menu

The website menu is generated easily with umbraco. To make new partial View Macro File has to be created with a Navigation's snippet in it where auto generated code appears.

In the code we are creatine a selection variable where we store all the children nodes that are visible. By having an array of items we are ensuring that it is not empty by checking if (selection.length > 0). If it is more than 0, than we proceed to the third step where we create the html tags and use foreach function to iterate through our selection array. Afterword, <li> item is created where we give specific properties to be displayed in the navigation. Also, to include navigation in all our pages, we use the snippet code in our Master template in order to be displayed. @Umbraco.RenderMacro("mainMenu").

Site Menu

Site Menu Site map was created to have a better look at the pages what could be visited. Site map was made almost the same like menu. Showing it as a list <ul> <li> <a> Html tags were used where foreach function was used in order to display every item in the array. The site map was included in Master's template with a code snippet of Partial view. @Html. Partial("sitemap") to be shown in all other pages without needing to implement it separately.

Website Access Control

Access Control was implemented in order to prevent unlogged users to have access to members page with an exception that they could only see completed projects in the dropdown.

In order to show the user that he/she has no access to one of the pages that need to be logged in they were redirected to the log in page to show that they have first to log in in order to have access.

Other option is that if the user is logged in, but has no access, new page would appear informing that user has no permission to see that page.

Log in

To create a login partial view was created, with jQuery to have a client side validation without needing to be redirected to another page just to inform that the user entered something wrong.

After controller was created to see current user status (Logged in or not Logged in) including that if the user enters wrong credentials, client-side validation shows that the username or password is wrong.

Contact us and Surface Controller

A surface controller was used in order to create a working contact from where users could contact administration if they have any questions etc.

In the Controllers -> ContactFormSurfaceController.cs ActionResult method was created which has a return method of ContactFrom which in this case is a partial view and displays fields that needs to be filled. The ContactForm itsleft is located in the ViewModels from where it is revoked.

SMTP client is created in order to handle the network properties to be able to send and receive e-mails (Controllers -> ContactFormSurfaceController