

Script

by Joshua Watkins

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Introduction to Scripting

14 / 05 / 2018

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Introduction

This report will contain information that will help clarify why certain choices were made during the process of creating a website and utilising JavaScript. The report will outline methodology and will explain why I feel that the scripting implemented would be helpful on the website.

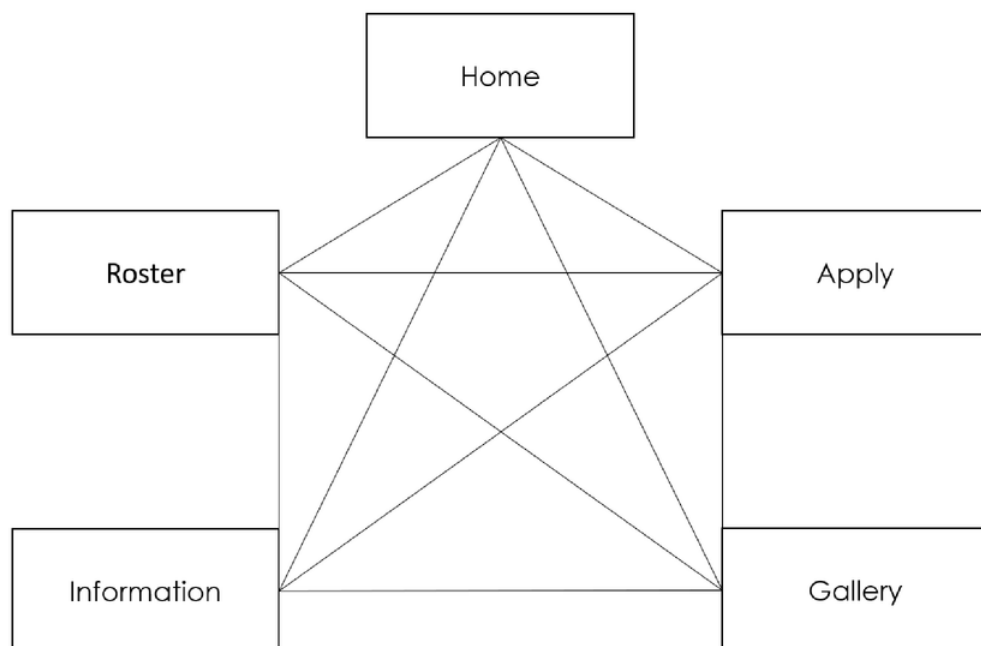
Requirements

The purpose of this scripting is to make the website more interactive and accessible. I will be building a site as an advertising and recruitment tool for a guild in the online game world of Warcraft, I will then be using JavaScript to allow this site to be more interactive and accessible.

JavaScript will be used throughout the site to improve the user's quality of life.

Sitemap

The image below shows the sitemap of the website, this shows which pages link to which pages. As we can see from the image below on this site it is possible to navigate to all other pages from every page.



Frame

The image below shows the frame of the homepage, this is used to plan out the layout of the site. As you can see from the image below all content has a set place and this frame will be used to create the website.



JavaScript

This this section I will show screenshots of the code, these screenshots will be annotated to explain what that code is doing and how it works.

```
function changesize(thesize) {  
    mytext = document.getElementById("thetext");  
    switch (thesize) {  
        case 1:  
            mytext.style.fontSize = 'x-small';  
            break;  
        case 2:  
            mytext.style.fontSize = 'medium';  
            break;  
        case 3:  
            mytext.style.fontSize = 'x-large';  
            break;  
        default:  
            alert("error")  
    }  
}
```

Case 1: This line of code finds the text within the div "mytext" It then adjusts the style > fontsize > Extra Small

Case 2: This line of code finds the text within the div "mytext" It then adjusts the style > fontsize > Medium

Case 3: This line of code finds the text within the div "mytext" It then adjusts the style > fontsize > Extra Large

In the html we can see the start of div id="thetext" this encases all of the text. We can also see the input buttons labelled small, medium and large... these buttons activate the JavaScript and link to each case.

```
<input type="button" value="Small" class="sumbitButton textBtn" onClick="javascript:changesize(1)">  
<input type="button" value="Medium" class="sumbitButton" onClick="javascript:changesize(2)">  
<input type="button" value="Large" class="sumbitButton" onClick="javascript:changesize(3)">  
<div id="thetext">  
    <h3> Introduction </h3>  
    <p class="standardText">  
        Evo is a raiding guild on Tarren-Mill / Dentarg that raid with the aim to down content while it is current.  
        We are looking for experienced raiders to join us in our progression throughout this expansion.  
    </p>  
</div>
```

```
function getdate() {  
    showdate = document.getElementById("message");  
    thedate = new Date();  
  
    hour = thedate.getHours();  
    if ((hour > 0) && (hour < 12)) {  
        message.innerHTML = "GOOD MORNING";  
    }  
    if ((hour > 11) && (hour < 17)) {  
        message.innerHTML = "GOOD AFTERNOON";  
    }  
    if ((hour > 17) && (hour < 24)) {  
        message.innerHTML = "GOOD EVENING";  
    }  
}
```

The if functions check the system time and produce a message based on the current time. For example if the time is greater than 11 but less than 17 the message "Good afternoon" will be produced.

The script will look for an element within the HTML with the id="message" it is here that the output of this code will be shown.

Below we see the HTML which shows a header with the id="welcome" this is where the output will be produced.

```
<div class="jumbotron">  
      
    <h5 id="message" class="Welcome"></h5>  
</div>
```

Implementation

In this section I will provide screenshots of the outcome of the above code and briefly explain why I feel that these were important to the website.

Small Medium Large

Introduction

Evo is a raiding guild on Taren-Mill / Dentarg that raid with the aim to down content while it is current. We are looking for experienced raiders to join us in our progression throughout this expansion.

Progress

- Antorus 11/11 Heroic
- Antorus 05/11 Mythic

Recruitment

All class, roles and specs will be considered. We're looking for players that enjoy some banter on Discord but have the self control to focus when required.

Raid Days

06:30 - 9:30 GMT

- Wednesday
- Sunday

Requirements

- Your character is ready to raid raid... enchants, gems, food, flasks and so on...
- You have researched the encounters we wish to attempt
- You have made an effort to obtain the best available gear for your main

Applying

If you are interested in joining us, please add one of the following people via Battle ID to discuss. You are also more than welcome to join one of our raids before you join to see if we fit what you are looking for.

BattleTags

- Whodagad#2655 (Raid Leader)
- Kemil#2519 (Officer)

Atmosphere

The majority of the guild are adults and are located around the globe... the chat is 18+ and we advise that you do not join if you're easily offended or cannot take banter back and forth. Everything is meant as a light hearted joke and is not to be taken seriously. After all we are playing a game and trying to enjoy ourselves.

Small Medium Large

Introduction

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Raid Days

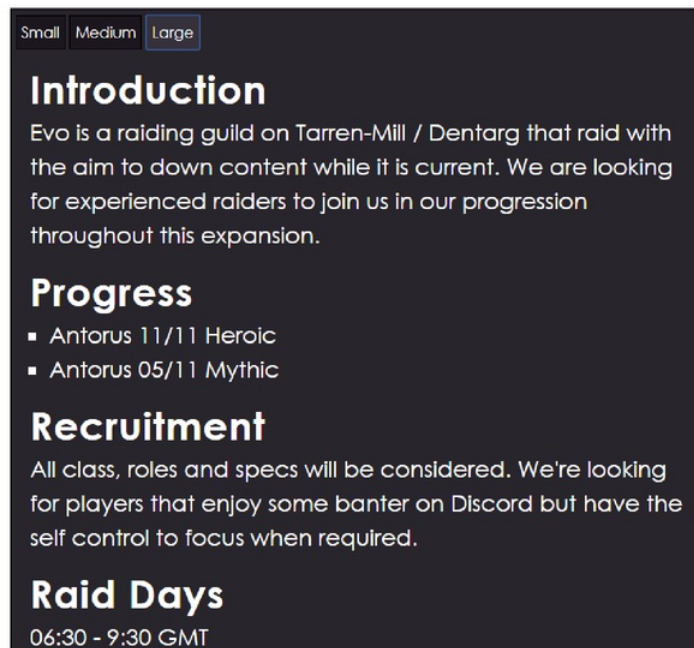
06:30 - 9:30 GMT

- Wednesday
- Sunday

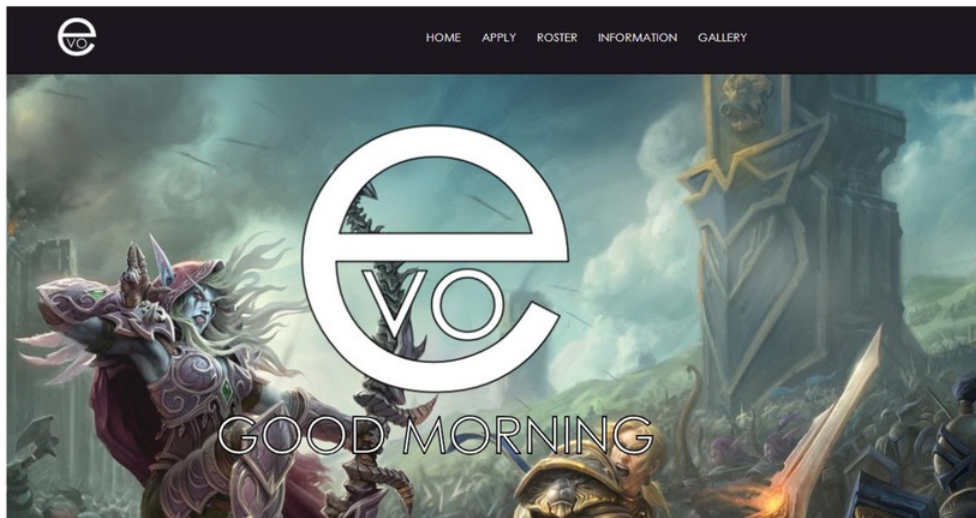
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- Your character is ready to raid raid... enchants, gems, food, flasks and so on...
- You have researched the encounters we wish to attempt
- You have made an effort to obtain the best available gear for your main

Applying



These screenshots show the results of clicking on the buttons small, medium or large. I felt this was important for the accessibility of the website as it allowed users to quickly and easily adjust the font to a size that is more comfortable for them to read.



This is a screenshot of the greeting message displayed by the JavaScript, this changed based on the time of the day. This is an interactive feature that greets the user and helps set the tone of the site.

Conclusion

In conclusion I feel that JavaScript can be a very powerful tool, it allows you to add interactive features to your website with ease. This can be both to simply improve the aesthetics of a website or to improve its functionality.

The ability to make the site easier and more entertaining is a very powerful tool that may help draw in and retain users for the site.

The code itself can be very basic at simple levels and more complex when creating more elaborate features. It is a well-rounded language that can be used and utilised for numerous reasons and is a very strong tool I will to develop in the future.

References

UWTSD Moodle

W3Schools

FINAL GRADE

34/100

GENERAL COMMENTS

Instructor

WEBSITE

Practical Application and Deployment (70)

Component 1 - Practically identical to classwork. You need to extend it a bit to show that you can use Javascript skills rather than copy code. 7/20

Component 2 - Again, very similar to classwork. You need to extend this - you could have half hours, more messages etc. 7/20

Component 3 - I don't think there is one? Nothing involving an HTML form as far as I can see. 0/20

(60 marks – broadly 20 per component)

- Overall integration of website – Nice layout, the first image is a bit big which requires scrolling - why not make it a bit smaller? Overall layout and navigation/choice of colours is good though 9/10(10 marks)

REPORT

Analysis (15) – Analysis of the technical development of your Javascript component

Not very much analysis - you need to say WHY you chose the approach you did and how the Javascript interacts with the elements on the page etc. There isn't very much here. 3/15

Knowledge and Understanding of Subject (15) -
Annotated code listing.

This is better, but you have a limited amount of code, and most of it is directly from my handouts. What you have labelled is quite clear, but with so little Javascript code it's hard to fully assess this
8/15

OVERALL MARK: 34%

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