CIS 430

Funny Animal Videos

&

Car Store

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Executive Summary

The tasking of this assignment is to show our understanding of web design and development by designing, testing, and documenting a live website.

The website should be multiple pages that can be easily navigated showing the knowledge gain by the instruction of the class.

We have created 2 different style websites. The first site that allows users to watch funny animal videos under different categories.

The second is a site that displays cars and allows the users to choose different models and add them to a cart. Additionally it creates an invoice of the selected cars calculating the total amount of all selected cars.

Design Specifications

* Select specific Website design
* Must be able to publish website
* Uses all three types of styles in-line, internal, and external
* Created following HTML 5 specifications
* 3-7 pages required
* META tags and keywords on each page
* Table required
* Form required to be used to solicit feedback from users
* Include width, height, and alt information for all images

Style Guide

# Funny Animal Videos

The home page is designed using both an image map and hyperlinks to navigate to the various sub web pages. Additionally there is a menu bar that can be used to navigate the web pages.

Each image for the image map has been scaled to 640px × 420px for uniformity.

Each page displays four videos placed into a table with the size of 560 X 315. Each video can be viewed in the table size or can be viewed full screen.

# Car Store

The home page for this site is a table that displays the available cars’ price, make and model, and an image of the car. Included in the table is a check box to add a car to the cart. There is a menu bar to navigate between the web pages.

Once a car is added to the cart, by selecting the Submit to Cart, another web page is displayed with a table displaying the selected cars.

Additionally there is an invoice page that keeps the total price of all selected cars.

Testing Results

Our website was functionally tested by each team member during design to ensure proper function. Each web page code was validated using W3C Markup Validation Service ensuring they were all compliant to HTML 5 standards.

**Testing Checklist**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **640 x 480** | **800 x 600** | **1024 x 768** |
| Internet Explorer |  |  | x |
| Google Chrome |  |  | x |
| Mozilla Firefox |  |  | x |
| Safari |  |  | x |

Once the site was published several random users were selected to live test the site and asked the following questions:

* Was the site easy to navigate?
* Where are the links working?
* Was the content up-to date?
* Was the website entertaining?
* Was the feedback portion easy to use?
* Do you have any suggestions to better the website?

Maintenance Plan

Because this website was designed and created for a class project we are not instituting any specific maintenance plan.

If this were a site that was going to be maintained the following items would be addressed:

* User request changes
* Software updates
* Review for broken links
* Out-of-date material
* Addition of new material

With this being a relatively smaller website the maintenance of this site would be limited to a single person or a small group. All maintenance will be tested prior to publishing. It is a good idea to have a portion of your home page identifying anything new that has been added such as content or capabilities.

Lessons Learned

# General Project Tasking

Whenever a project is being developed by multiple people it is very important to clearly divide the tasks to ensure each is addressed and all work is equally assigned.

Use of a Subversion (SVN) to ensure version control of all documents is strongly suggested.

# Funny Animal Videos

Based on testing the function of the site varies depending on the browser that is used to view the published page. (Movement animations are not as fluid using Internet Explorer as they are using Google Chrome)

As the result of user testing a suggestion was received was to stop the current video from playing automatically if another video is selected.

# Car Store

Using Team Foundation Server (Microsoft Visual Studio) was not the best approach to designing this site. This program used file extensions outside the scope of this class (.aspx and .cs files).

References

1. HTML 5 and CSS: Complete 7th Edition
2. www.youtube.com