DESign and testing report

Submitted by Yogish Antoo

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Task 1: Creating a Web site using HTML5 and CSS3.

# The scenario

The chosen topic for the web site is bodybuilding. The web site is meant for beginners, where all details and important start up information are found.

# Design

The website was designed considering the ergonomics of design. These are as follows:

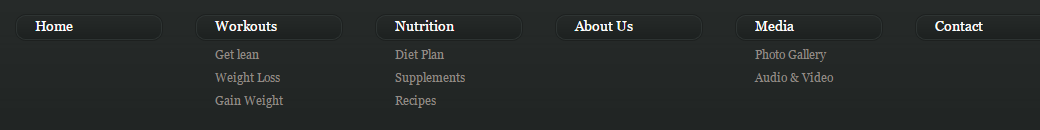
1. Homepage is directly accessible
2. No overload of data on first page
3. Clear Menu
4. First clickable item in the menu is highlighted
5. Returning to homepage is easy with a simple click

# User Profile and task profile

The targeted audience are people who want to start a healthy lifestyle with bodybuilding. They are mainly beginners and have no relevant experience in bodybuilding or diet. The web site will act as a virtual coach.

# Structure

The site map is as per below, which can also be found on the web site footer.



The pages have been grouped according to different topics. The structure chosen was hierarchical, where the homepage is the starting point. This structure was chosen o enable an easy and quick navigation throughout the website, without feeling lost.

# Key Design Features

1. Use of colour: A combination of black, white and blue was chosen as theme colour.

Good practice: Use harmonious colour combinations that is not an eye saw.

Bad practice: Use of wrong colour combination. Example fluorescent colours.

1. Page size: Each page contains much information, bearing in mind not to make the page look to empty or too compact.

Good Practice: Content should not be bulky.

Bad practice: Adding to much of information on the left, centre, and right of the page.

1. Balance of images and text: Images were placed such that they do not seem to big compared to the text.

Good practice: Use of correct amount of images and texts, correctly placed on the divs.

Bad practice: Incorrect placement of images and text.

1. Use of navigational aids to contextualize the current page within the website: DIV, NAV, UL etc have been used

Good practice: Always use navigational aids

Bad practice: Lack of DIV, UL where needed

1. Responsive Design web site: The design has been kept responsive using CSS3 standards, for example using percentage for widths and heights of div.

Good practice: Use of percentage in CSS instead of pixels for width and heights

Bad practice: Use of floats and pixels

1. Browser compatibility: The website is compatible with most new version browsers.

Good practice: Test website compatibility on mostly used browsers

Bad practice: Website designed and tested only on one browser.

# Eye catching quality

Factors considered when designing home page

|  |  |  |  |
| --- | --- | --- | --- |
| **Factor** | **Positive or Negative** | **Accepted or rejected** | **Reason** |
| The logo unique design | Positive | Accepted | The logo should be on context with the website content and topic |
| Too much information | Negative | Rejected | Relevant information only is given on the main page |
| Top Banner content | Positive | Accepted | A top banner was incorporated to show the top article of the day to retain users’ attention once the website is loaded |
| The footer content | Positive | Accepted | The footer is an important section of the homepage, here it includes a sitemap of the website, where the user do not need to scroll up again to reach the menu |
| Visual effects | Positive | Accepted | Visual effects on the homepage is important as a first impression. |
| The Menu | Positive | Accepted | For navigation purposes, the menu should be clear, visible and logical on the first page. |
| Destination of link is not visible | Negative | Rejected | Links were made visible with attracting colors to increase discoverability of navigation |

# HTML and CSS

|  |  |
| --- | --- |
| **Feature** | **Page** |
| Appropriate use of tables and cells. | Photo.html |
| Use of Inline Frames | Contact.html – use of google map iframe |
| Create or Select a logo | Available on top of every page |
| Simple page formatting like Headlines, Style, Paragraphs, Anchors | Available on every page |
| Appropriate use of colours (Fonts, Background, Borders, etc…) | Available on every page |
| Use of lists where required. | Recipes.html |
| Contain a photograph of you | Contact.html |
| Your Home page should have a simple navigation bar to link to your other  pages. (cross linking). | Index.html, top menu bar |
| A link to the UTM website describing your particular course. | Contact.html |
| A link to some website outside the university | Index.html in the “recommended” right section |
| Facility for someone to send you an email | Use of mailto in contact.html |
| Image Map - a site map with hotspots linking to the various tasks | Available on every page in the footer |
| Animated gif | Index.html in the page main content |
| A Page Counter | Index.html on top |
| Rollover images | Recipes.html |
| Video and Audio | Video.html |
| Photo Gallery | Photo.html |

# Testing

Web pages were tested on <https://validator.w3.org/nu/#file> via file upload. The result is as follows.

|  |  |
| --- | --- |
| **File** | **Result** |
| Index.html | No major error |
| Supplements.html | No major error |
| recipes.html | No major error |
| weightloss.html | No major error |
| dietplan.html | No major error |
| aboutus.html | No major error |
| contact.html | No major error |
| getlean.html | No major error |
| gainweight.html | No major error |
| video.html | No major error |
| photo.html | No major error |
| bodybuilding.css | No major error |

## Compatibility testing

The website has been tested on mostly used browsers:

1. Chrome
2. Internet Explorer 11 and above
3. Safari
4. Firefox

## Reliability of the website

The website design and content was inspired from different existing bodybuilding websites, which have millions of internet readers per day. Bearing the statistics in mind, the designed website is definitely rational to people.

Note: the links to the labs, task2 and task3 are found in “aboutus”.