SOFT20181

Internet Applications Programming

Supporting Documentation

N0958463

Ahnaf Bin Azad

Declaration

I hereby declare that I am the sole author of this report and that all third-party items including code have been adequately acknowledge and referenced.

Signature

Ahnaf Bin Azad

Table of Content

1. Introduction

1.1 Success Criteria

2. Design Process

2.1 Initial Research

2.2. Initial Design (Justification)

3. Implementation

3.1 Features Developed, Implementation Processes and Challenges Encountered

4. Summary and Conclusion

Sources and Reference

Appendix

1. **Introduction**

This is the supporting document for the e-commerce website created for SOFT20181 Internet Applications Programming.

This e-commerce website is intended to promote three fruits, which includes an apple, a banana, and a mango. It contains a total of six pages built using a desktop browser first approach. This website has also been tested on a vast number of devices including different smart phones and different desktop browsers. This website has been written in HTML5 and is rendered using CSS level 3. Animations and functionalities like the top button are implemented using JavaScript.

* 1. **Success Criteria**

The website contains all the required criteria mentioned in the coursework specification documentation. There have been problems with some of the criteria which will be mentioned in section 3.1. The functionalities will be briefly explained in the table below.

|  |  |  |
| --- | --- | --- |
| **Success Criteria Point** | **Priority** | **Implementation** |
| Navigation Bar | Required | Yes, a horizontal navigation bar is added to every page of the website linking to internal pages |
| Registration pages with verification | Required | Yes, a registration page and a sign in page has been created. A non-email address cannot be entered into the email input, and a small popup shows up when done so |
| Thumbnail images with JavaScript animation on them | Required | Yes, the animations are not as smooth as I expected but they are there |
| Product pages with a video | Required | No, for limited time and uncalled for family situations, this feature could not be added |
| Go to top button | Not required | A ‘TOP’ button is added which appears when scrolled down and takes to the top of the page when clicked on |
| Customised preferences | Required | Yes, on the footer, a part is added to increase or decrease font and change accent colours |
| Local storage | Required | No, for limited time and uncalled for family situations, this feature could not be added |

**2.0 Design Process**

**2.1 Initial Research**

The design idea was chosen as a sleek and easy navigation was wanted for the website. The website features designs and layouts so that each of the product is highlighted and is marketed as special. To attain such a design, a lot of websites were looked at. However, the most inspiring website was of the Apple website.

* The navigation bar at the top of the pages makes sure that all the products are accessible from any site. The colour scheme makes it so that the writings are clear and easy to read
* The website uses a block format, as in, the products are showed in large blocks instead of slideshows or smaller images. They are made sure to be spotlighted
* The colour for the website is generally subtle and calm crayon colours so it is warm and inviting

**3.0 Implementation**

**3.1 Features Developed, Implementation Process and Challenges Encountered**

**The Home Page**

The home page (index.html) is divided into sections using the <div> elements. The page consists of the navigation bar, three parts for the product description and a footer.

Each product has a broad summary of it beside its images and a ‘learn more’ link, which upon being clicked on, takes the user to the product pages which gives further information about the product.

**The Product Pages**

The product pages also have a layout similar to the home page, where additional photos are provided of the product.

The product page also flaunts a video of the product.

The articles included describe benefits of the uses of the products

**Sign in/ Register Pages**

The sign in page consists of a form asking for an email and a password, and a submit button at the bottom of the form

The register page asks for the name, contact details and a password from users.

Both form input for the email is added as type “email”, thus a non-email input would prompt a message saying to add an actual email

**4. Summary and Conclusion**

The website lacks a few key components and is not complete. However, I have put my best effort and time into this despite having to go through a death in the family and another family member hospitalized.

This website does not fully demonstrate my full capabilities and I will aim to give my best on the next one

Thank you

**References**

Images Information on nutrients and benefits

<https://pngtree.com/>

<https://www.healthline.com/nutrition/mango#8.-May-support-eye-health>

Information on nutrients and benefits

<https://www.healthline.com/nutrition/11-proven-benefits-of-bananas#TOC_TITLE_HDR_12>

<https://www.healthline.com/nutrition/10-health-benefits-of-apples#TOC_TITLE_HDR_12>

Colours

https://neilpatel.com/blog/psychology-of-color-and-conversions/