**CT4009 Introduction to Web Development**

**Assignment 001**

Technical Report

for the offline store catalogue

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# Introduction

# Website Details

# List of Functional and Non-functional pages

|  |  |  |
| --- | --- | --- |
| Page | HTML/CSS | JavaScript/IndexedDB |
| Home – carousel/login | ✓ | ✓ |
| Store locator - map | ✓ | ✓ |
| Contact – email/map link | ✓ | ✓🗶 |
| Shop - view cat/subcat/items/compare/add to watchlist | ✓ | ✓ |
| Hot Deals – under construction | ✓ | ✓🗶 |
| Watchlist - view | ✓ | ✓ |
| Search Results – under construction | ✓ | ✓ |
| Admin Controls – add cat/add subcat/add item/add location   * Delete & link to update cat/subcat/item/location | ✓ | ✓ |
| Update Map | ✓ | ✓ |
| Update Category | ✓ | ✓ |
| Update Subcategory | ✓ | ✓ |
| Update Item | ✓ | ✓ |
|  |  |  |
|  |  |  |

# Testing

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ref.** | **Page Area** | **Scope** | **Expected Results** | **File ref** | **Actual Results** |
| 001 | Item Category | Scenario: User adds category.  Actions:   1. *User enters empty category* 2. *User clicks on submit* | User is provided with adequate instructions.  Code is able to:   * respond to <nulls> | <link to your iMacros test script>  /scripts/filename001.iim  OR Copy script code here | Write the actual test results in here! |
| 002 | Item Category | Scenario: User adds category.  Actions:   1. *User enters valid category* 2. *User clicks on submit* | User is provided with adequate instructions.  Code is able to:   * show the category in a list along with existing category | <link to your iMacros test script>  /scripts/filename002.iim  OR Copy script code here |  |
|  |  |  |  |  |  |

# User Manual

# Shortcomings/Things to improve

Images have to use full path to locate them on client-side website. Need an upload function to add files to main server to be all in one place.

Watchlist items only work for one user – grabs all values set to 1.

Lots of files – slower for browser to load

Problem with client side is you can’t guarantee you have permission to run IndexedDB or JavaScript. SQL or other databases are more streamlined and easy to use than IndexedDB.

Can’t encrypt logins on client side easily. Would normally be comparing hash values.

References

**Home Page**

**Nav Bar -**

<https://www.w3schools.com/bootstrap4/bootstrap_navbar.asp>

<https://www.w3schools.com/bootstrap4/tryit.asp?filename=trybs_navbar_dropdown&stacked=h>

**Login Form –**

<https://www.w3schools.com/bootstrap4/tryit.asp?filename=trybs_form_basic&stacked=h>

**Search Box –**

<https://www.w3schools.com/bootstrap4/tryit.asp?filename=trybs_navbar_form&stacked=h>

**Carousel**

<https://www.w3schools.com/bootstrap4/tryit.asp?filename=trybs_ref_js_carousel2>

**Indexeddb wrapper**

CT4009, 2019. *IndexedDB Wrapper API.*[Online]  
Available at: moodle.glos.ac.uk

[Accessed 2019 November 18].

**Other indexeddb stuff (main.js)**

Help from dad

<https://developer.mozilla.org/en-US/docs/Web/API/IndexedDB_API/Using_IndexedDB>

<https://dev.to/andyhaskell/build-a-basic-web-app-with-indexeddb-38ef>

<https://www.vanamco.com/2014/11/14/indexeddb-fundamentals-plus-a-indexeddb-example-tutorial/>

**Produce new page –**

<https://stackoverflow.com/questions/2004555/how-can-i-make-javascript-make-produce-new-page>

**Accordion**

<https://www.w3schools.com/howto/howto_js_accordion.asp>

**Mail to on contact page**

<https://www.w3schools.com/tags/tryit.asp?filename=tryhtml_link_mailto>

**Misc. useful**

<https://stackoverflow.com/questions/17650776/add-remove-html-inside-div-using-javascript>

<https://www.w3schools.com/jsref/dom_obj_checkbox.asp>

<https://stackoverflow.com/questions/13405129/javascript-create-and-save-file>

https://stackoverflow.com/questions/42635126/bootstrap-4-navbar-with-2-rows

    https://getbootstrap.com/docs/4.0/components/navbar/

    https://www.raymondcamden.com/2012/08/10/Searching-for-array-elements-in-IndexedDB

equality: == vs ===  see :

https://codeburst.io/javascript-double-equals-vs-triple-equals-61d4ce5a121a?gi=a7a512abed2a

cookies and js see :

<https://www.w3schools.com/js/js_cookies.asp>

**Checkboxes**

<https://www.w3schools.com/tags/att_input_type_checkbox.asp>

**Images**

<https://www.iconfinder.com/icons/536262/buy_cart_circle_ecommerce_green_shopping_trolley_icon>