

ASSESSMENT BRIEF



NFQ Level : Level 8

Course Name : WebInnovate 2.1

Learner Details

| | | | | |
|-------------|--|-----------------|--|--------------------|
| Module Unit | | Module | | Mobile Development |
| Title/s | | Lecturer | | Daniel Griffin |
| Date Issued | | Submission Date | | |

Brief:

- You will be using the Mobile jQuery library to build a Single Page list style mobile web app.
- Use only one single HTML file for the main content and functionality
- Include autodividers (Alphabetic) to create a collapsible listview.
- Your list will be dynamically constructed by reading data from a JSON file that you will need to create yourself.
Example implementation: <http://demos.jquerymobile.com/1.0a2/experiments/api-viewer/docs/jquery.getJSON/index.html>
- Present the user with an input box to filter the full list
- Each item on the list should include an icon. You can use the standard JQM icons, or your own graphics. <http://demos.jquerymobile.com/1.4.0/icons/>
- Clicking on any individual list item will show a virtual JQM "page" presenting some more information about that item. Note that this extra info is also dynamically generated from the JSON. <http://demos.jquerymobile.com/1.4.0/pages/>
- Opening a "page" should happen as a transition: <http://demos.jquerymobile.com/1.4.0/transitions/>
- Customize some of the default components, e.g. buttons, etc.
- Apply a custom themeroller theme: <http://themeroller.jquerymobile.com/>
- Think about best practices for mobile apps when including your js files.

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Learning Outcome:

1. Understand how to organize client side file sets and incorporate third part libraries.
2. Understand how to include files into your app.
3. Become familiar with UX considerations.
4. Work with JSON data.
5. Recognize and implement best practices for Mobile platform development.

Instructions:

Additional Notes:

Files should be order in a sensible hierarchy and zipped together into a single file for submission. The submission file should be named as follows:

YourFirstname_YourFamilyname_WI20_MDV_1.zip

All code files should contain the following header:

<!--

* Author: yourname

* Assignment: WI2.0 Mobile Development, Digital Skills Academy

* Student ID: xxxxx

* Date : YYYY/MM/DD

* Ref: website link to code referenced or the book, authors name and page number

-->

Reused Code (eg javascript, jQuery) should be indicated by inline comments as follows where they are only a segment of code within a file, if the full file then provide the same information in the header comments

//Code reuse

// Ref: <http://www.site.com/page#ref>

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// Ref: Book Title, Author, Publisher, Edition, page number

/ Ref: Code provided by lab assistant: name or fellow participant: name

Caution:

- Deferral of assessment can only be made under exceptional circumstances and by applying directly to the Quality Assurance Manager (ga@xxx) and completing a Personal Circumstances form (obtained from Moodle under the "course documents" section in Training and Support) with details in the participant handbook section xxx. These must be **received and agreed in advance of the submission date** or work will be deemed as not received.
- Re-check and re-mark procedures are also outlined in the participant handbook, sections xxx and xxx (with forms obtained from Moodle under the "course documents" section in Training and Support).
- DSA policy on plagiarism and collusion are detailed in the participant handbook, sections xxx and xxx.
- There is a two week period after results are submitted, for any more general enquiries on assessment results, after which quality assurance queries **will not be considered**.
- Submissions must **strictly adhere to the instructions** on the Assessment Brief, including the **correct format for digital submissions**.
- Participants must sign off when handing in work.
- Participants are responsible for testing that uploaded content files can be downloaded properly before submitting.

Grading:

| Evidence | Total % | % for this Assignment towards overall |
|----------|---------|---------------------------------------|
|----------|---------|---------------------------------------|

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| | | Grade |
|--|---------|-------|
| No submission | 0 | 30% |
| Good markup demonstrating the basic set of programming features and disciplines required for the assignment | 1 – 10 | |
| Well-formed markup demonstrating most of the features and disciplines required by the assignment | 11 – 20 | |
| Working code and well-formed markup demonstrating ALL of the features and disciplines required by the assignment, whilst also demonstrating independent research, critical thinking and a deep understanding of the programming process. Eg. Error handling, design considerations, etc. | 21 – 30 | |