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| **ITS Username**: | ~mwheel05 |
| **Module Name**: | Mobile Web Application Development |
| **Tutor Name**: | Tobi |
| **Website:** | https://titan.dcs.bbk.ac.uk/~mwheel05/mwafma/index.html |

Qr code

Description automatically generated

Mobile Web Application Development - FMA

# List of resources used:

## Overview

All of the reference for the TMA side of this is still the same and can be found in my previous submission. This reference document will mainly focus on the JavaScript (JS) / JQuery side of the FMA – however, I have had to research methods of displaying HTML / Bootstrap using JS which do draw from websites that have already been included in my TMA.

Therefore I will reference my TMA document as a reference also;

**mwheel05\_mwa\_tma\_sources** – Marc Wheeler

## Class material

This was referenced two extensively initially. The majority of the Firebase database was referenced from the in-class examples and the activities provided as part of the module. Therefore the similarities here are as to be expected.

I have however as stated used the information as a reference and have continued to develop and build my JS functions around this base knowledge.

Session 6 – Data Driven Mobile Web Applications

Session 7 – Maps and Geolocation

Session 8 – Web Applications Using Cloud Data Services

## Functionality overview

**Initialising JS functions – to remove global variables:**

<https://www.javatpoint.com/es6-immediately-invoked-function-expression#:~:text=Immediately%20Invoked%20Function%20Expression%20%28IIFE%29%20It%20is%20a,the%20privacy%20for%20variables%20defined%20in%20the%20function>

## Individual Pages

\*Reference note:

There was work from the lectures used where along with some basic Bootstrap documentation provided in TMA document regarding this. I mostly just re-used code from my initial TMA submission and used JS we learnt in the module lectures to apply the HTML.

**Firebase documentation** - <https://firebase.google.com/docs>

**Module documentation** - <https://moodle.bbk.ac.uk/course/view.php?id=35674>

### **get-route-favourites:**

**Research for returning data in local storage:**

<https://www.codegrepper.com/code-examples/javascript/localstorage.getitem+json.parse>

**\*See Referencing note above**

### **firebase-login**

Some additional added by me – but the accessing the firebase is pretty standard. Information from the lectures and from Firebase itself.

**\*See Referencing note above**

### **toggle-favourites-btn**

The majority of this was created through trial and error based on the below research references and my own experiences.

**Research:**

<https://jsfiddle.net/jfkwq0od/1/>

<https://www.delftstack.com/howto/javascript/javascript-toggle-button/>

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

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

https://www.w3schools.com/howto/howto\_js\_toggle\_class.asp

<https://dequeuniversity.com/library/aria/button-toggle>

**Add / Remove pages:** https://stackoverflow.com/questions/25517633/opposite-of-push/25517654

**Local Storage:** <https://developer.mozilla.org/en-US/docs/Web/API/Window/localStorage>

### **get-guide-details**

**Search function:** <https://www.w3schools.com/howto/howto_js_filter_table.asp>

**Sorting Data:** <https://www.w3schools.com/howto/howto_js_sort_list.asp> & <https://www.w3schools.com/howto/howto_js_filter_elements.asp>

**\*See Referencing note above**

### **get-route-details**

**Dynamic Research:** <https://www.geeksforgeeks.org/how-to-create-dynamic-breadcrumbs-using-javascript/>

**\*See Referencing note above**

### **route-map**

**Error fixing:** <https://stackoverflow.com/questions/38363939/google-map-javascript-api-not-working> & <https://developers.google.com/maps/documentation/javascript/error-messages#api-not-activated-map-error>

**Research:**

<https://developers.google.com/maps/get-started>

**\*See Referencing note above**

### **get-routes**

**\*See Referencing note above**

### **display-favourite-text**

**\*See Referencing note above**

### **display-login-name**

**\*See Referencing note above**