

# Mobile Application Development

## Session 6 – Additional Exercises

### 1. Form Validation

Adapt the Zedland Hotel application login and booking forms so that they validate more thoroughly. To do this, use the [jQuery Mobile Validation Plugin](#).

### 2. Local Storage

- a) Adapt and improve the Zedland Hotel Application so that when a user adds a hotel to MyHotels, they are given confirmation that the hotel has been added. This could be in the form of an alert or dialog page.
- b) Adapt and improve the application so that if no hotels have been added to MyHotels the user cannot access the MyHotels page. Instead, they should receive a message (in the form of an alert) stating: *You currently have no hotels in the my hotels list.*
- c) Change line 17 in *getHotel.html* so that the links on the myhotels page of the application display as buttons (see example site).

### 3. Local Storage (hard)

Currently the Zedland Hotel Application only allows you to add and view one hotel (Churchill). Adapt the application so that:

- Multiple hotels can be added to local storage
- A list of hotels added to local storage can be viewed on the My Hotels page

To do this you will need to add new hotels to an existing collection when adding hotels. You will also need to be able to iterate through the collection and display the contents of the collection in the My Hotels page.

### 4. Local Storage (hard)

Rework the hotels application so that users are able to delete hotels from their my hotels list.

## 4. Helper Functions

Both *addhotel.html* and *gethotel.html* use similar code in order to check for local storage. An improvement to the code might be to write a single *helper* function for checking for local storage that can be used across multiple files. See if you can write a function that satisfies this requirement. You will have to modify the other code in both files to achieve this.

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