Developing Internet based Information Systems 2

Ex 2



This second exercise is built upon the first one. It’s goal is to practice working with Forms and AJAX communication.

The server side will be the one you developed in Ex1, no changes needed except allowing for CORS. The client will be a web app (HTML, CSS, JS) that will communicate with the server, instead of the Swagger test interface used in Ex1.

Create a new web site, called *airbnbClient* that will contain three folders: pages, css, and js.

You will create two html pages: a flats page and a vacations page.

**Flats page:**

This page will contain 2 parts: An upper part in which the user can post a new flat by using a form, and a lower part in which the user can view all the existing flats.

As this page finish loading, get all the flats from the server and render them to the page, each flat in a separate DIV.

When rendering **each** flat, add an order button within the flat div. Pressing this button will take you to Vacations.html.

All the new flat’s fields should be within a form, Use the following approach and validations:

1. All the fields are mandatory.
2. The city should be chosen from a datalist.
3. The address cannot exceed 25 characters.
4. Number of rooms cannot exceed 8.

When a user posts a new flat, in case of success, call get again and render all the flats.

**Vacations page:**

This page will contain 2 parts: An upper part in which the user can post a new vacation, and a lower part in which the user can view all his existing vacations.

The flatid in the new vacation form should be taken from the flat chosen in the flats page (and cannot be edited), this can be done using sessionStorage or by using a query string.

All the new vacation fields should be within a form, Use the following approach and validations in the form:

1. All the fields are mandatory.
2. The end date should be greater than the start date.
3. The vacation cannot exceed 20 days.

Reading and rendering all the user’s vacations should be done only once the user presses a “Get All My Vacations” button.

The server application should be loaded into **tar1** folder, overriding your previous exercise.

The web site (which is the client side) that you created should be uploaded under tar2. Make sure it runs properly on the server.

The zip containing the server folders Controller and BL should be uploaded to tar2.

The submission email should contain link to flats.html and to the code zip.

Enjoy, Anat & Benny