✓ Think about the features you've built into your website that you haven't

been able to complete because they need to work between refreshes, or

that need information specific to a user.

✓ With this in mind, list the different pieces of content/information that your

web application will be dealing with & determine where it should be stored,

what format, and where it should be processed.

○ Where does the information come from?

○ What form should it take?

○ If the information is on the server, what will the client need to send to

retrieve that data?

○ If the information is on the client, how will it be sent to the server?

○ Does all information need to be stored on the server?

○ What processing needs to be done to make the data useful?

Login / Signup

Map locations should stay

Search results

Booking confirmations

Login

* User puts in username and password etc..

(IF we want user to stay on same page we use AJAX)

* + Send AJAX post request in JSON format
  + Server needs to verify
  + Something on the server to compare to something from database from file
  + Send AJAX response to the post request, response contains/includes a session + any info we want back (e.g account info)
* User can now do things a logged in user can do
* Same page appears but login button says username instead

Sign-up

* User puts in username and password etc..

(IF we want user to stay on same page we use AJAX)

* + Send AJAX post request in JSON format
  + Server needs to verify
  + Something on the server to compare to something from database from file so that the username doesn’t already exist
  + Inserts username/password into a database
  + Send AJAX response to the post request, response contains/includes a session + any info we want back (e.g account info)
* User can now do things a logged in user can do
* Same page appears but login button says username instead

Booking

* What are we putting in the form: dates, number of people etc.
  + Send a post request using JSON
  + Body of post request is parsed and key values are inserted into a database.
  + We need to send a response to request with the new web page
* User sees their booking confirmation

Map search result

* User inputs a city they want to search for
  + AJAX get request in JSON format
  + Input is matched up with a key value from the hotel objects
  + Send AJAX response to the get request which will be a function call to a function that displays markers on the map with the parameters being the array of hotel objects that match up with the input.
* User sees hotel markers pop up on the map.

Search results

* Information is received from a function that takes the keyword from search and returns an array of Hotel objects.
  + The array can be stored on the server and used for a number of functions that will send that data to the client.
* The information will be used to display in two areas: on the map, and on a list of hotels with some info on another page. When the user presses buttons to show either of these, the following will happen:
  + a POST request will be sent to the server
  + the server will send the information to be processed client-side and displayed
* The keyword for search will be sent to the server with the request
* Does all information need to be stored on the server?
* The response from the server will most likely be an array of the hotels from search. This information will need to be processed client-side to populate the map’s marker’s info windows, and the information about each hotel when listing the results.