

Website Functionality List

Landing Page

Function	Client	Server	Method of Transfer
Search for hotel	Inputs keywords into search field	Will tokenise keywords and search for results	POST with JSON object, which will have session id, any login information if required and the search parameters.
Change Currency	Clicks and changes currency	Processes this and changes page output depending on it Will update local currency for the user/sessionID (depending on if the user is logged in)	AJAX POST with the currency change information inside, as this will change on the server as well so POST is more suited for this application.
Sign In	Inputs their credentials	Server checks credentials in various ways. Returns modified page which shows links concerning account/booking management.	POST object with sessionID and credentials (password will need better security in the future using login API's like OpenID etc.)
Sign Up	Inputs credentials	Server makes a new account in database/file.	POST is sent with credentials inside. Different if using google login API.

Map Page

New search/Filters changed	User changes the search parameters	Server looks through database/file for known bookings with similar keywords	POST sends JSON object containing new search parameters and filter values. Will use AJAX so page doesn't reload and is seamless.
----------------------------	------------------------------------	---	--

Change Currency	Clicks and changes currency	<p>Processes this and changes page output depending on it.</p> <p>Server will have to process the currency given by the hotels and store extra information for the other default currencies user's can select from.</p> <p>Local currency and default currency should both be shown.</p> <p>Will update local currency for the user/sessionID (depending on if the user is logged in).</p>	Uses AJAX with POST request, containing the currency change information inside. Can change the currency dynamically.
-----------------	-----------------------------	--	--

Booking Page

Currency Loading		Currency selected will be loaded and displayed on the booking page.	Will be given when the user is booking a room in the new page.
Booking page interaction	User clicks on done button	Server processes inputted information and also gives other information from file. Temporary booking made until confirmBooking is completed.	POST with object with all the information inside. ConfirmDetails.html sent to client with data autocompleted.
Booking info load	User enters page	Server will load booking information corresponding to the current user and their previous hotel room selection on the map page	Client automatically requests for a JSON object containing the booking details, which are then displayed on the page to the user.

Guest Account/Booking Management

Booking info and how it is processed	User goes into account management and looks at bookings. May delete a booking.	Server sends bookings depending on current user. If deleted, the booking is deleted on the server.	JSON object with booking details sent to client. Includes default currency set by user. AJAX processes any delete booking requests asynchronously.
Pressing Done on any page to change account information	User changes information given by the server on the page.	Server assigns altered data to the required fields in the databases.	POST with object holding the different values sent to server.
User info load	User enters page	Server will load booking information corresponding to the current user	Client automatically requests for a JSON object containing the booking details, which are then displayed on the page to the user.

Business Login Page

Business Login	User types in their credentials	Server logs in the business, and the user is sent to the hotel room management screen	POST is sent containing username and password. Will use secure login API's where possible.
----------------	---------------------------------	---	--

Business Account/Rooms Management

Adding/editing a room	User creates or edits a new room	Server adds new room to database, or updates information on database	AJAX will be used to send an object containing all the different fields and their values to update the database.
Pressing Done on any page to change account information	User changes information given by the server on the	Server assigns altered data to the required fields in	POST with object holding the different values sent to server.

	page.	the databases.	
--	-------	----------------	--

Footer (across almost all pages)

Footer display	User logs in or logs out	Server doesn't do much besides recognise that the sessionID and its user is logged in and verified	<p>POST request will get a variable that will tell whether user is logged in or not. If they are logged in, then the footer displays differently, showing account management etc.</p> <p>Likewise if they are not logged in, the footer will show minimal information.</p>
----------------	--------------------------	--	--