**The Plan**

**User Login**

*JavaScript*

On User Clicking Submit, Remove any existing error class/messages, place the email address and pass email address and password into an object. Post Login attempt details (the new object) to PHP via AJAX.

*PHP*

Receive Post data, Sanitize Data, Check All Fields Completed (if not respond with an error message and exit

Otherwise, search for document in db with matching email address (if no results, respond with an error and exit). Test password entered against db password (using password\_verify). If the passwords match return a success message and exit).

Otherwise Return an error message and exit.

*Javascript*

If message is success -> close modal, set Session Variables and show signed in version of login button.

Else -> Display an alert with an error message in the login Modal and make the fields red (addClass)

*Reference*

[*http://michaelsoriano.com/how-to-ajax-validate-forms/*](http://michaelsoriano.com/how-to-ajax-validate-forms/)

**User Register**

*JavaScript*

On User Clicking Submit, Remove any existing error class/messages, place each field and value into an object. Post Registration details (the new object) to PHP via AJAX.

*PHP*

Receive Post data, Sanitize Data, Check All Required Fields are Completed (if not create an associate array key-value pair called $error with key being field name and value being error message)

Check that each field is the correct format (regular expression/length etc.) (if not create an associate array key-value pair called $error with key being field name and value being error message)

If the number of key-value pairs in the $error array is greater than 0, then return the array (encoded in JSON).

Otherwise return a success message.

*Javascript*

If message is success -> close modal, set Session Variables and show signed in version of login button.

Else -> Display an alert with an error message in the register Modal and make the errored fields red (addClass)

*Reference*

[*http://michaelsoriano.com/how-to-ajax-validate-forms/*](http://michaelsoriano.com/how-to-ajax-validate-forms/)

**Add To Basket/Alter Quantity in Basket**

*TBC*

**Product Search**

*PHP*

On Search Button/Enter -> send Get Request with query to PHP processor.

Search DB for given query.

Display Results Page

**Checkout**

*PHP*

User presses Submit button -> post data to confirmation page, which adds the order to the DB (and increment order counter) and then displays confirmation + order No.

**Search Result Sorting**

*JavaScript*

Dropdown ‘onchange’ post ajax request to PHP containing query and new sort method

*PHP*

Query DB with provided query and sort order, return JSON

*Javascript*

Clear search results grid and show new listings.