**Tests to run**

Check a new account can be created and used to login

Check user details can be entered and displayed on the page

Check different user details can be entered and displayed on the page

Check an invalid username does not gain access

Check an invalid password does not gain access

**Extras**

Reuse the same test to enter details and specify different details

Create a common method to login and access site

**Website Problems**

**Login page**

No idea what I am logging into.

**Main page**

* If selecting ‘Logout’ then expect to actually be logged out rather than simply returned to the login page and would not be able to access ‘<http://localhost:4567/menu'> until logged in again.
* The main page has no information on at all - what have I logged into?
* No id’s on the two hyperlink elements for ‘User Details’ and ‘Logout’.
* There is no way to change my user account password or setup two-factor-authentication as in Google+ and Git Lab etc.

**User details form**

* I have no idea what I am entering my details for? - Is it so someone can send me junk mail, or sell my details or is it to enter a dar to win a £5,000 road bike or running gear?
* The edit boxes are the same colour as the background with a pretty faint grey border so cannot see very clearly.
* I have no idea what is mandatory fields and what I can get away with not entering
* No help functionality to assist with completing the form.
* The edit boxes for street, city and postcode all have id’s matching the name where as forename, surname and house number do not.
* Field is present for house number but what if I have a house name - where does that go?
* Only limited address fields, what if I have more than just a street and a city/town?
* What format is post code meant to be - do I include a space (PL1 1DD) or not (PL11DD)?
* As male is already selected it is very easy to miss that this needs to be completed and changed to female if required.
* No id on either of the gender check boxes
* As car make is already selected as Volvo, again it is easy to miss this and change to my actual car make if this isn’t Volvo.
* Doesn’t cater for the fact I may not own a car.
* The user details fields are all aligned to the far left of the page in one long list and doesn’t make use of the whole page as in there is loads of empty space on the right!
* The submit button doesn’t stand out as it is the same colour as the background.

**Confirmation page**

* The text accompanying the name is in the same field of id ‘name’ and not consistent with the other accompanying text like ‘I live at the following address’.
* The gender text ‘I am male’ for example, sits under the address heading but does not fit into this category of heading - almost looks like it is part of the address.
* ‘I am male’ for example sits in the same paragraph of the element with id ‘gender’, should may be separate.
* The header for the address has an incorrect capital for ‘Live’ and no colon after ‘address’, should be ‘I live at the following address:’
* The only hobby paragraph element with an id is ‘walking’, swimming and cycling do not have an id.
* The car text ‘I drive a volvo’ for example, sits under the hobbies heading but does not fit into this category of heading - almost looks like it is part of a hobby.
* The car make does not start with a capital, as ‘volvo’ should be ‘Volvo’.
* Incorrect grammer if selecting car make starting with A i.e. Audi = ‘I drive a Audi’ - it should be ‘an’ Audi.
* The ‘Back to menu’ link at the bottom of the page is very easy to miss as does not stand out against the other text.
* There is no confirmation/submit button to confirm this is the correct details.
* There is no option to go back and amend the details if I have miss-typed one of the fields etc after checking what is displayed.

**Website Recommendations**

**Login page**

* Include a header/banner to detail what you are logging into
* Allow creation of a user account if not registered already
* Allow option to retrieve/reset password on event of forgetting details
* Provide a more meaningful page title on the web browser tab than ‘Test Site’, something similar to a new header banner.
* Add account locking mechanism so correct username but incorrect password logins will eventually lock the account after multiple failed attempts.

**Main page**

* Perhaps some graphics/text on the page to say what exactly I have logged into rather than just the ‘User Details’ and ‘Logout’.
* Actually log out of the system when clicking Logout and prevent access to any of the site without login.
* Add a way to access user account details and change my password or setup two-factor-authentication.

**User details form**

* Make use of the whole of the page and have details across the page rather than all down in a line.
* Make sure the edit boxes are a different colour to the background by changing either the edit boxes or page background colour.
* Add compulsory/required fields to the form and point out somehow (highlight or star etc)
* Add help functionality.
* Only activate the submit button once the required fields have been completed.
* Do not select a default gender or car make, leave blank and make one of the required fields.
* Add validation to the house number field so only integers/numbers can be entered
* Add a new edit box for house name to be used instead of number
* Add more address line boxes for larger addresses, line 1, 2, 3, 4 then city/town.
* Add validation to the post code field and display alerts to explain validation failure
* Also include a note next to the post code field to explain the expected format of the post code.
* Add more cars to the dropdown list (no Volkswagen etc).
* Maybe add a third radio button to the gender choice, ’Prefer not to say’.
* Also add an option of ‘I don’t own a car’.
* Add a further dropdown list for car model which is only activated and populated once a manufacturer selected from previous dropdown (i.e. Ford selected, so Focus, Fiesta etc populated in this drop-down)
* Depending on the purpose of these details, maybe car could be changed to vehicle to cater for vans etc or even more generic and road transport to include motorcycle etc.
* Further to above maybe a new radio button group called ‘Main mode of transport’ including car, van, motorcycle and selection one of these would activate the make dropdown list, or selection of bus, or none would leave the make list inactive.

**Confirmation page**

* Make use of the whole of the page and have details across the page rather than all down in a line.
* Have ‘My name is’ at the h2 size the same as the address and hobbies text and the actual name below in a different element.
* H2 headers should all consistent - start with a capital, then all be in lower case, end with a colon.
* Maybe gender could then be here under name and also be in a separate element to the text ‘I am’.
* Add more elements to house the extra address lines as suggested for previous form, all with unique id’s of course.
* Add id’s to all the hobby fields as only ‘walking’ currently has an id.
* Add id’s to all the fields where they do not currently exist.
* Sort out the elements with the id or ‘car’ as both the div and p have this id.
* Display the make of car starting with a capital, i.e. ‘Volvo’ displayed instead of ‘volvo’.
* Or display alternative text of ‘I don’t own a car’ if that is selected on the form rather than ‘I drive a Volvo’.
* Sort out the grammar of the car make output line ‘I drive a Audi’ should be ‘I drive an Audi’ if the first name of the car make begins with A. (Audi, Alpha Romeo).
* Provide an alternative way to get back to the menu, either a button or clearer link easily distinguishable from the text.
* Add a button ‘confirmation’ or ‘submit’ to confirm that the details displayed are correct.
* Add a button to go back to the form details to amend the details if the details are not correct.
* Add a new page after this one just to confirm the details have been submitted with text for example ‘Thank you for entering our competition….’, and include a back to menu link.