

Candidate 2 evidence

Media Query Design

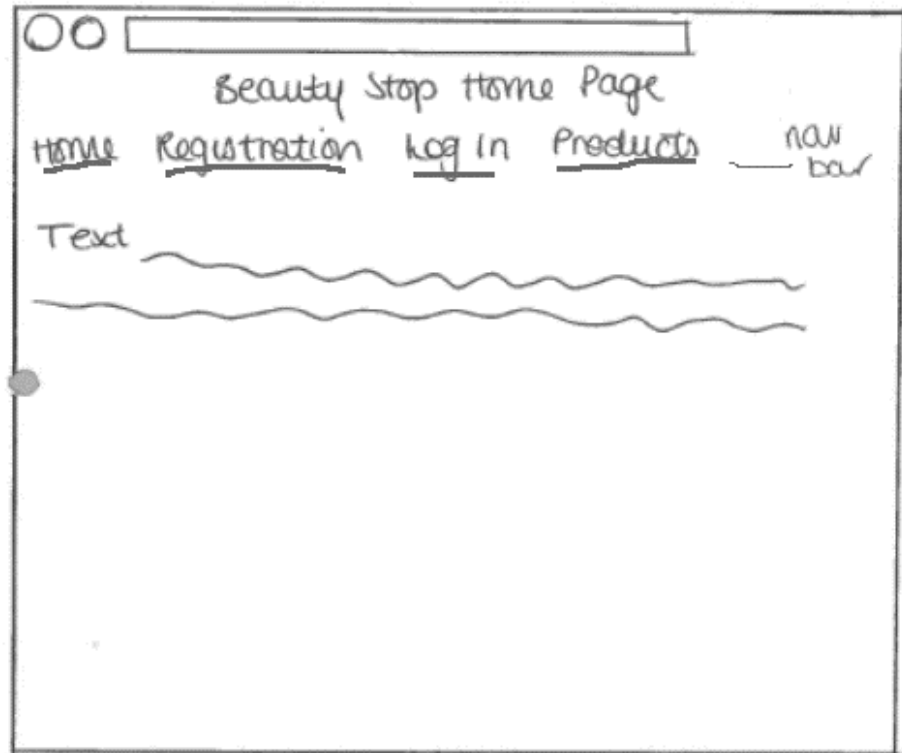
The website should display correctly when viewed in the browser on the school's desktop PCs. The display should be altered when the web browser window is reduced to a width of 750 pixels. When this happens, the font sizes will be reduced, and the horizontal navigation bar will be altered.

Browser width	Feature / Attribute	Description / Setting
Full width	CSS style rule	.fullScreen
	H1 font size	22px
	Body font size	16px
	H3 font size	18px
	Horizontal navigation bar	Created using ul elements inside the nav section
	Display	inline (.fullScreen) none (.smallScreen)
Maximum width of 750 pixels	CSS style rule	.smallScreen
	H1 font size	18px
	Body font size	12px
	H3 font size	14px
	Horizontal navigation bar	Created using a select form inside the nav section
	Display	inline (.smallScreen) none (.fullScreen)

User Interface Design

Wireframes

Home



Registration

00

Register

Home Registration Log In Products - nav bar

Complete form

First name

Surname

email

username

password

phone no.

address

FORM

These values are validated to make sure that values have been entered to all fields and only characters have been entered to name fields (PHP input val)

→ when submitted, the details are sent to the customer table via PHP code for insert query in the registration.php page.

00

Confirmation

Home Registration Log In Products - nav bar

welcome!

→ when submitted and validated users receive a "welcome" message. If there is an issue with a field they will receive a message saying "* is required"

↓ field name

log In

00

Home Registration log In Registration - nav bar

Text

username

password

→ when submitted the customer table is searched for the username and password of that particular customer from the customer table

00

Home Registration log In Registration - nav bar

welcome! → They will receive this message if their details are found in the customer table.

00

Home Registration log In Registration - nav bar

Sorry, we don't have records of this account! → if their details are not found they will receive an error message and be prompted to log in or register

Search Products

Products

home Registration log in Products -nav bar

ABH ▾ Submit

Drop down

when submitted, this will activate the SQL select query which will gather the products from the chosen brand and will display them, if they display only the Chelarent items, the query works properly.

Products

home Registration log in Products -nav bar

Name	Brand	Price	Image
~	ABH	~	X
~	ABH	~	X
~	ABH	~	X

The formatted output from the SQL query

Session Variable

A session variable will be used to store the username entered during a successful login.

- The user name submitted from the HTML form will be assigned to the PHP variable \$username using \$_POST
- The value stored in \$username will be assigned to the session variable "sessionuser" using \$_SESSION

Pseudocode for Server-side Processes

Registration Process

1. Assign connection details to PHP variables
2. Connect to database server
3. If there is an error with the connection then
4. Display error message
5. End if
6. Assign values submitted by HTML registration form to PHP variables using \$_POST
7. If first name is left empty then
8. Display error message
9. Else
10. If surname is left empty then
11. Display error message
12. Else if anything other than letters is entered then
13. Display error message
14. End if
15. If address is left empty then
16. Display error message
17. End if
18. If phone number is left empty then
19. Display error message
20. End if
21. If email is left empty then
22. Display error message
23. End if
24. If password is left empty then
25. Display error message
26. End if
27. Else

28. Create query to add customer details to database
29. Execute query to add details to the customer table
30. End if
31. Close server connection

Login Process

1. Start session
2. Assign connection details to PHP variables
3. Connect to database server
4. If there is an error with the connection then
5. Display error message
6. End if
7. Assign values submitted by HTML login form to PHP variables using `$_POST`
8. Assign value stored in `$username` to session variable `sessionUser`
9. Create SQL query to fetch details of customer from database (match by username)
10. Execute SQL query
11. If no records returned from the query then
12. Display account details not found message
13. Else
14. While a record is available for processing
15. If password entered = password in returned record then
16. Display personalised welcome message
17. Redirect to search page
18. Else
19. Display incorrect password message
20. redirect to login page
21. End if
22. End while
23. End if
24. Close database connection

Search Process

1. Start session
2. Assign connection details to PHP variables
3. If there is an error with the connection then
4. Display error message

5. End if
6. Assign search criteria submitted by HTML search form to PHP variable using \$_GET
7. Create query to fetch product details matching search criteria from database
8. If no products are found then
9. Display error message stating that no products are available from that brand
10. Else
11. Display table headings
12. While a product record is available for processing
13. Display product details in table cells
14. End while
15. End if
16. Close database connection

Query Design

Registration Query

INSERT	firstname, surname, username, phonenumber, email, address, password (all fields in the registration page)
TABLE	customer
VALUES	firstname, surname, username, email, address, password (all fields in the registration page)

Login Query

SELECT	everything from the customer table (use * wildcard)
FROM	The customer table
WHERE	username = username entered

Search Query

SELECT	everything from the product table
FROM	The product table
WHERE	brand = brand entered

Data Dictionary

Customer Table			
Field Name	Field Length/Type	Required	Key
firstName	Varchar(15)	Yes	
surname	Varchar(25)	Yes	
username	Varchar(20)	Yes	Primary key
telephoneNumber	Int(11)	Yes	
emailAddress	Varchar(50)	Yes	

Products Table			
Field Name	Field Length/Type	Required	Key
productID	Int	Yes	Primary key (auto increment)
productName	Varchar(50)	Yes	
type	Varchar(20)	Yes	
brand	Varchar(50)	Yes	Restricted choice
price	Float(4,2)	Yes	
imageFilename	Varchar(20)	No	

Entity Relationship Diagram

- there is no need for an ERD as there is no link between my database tables

Hierarchical Design of Website Structure

Links between pages has been indicated by the arrows in the hierarchical diagram below.

