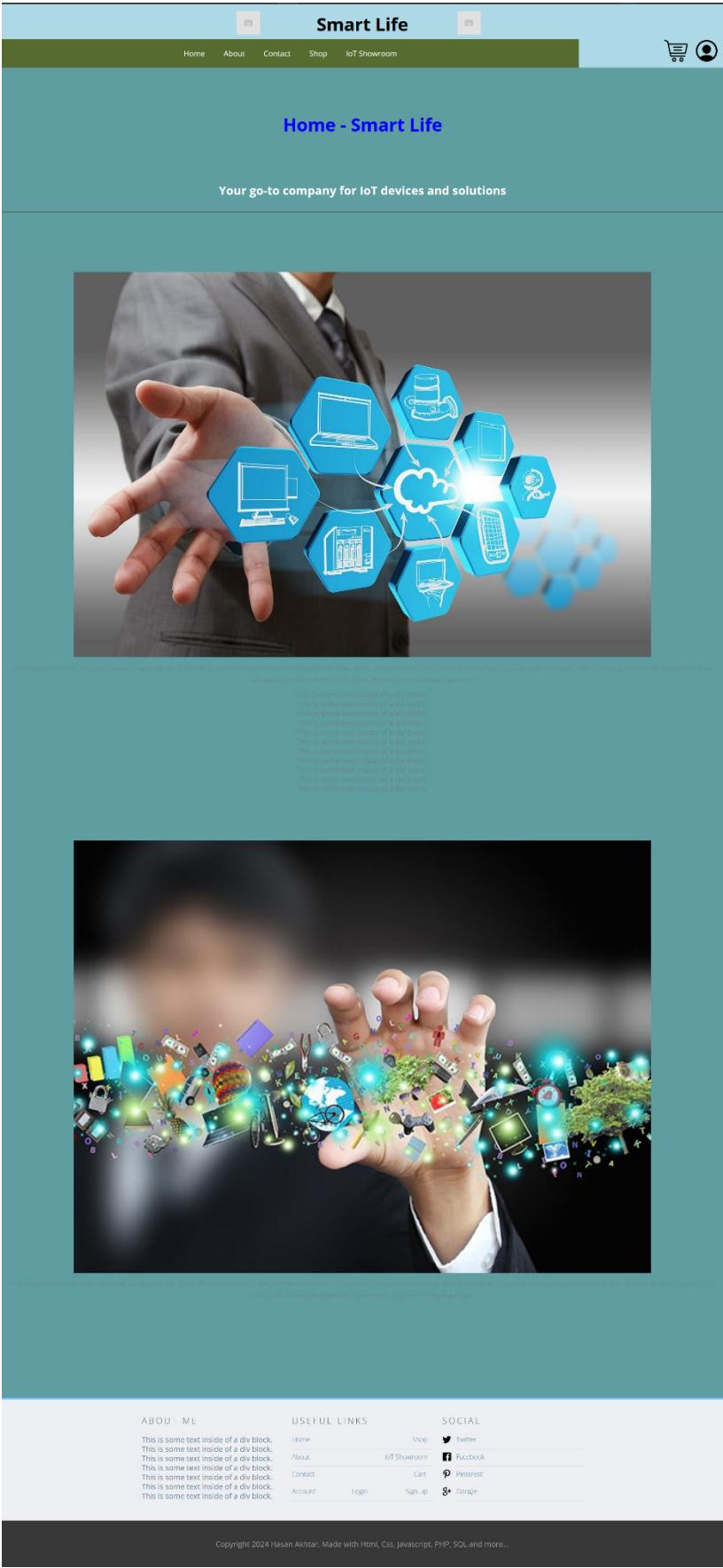


Hasan Akhtar (UB num: 23011124)
Internet Technologies Coursework
(April – May 2024)

Website Sketches:

Home page:

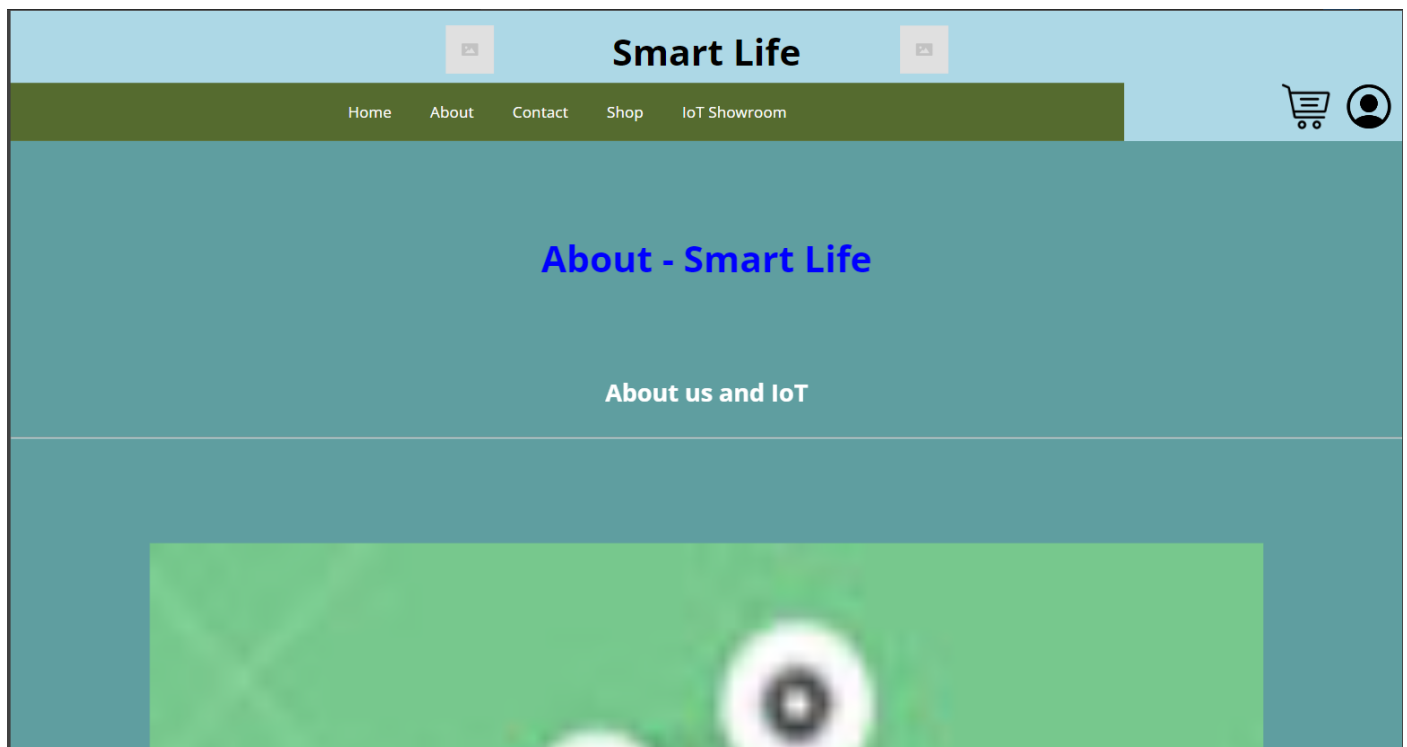


This is the overall layout of the website with the navigation bar, website title bar (including placeholder logos) and footer.

This sketch shows the homepage with placeholder text and pictures. There will also be a featured products section on the homepage (not shown here).

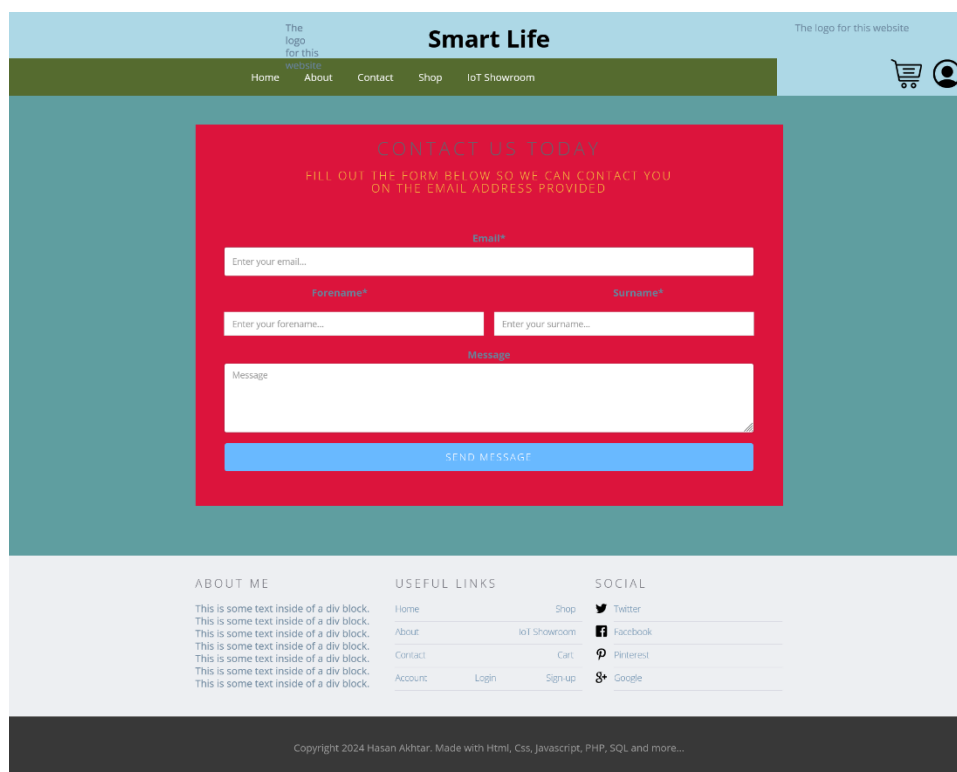
The next sketch will show the top of the about page, the about page will have a similar layout, therefore not all of it will be shown in the sketches.

About page:



Shown above is the about page. This page will tell some information about the company and also about IoT in general. The image shown below the headings is a placeholder for where a full screen version of the company logo will be and the about us section of the page will be.

Contact page:



Shown above is the contact page. This page will show a form that allows the user to input their contact details (forename, surname, email address) and also a message which isn't required but can be inputted by the user. The overall layout is similar to the previous 2 pages shown.

Shop page:

PRODUCTS PAGE

Here you will found all of Smart Life's products with filter and sorting options

Filter Items

Categories

- ☒ Kitchen Appliances
- ☐ Sitting Room Gadgets
- ☒ Smart Home
- ☐ Other

Price Range


- ☐ £0 - £14.99
- ☐ £15 - £29.99
- ☒ £30 - £49.99
- ☒ £50 - £99.99
- ☐ £100 - £199.99
- ☐ £200+

[Filter](#)

Search Items

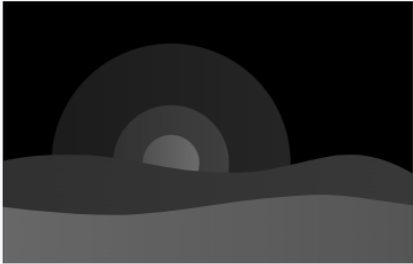
- ☐ Price: Low to High
- ☐ Price: High to Low
- ☐ Most Recent
- ☒ Most Popular
- ☐ Least Popular

[Search](#)




Product 1 - £9.99

[More Info \(Product Page\)](#)



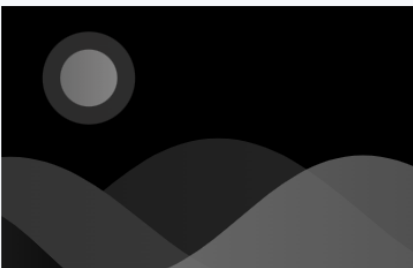
Product 2 - £15.99

[More Info \(Product Page\)](#)




Product 3 - £104.15

[More Info \(Product Page\)](#)




Product 4 - £19.99

[More Info \(Product Page\)](#)




Product 5 - £49.99

[More Info \(Product Page\)](#)



Product 6 - £54.49

[More Info \(Product Page\)](#)



Product 7 - £212.21



[More Info \(Product Page\)](#)

Shown above is the shop page. This page will show some products arranged like a grid with links to the individual product pages as buttons. It will also show a sidebar that will allow filtering and sorting of products. NOTE: "Search items" should say "Sort items".

Account page:

Smart Life

HomeAboutContactShopIoT Showroom



My account

Log out at bottom of page

Account Information

Current Details:

Your email: example@gmail.com

Your hashed password: \$2y\$10\$QoVz8NiMbWkIJNqVw9r2puN9.GyH0A5IRMvbV93xEy1wLqCSauecq

Update your details:

Current Email:

example@gmail.com

New Email:

Confirm New Email:

Current Password:

Enter current password...

New Password:

example@gmail.com

Confirm New Password:

example@gmail.com

Update

Log Out

ABOUT ME

This is some text inside of a div block.
This is some text inside of a div block.
This is some text inside of a div block.
This is some text inside of a div block.
This is some text inside of a div block.
This is some text inside of a div block.

USEFUL LINKS

Home

About

Contact

Account

Shop


IoT Showroom


Cart


Sign-up


Login

SOCIAL

 Twitter

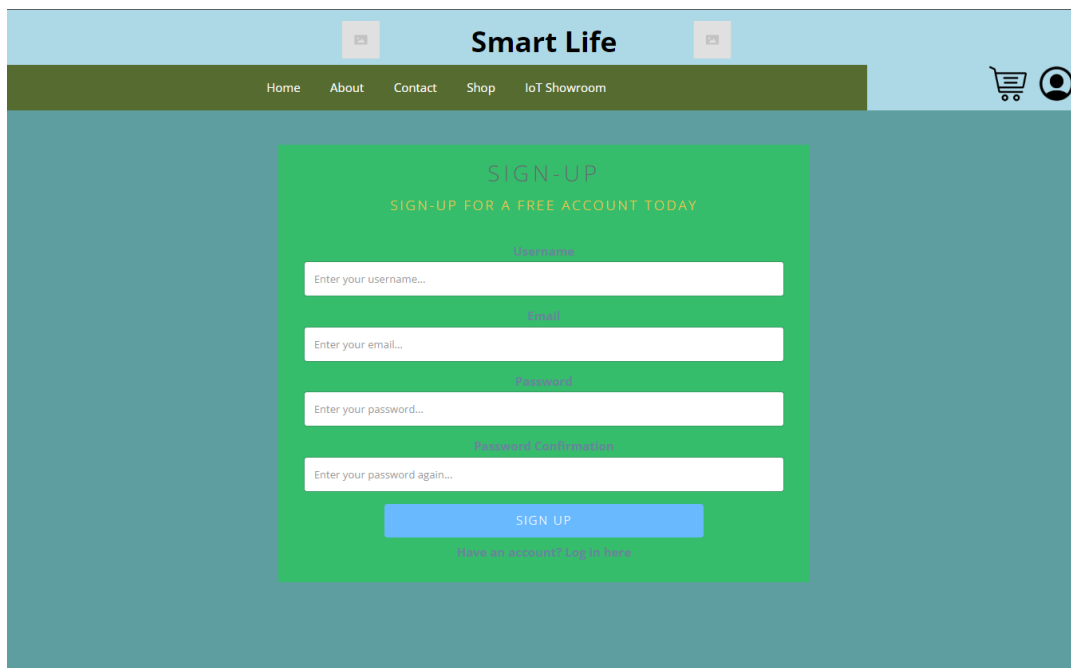
 Facebook

 Pinterest

 Google

Shown above is the account page. This is the page where the user will be redirected to after logging in and will be customised for each user. It will allow the user to change either their email, password or both and display the current versions of these details. It will also include a log out button and a table for the products they have purchased in the past (not shown here).

Login & Register pages:



The image shows a web browser window with the 'Smart Life' logo at the top center. The navigation bar includes links for Home, About, Contact, Shop, and IoT Showroom. In the top right corner, there are icons for a shopping cart and a user profile. The main content area features a green 'SIGN-UP' form with the heading 'SIGN-UP FOR A FREE ACCOUNT TODAY'. The form contains four input fields: Username, Email, Password, and Password Confirmation, each with a placeholder text. A blue 'SIGN UP' button is at the bottom of the form, and a link 'Already have an account? Log in here' is below it.

Smart Life

Home About Contact Shop IoT Showroom

SIGN-UP

SIGN-UP FOR A FREE ACCOUNT TODAY

Username

Enter your username...

Email

Enter your email...

Password

Enter your password...

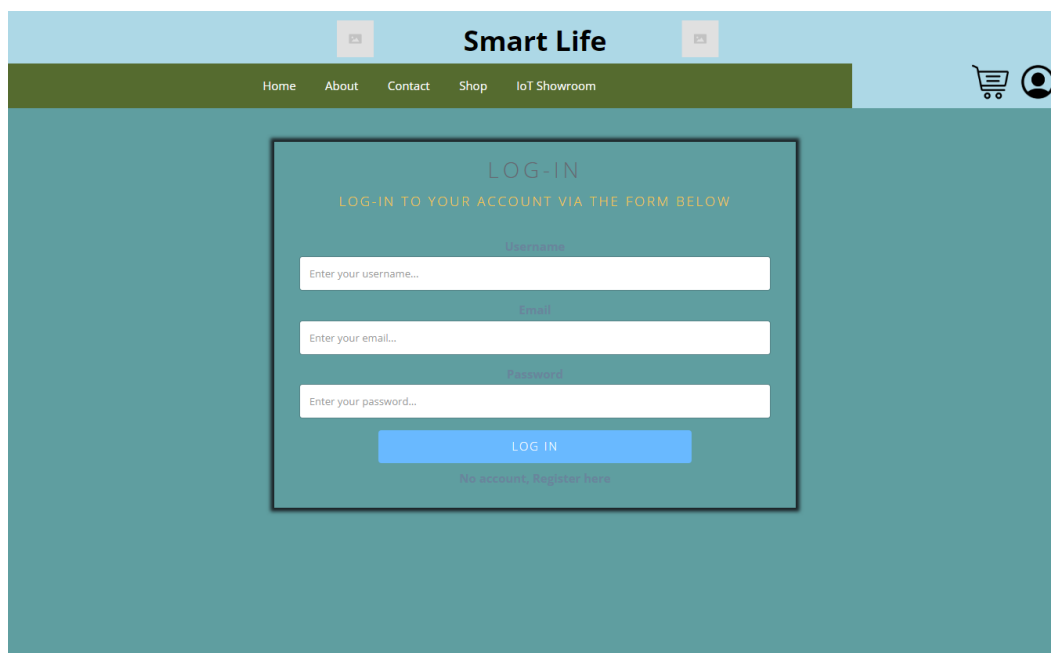
Password Confirmation

Enter your password again...

SIGN UP

Already have an account? Log in here

REGISTER



The image shows a web browser window with the 'Smart Life' logo at the top center. The navigation bar includes links for Home, About, Contact, Shop, and IoT Showroom. In the top right corner, there are icons for a shopping cart and a user profile. The main content area features a teal 'LOG-IN' form with the heading 'LOG-IN TO YOUR ACCOUNT VIA THE FORM BELOW'. The form contains three input fields: Username, Email, and Password, each with a placeholder text. A blue 'LOG IN' button is at the bottom of the form, and a link 'No account? Register here' is below it.

Smart Life

Home About Contact Shop IoT Showroom

LOG-IN

LOG-IN TO YOUR ACCOUNT VIA THE FORM BELOW

Username

Enter your username...

Email

Enter your email...

Password

Enter your password...

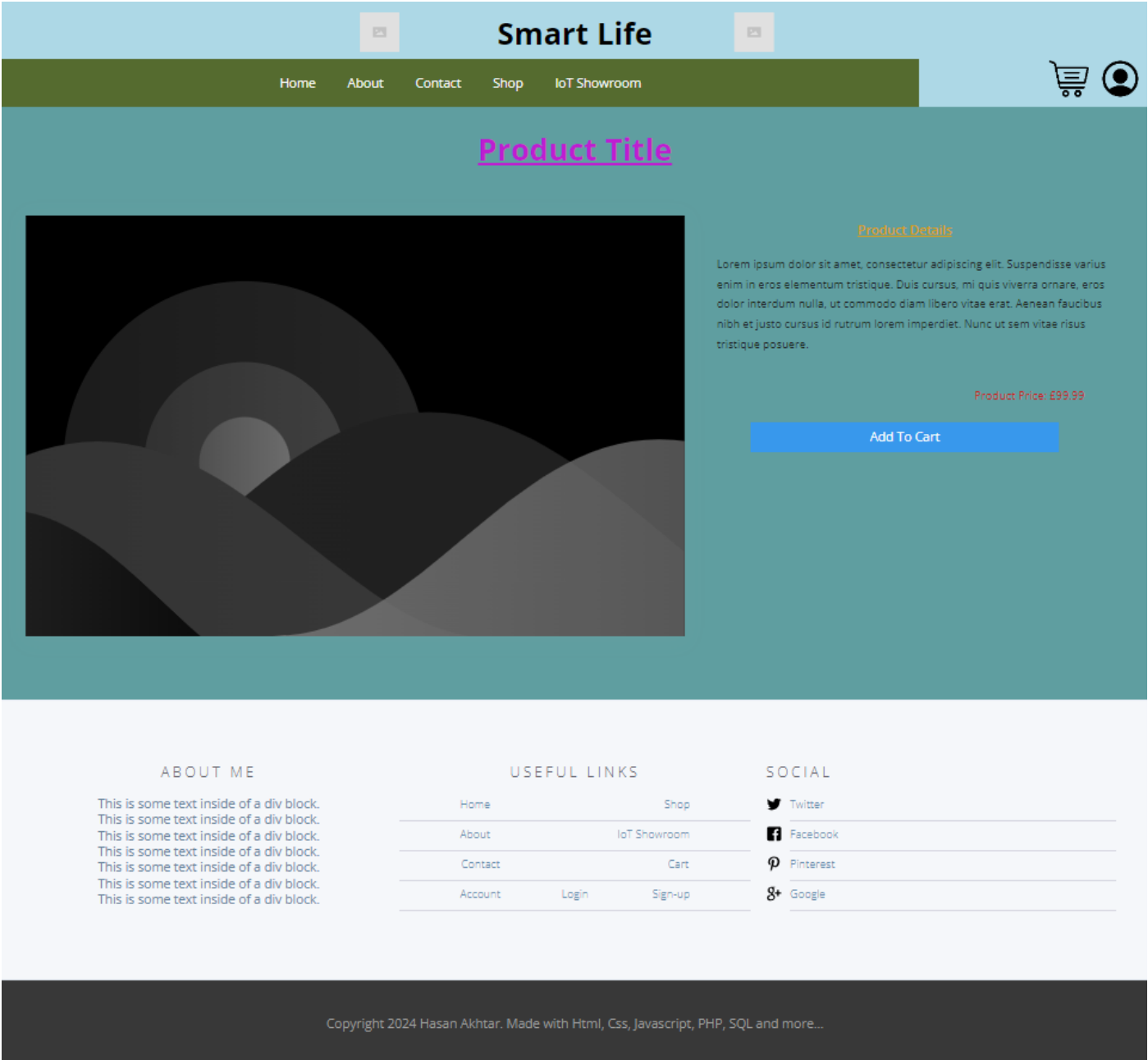
LOG IN

No account? Register here

LOG-IN

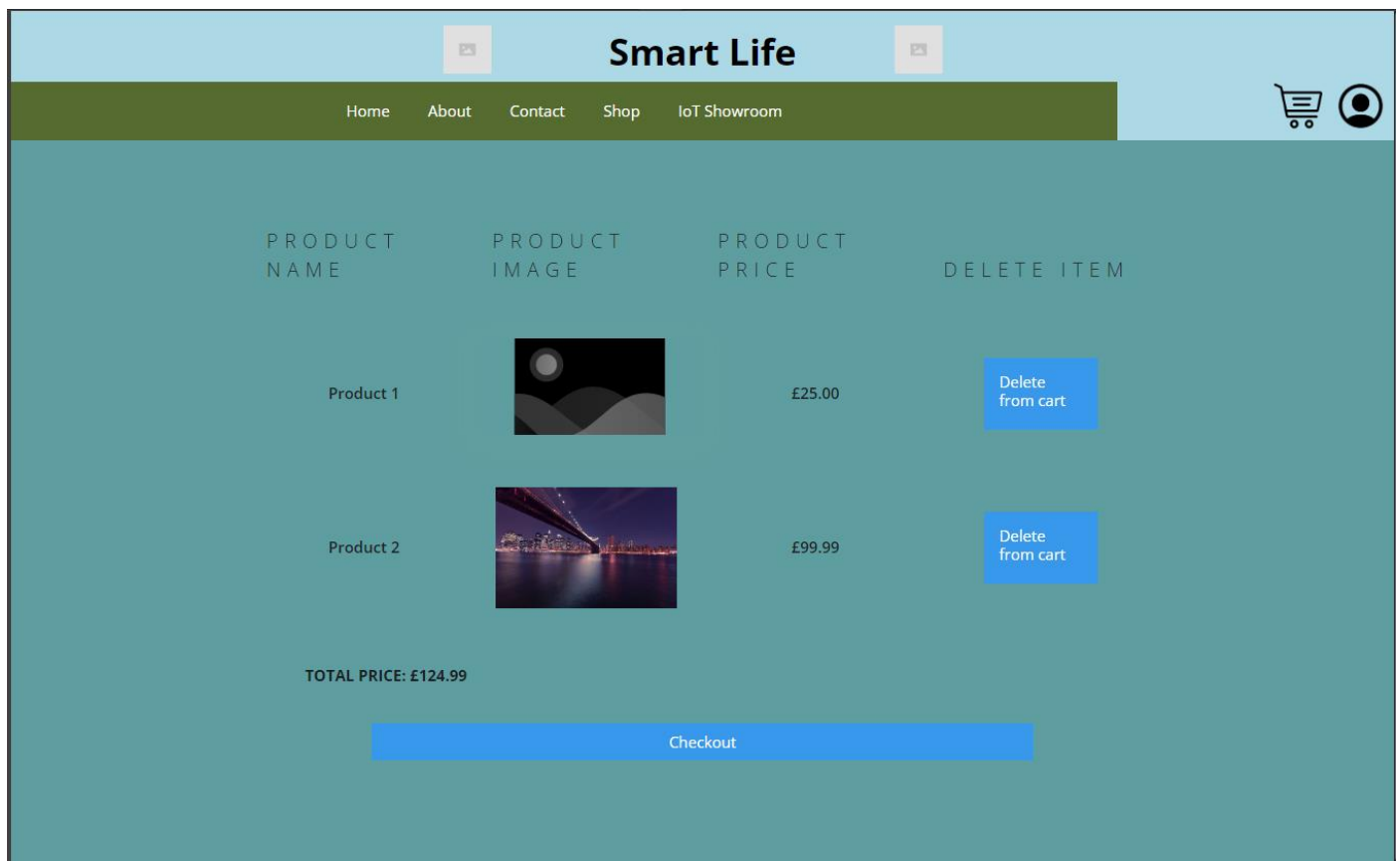
Shown above are the register and log-in pages. The register page will allow the user to input their Username, email address, password and then password again (for confirmation) and register, after which (if successful) they will be redirected to the login page. The login page will allow the user to enter an existing Username, email address and matching password and login to the account, after which (if successful) they will be redirected to their account page. It will also have a link to switch between the pages. The login page will be the default page when the user clicks the account button in the top right corner.

Product page:



Shown above is the product page. This is the page where the individual products are displayed and can be directed to from either the shop or featured products section on the home screen. It will be different for each product and will include an add to cart button.

Cart page:



Shown above is the cart page. This is the page where the user will be able to view the items they have added to the cart. In my website, it will be a separate page, rather than a sidebar and can be accessed by clicking on the cart icon in the top right. It will display the items in a grid format, this will be done by using a table in the actual website and will allow users to delete items from their cart as well as checkout via the relevant buttons.

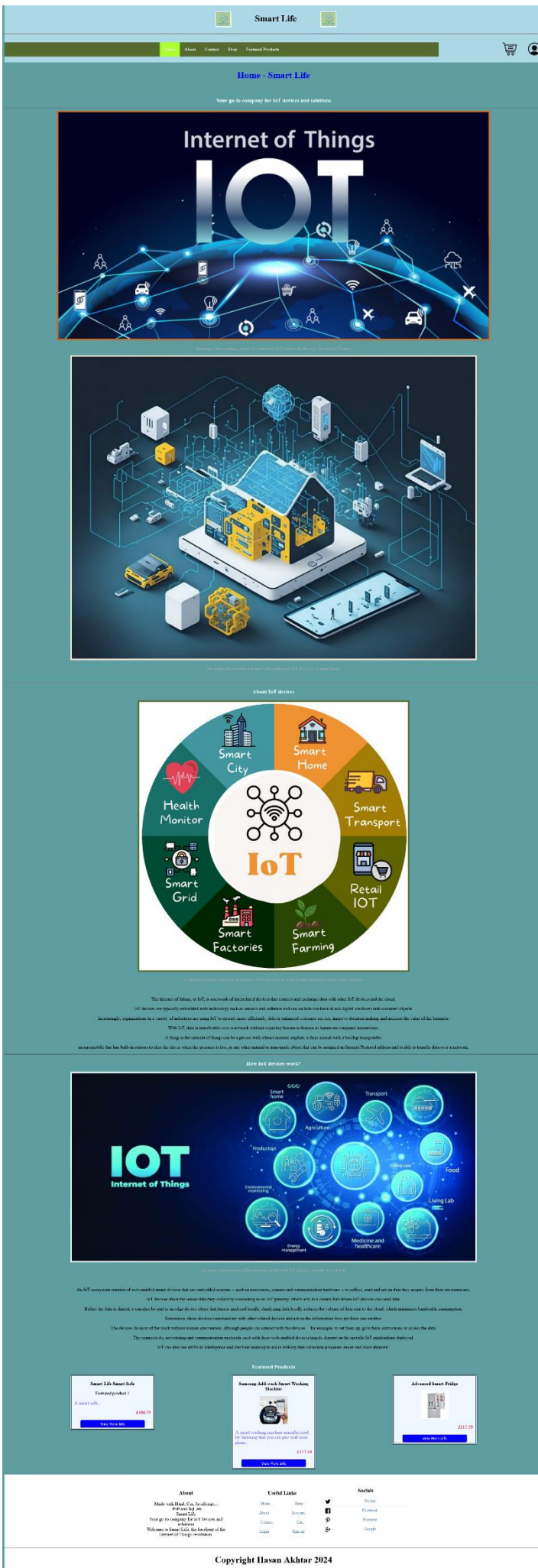
Actual Website:

Shown below are some screenshots of the actual website with explanation for what was and wasn't implemented.

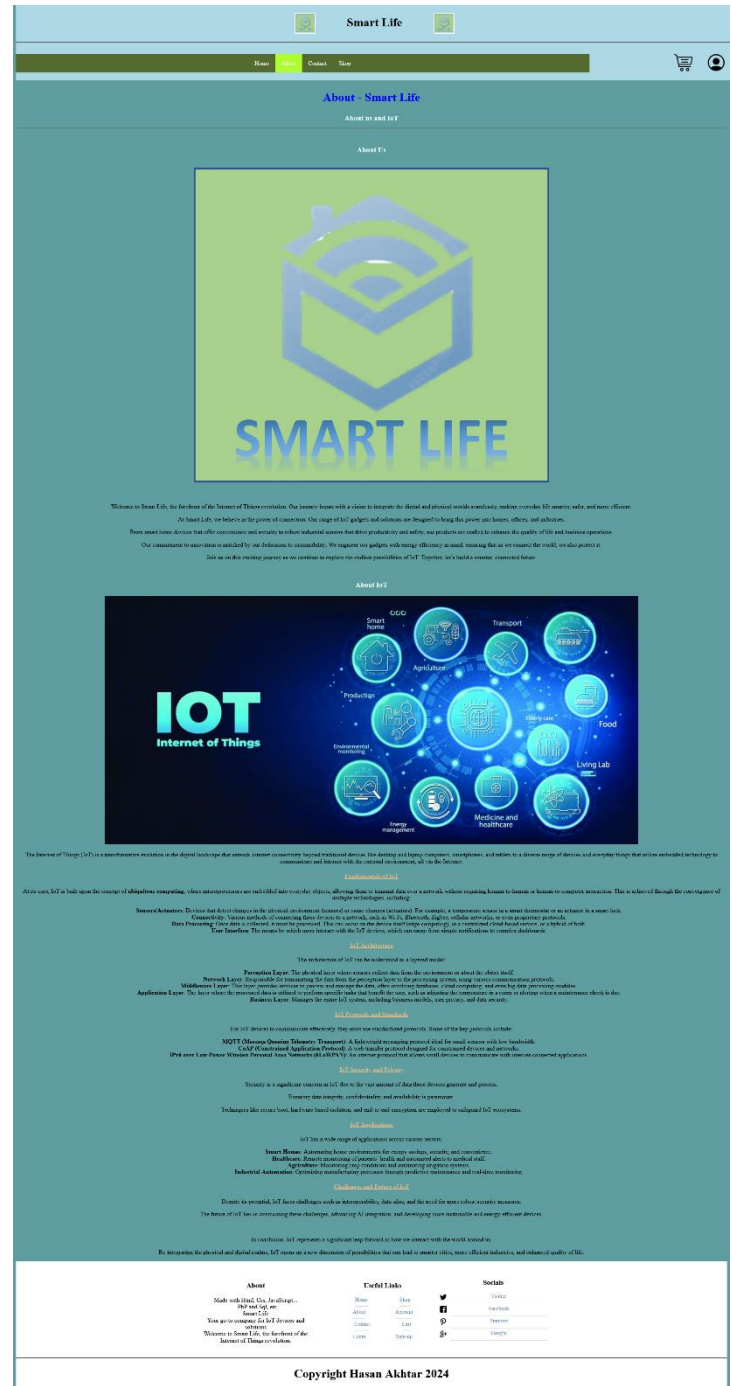


Shown above is the fullscreen view of the homepage from the top. It was implemented much to the same as the sketch with a very similar layout as the sketches were kept in mind while developing the website. Shown on the next page is the full view of the home page. Also shown below is a video demonstrating a user scrolling down the home page. As you can see, the navigation bar is fixed and hovers over the page while scrolling down. Also, there is a featured products link (only on the home page) that takes you to the featured products section of the home page for ease of use.





The about page was much to the same layout as the home page, it includes 2 sections, one that explains about the company and one that explains about IoT in general. Shown below is the full screenshot of the about page and on the next page is the screenshot of the fullscreen view from the top.





Shown above is the top view of the about page, it follows the same layout as the homepage with the general website navigation bar and footer and also a similar layout for text and pictures.

Shown below is a screenshot of the contact page. As shown in the sketch, it has some text and a form that the user can fill out their details and send a message. Unfortunately, the functionalities of this form weren't implemented.



Shown below is the screenshot of the shop page with links for the individual products, a grid layout was indeed used to position the individual boxes and a similar sidebar as the one in the sketch that shows filtering and sorting options. However, the functionality for this couldn't be implemented due to time constraints.

Smart Life

HomeAboutContactShop

Shopping Cart

User Profile

PRODUCTS PAGE

Here you will find all of Smart Life's products with filter and sorting options

Filter Items

Categories

- Kitchen Appliances
- Sitting Room Gadgets
- Smart Home
- Other

Price Range

£0 - £14.99

£15 - £29.99

£30 - £49.99

£50 - £99.99

£100 - £199.99

£200+

Filter

Sort Items

Price: Low to High

Price: High to Low


Most Recent

Most Popular

Least Popular

Sort

Smart Life Basic Smart Watch




A basic, cheap and reliable smart watch that can connect to a smart phone via bluetooth and has a range of digital features

£23.99

View More Info


Advanced Smart Fridge



£115.99

View More Info

Smart Life Intermediate Smart Thermostat




A smart thermostat manufactured and sold only by Smart Life

£99.54

View More Info

UberX self-driving car




A self-driving car manufactured and advertised by UberX

£20346.99

View More Info

EGL 32E23HDS1 32 Inch HDR LED Smart TV




Enjoy crisp, vibrant HD displays with the new 2022 EGL TV range. Watch all your favourite apps easily with our Smart features, whether you're watching the big game, entertaining the kids or playing your favourite gaming console, this TV is perfect for all the family.

£99.99

View More Info

Samsung Add-wash Smart Washing Machine



A smart washing machine manufactured by Samsung that you can pair with your phone.

£125.99

View More Info

Smart Life Smart Sofa

Shop Product 7

A smart sofa...

£104.99

View More Info

Product 8

Shop Product 8

Product Description 8

£0.00

View More Info

About

Made with Html, Css, JavaScript...
...PHP and Sql, etc.
Smart Life
Your go-to company for IoT devices and solutions
Welcome to Smart Life, the forefront of the Internet of Things revolution.

Useful Links

Home

About

Contact

Login

Shop

Account

Cart

Sign-up

Socials

Twitter

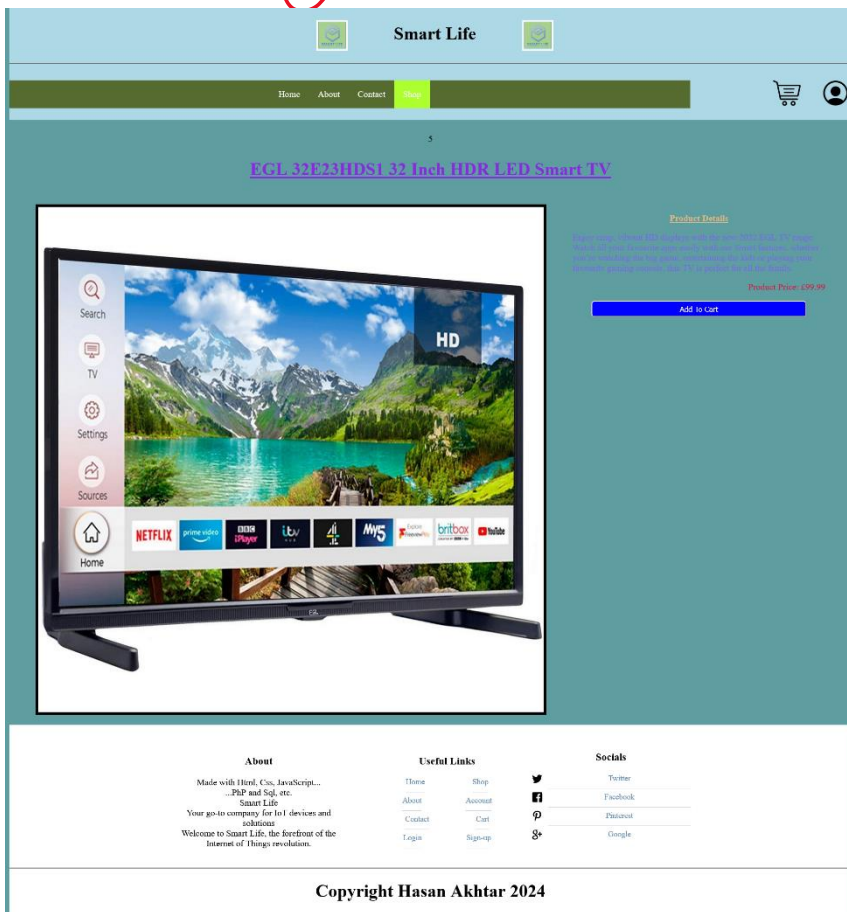
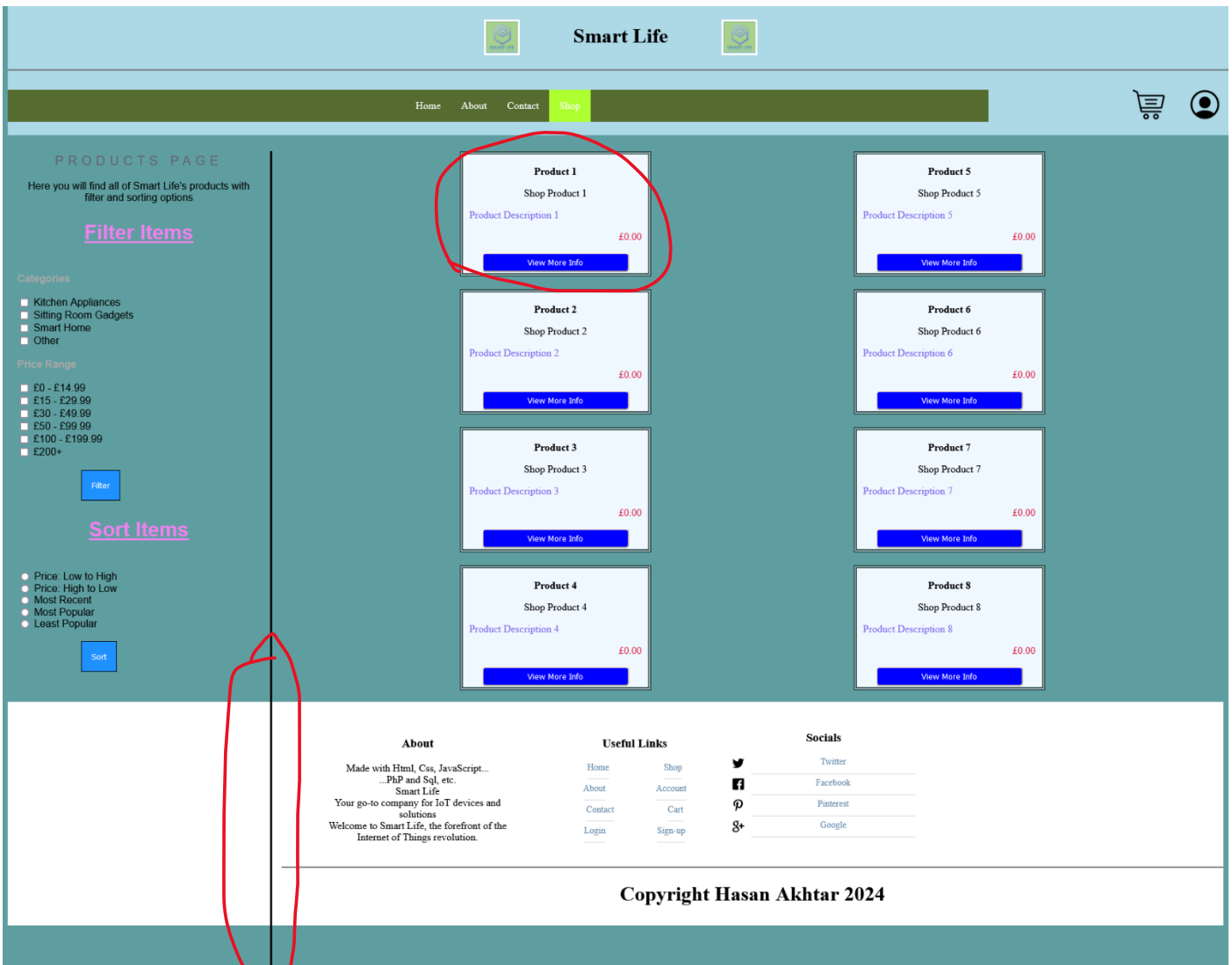
Facebook

Pinterest

Google

Copyright Hasan Akhtar 2024

As you can see, there are 8 placeholders for products with 6 of them having a picture, 1 still being a placeholder (Product 8), 1 without a picture (Smart Life Smart Sofa) and 1 without a description (Advanced Smart fridge). These products are dynamically fetched from the database when the page loads. For reference, on the next page is a screenshot of the shop page when the database isn't connected.

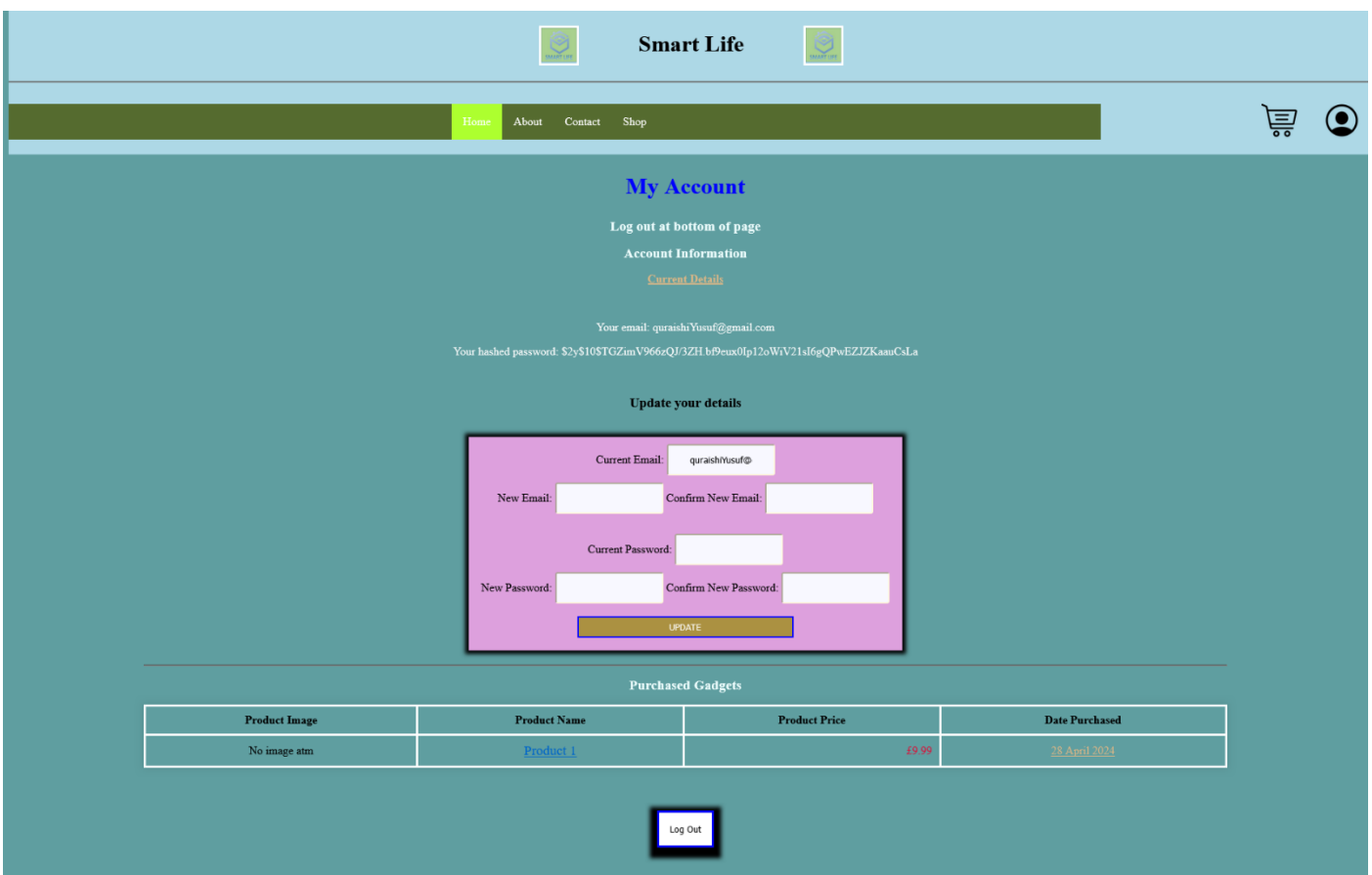


As you can see, in the above screenshot, none of the products have been loaded and the sidebar extends to the bottom of the page. This also pushes the bottom footer to the right which isn't ideal.

Shown on the left is the screenshot for the individual product pages, this one shows the product with id 5. As you can see, the id number of the product is shown at the top, just under the navigation bar and then the Name/Title of the product is shown in bold, underline and purple font. Then on the left side a full view image is shown of the product and on the right side the product details are shown including the price and an add to cart button.





Shown above is the screenshot of the cart page. This displays the products the customer has added to their cart including the product name, image and price. It also includes a “Delete from cart” button on each row. This deletes the item from the table, however not from the database as due to time constraints this couldn’t be implemented, so when the page is refreshed the item is back. There is also a total price displayed which updates whenever an item is added or “deleted” from the cart. Then there is a checkout button which, at the moment, only brings up a pop-up saying “Checkout coming soon...”. This also couldn’t be implemented fully due to time constraints.





Shown above is the standard account page. This has all the featured mentioned in the sketches as well as a table for purchased gadgets (which isn’t dynamic due to time constraints)

There is also a developer account page (shown below) that includes some extra functionality such as adding/removing admins. This was made as my own account page and I hard-coded the extra features in while making the website (only for this page).

Smart Life

[Home](#) [About](#) [Contact](#) [Shop](#)



My Account (Dev)

Log out at bottom of page

Account Information

[Current Details](#)

Your email: akhtarhasan2003@gmail.com

Your hashed password: \$2y\$10\$kh31FNnCUk38yDPjdgS0RusQ1revM8hB83JE9v4c3VtunDpxuO76

Update your details

Current Email:

New Email:

Confirm New Email:

Current Password:

New Password:

Confirm New Password:

UPDATE

Developer controls for H.Akhtar:

[Go to add Admin section](#) [Go to add Product section](#) [Go to remove Admin section](#)

Product Image	Product Name	Product Price	Date Purchased
No image atm	Product 1	£9.99	28 April 2024

Fill out this form to add an admin to the database

Admin Username:

Admin Email:

Admin Password:

ADD THIS ADMIN

Fill out this form to add a product to the database

Product Name*:

Product Image (Link):

Product Cost*:

Product Description:

ADD PRODUCT

All current admins are listed below

Admin Username	Admin Email
Hakim26	hakim26@bradford.ac.uk
DaveJK	davejk@gmail.com
	undefined

Fill out this form to remove an admin from the database

Admin Username:

Admin Email:

Admin Password:

REMOVE THIS ADMIN

Log Out

As you can see, the extra features are circled in blue and includes: navigation buttons for the extra sections; a form to add an admin to the database; a form to add a product to the database; a table showing the current admins and a form to remove an existing admin from the database. All these features were implemented with JavaScript and the PHP linking to the database.

Finally, shown below are the login and register pages that allow a user to register and then login to the website with all the features mentioned in the sketches. Once they are logged in, they can access their account, either straight away or at any time by clicking the account button. There is a JavaScript function that checks if the user is logged in and then changes the link of the account button to the users account from the login form (which is the link if the user isn't logged in). Also if they log out, then the link becomes back to the login page.

The screenshot shows the 'Log In' page of the 'Smart Life' website. The header is light blue with the 'Smart Life' logo in the center, flanked by two small green icons. Below the header is a dark green navigation bar with 'Home' highlighted in yellow, and 'About', 'Contact', and 'Shop' in white. On the right side of the navigation bar are icons for a shopping cart and a user profile. The main content area has a teal background. At the top, it says 'Log In' in bold. Below that, it says 'Log-in to your account via the form below'. The login form is a white box with a black border. It contains three input fields: 'Username' (with placeholder 'Enter Username'), 'Email' (with placeholder 'Enter email'), and 'Password' (with placeholder 'Enter password'). Below the password field is a blue 'LOG IN' button. At the bottom of the form, it says 'No account, [Register here](#)'.

The screenshot shows the 'Sign up' page of the 'Smart Life' website. The header is light blue with the 'Smart Life' logo in the center, flanked by two small green icons. Below the header is a dark green navigation bar with 'Home' highlighted in yellow, and 'About', 'Contact', and 'Shop' in white. On the right side of the navigation bar are icons for a shopping cart and a user profile. The main content area has a teal background. At the top, it says 'Sign up' in bold. Below that, it says 'Sign-up for a free account today'. The sign-up form is a white box with a black border. It contains four input fields: 'Username' (with placeholder 'Enter Username'), 'Email' (with placeholder 'Enter email'), 'Password' (with placeholder 'Enter password'), and 'Password Confirmation' (with placeholder 'Enter password again'). Below the password confirmation field is a blue 'SIGN UP' button. At the bottom of the form, it says 'Have an account? [Log in here](#)'.

In conclusion, the website includes lots of features, such as logging in, signing up, viewing dynamically fetched products, adding/removing admin users, adding products to the cart etc. However, some features were not implemented fully due to time constraints such as the checkout process, special admin permissions, deleting of items from the cart etc. I hope you enjoyed the look and feel of my website and the different features and I look forward to showing you the features in action in the demonstration.