

Assignment 2 - Report

by Dafydd Pett

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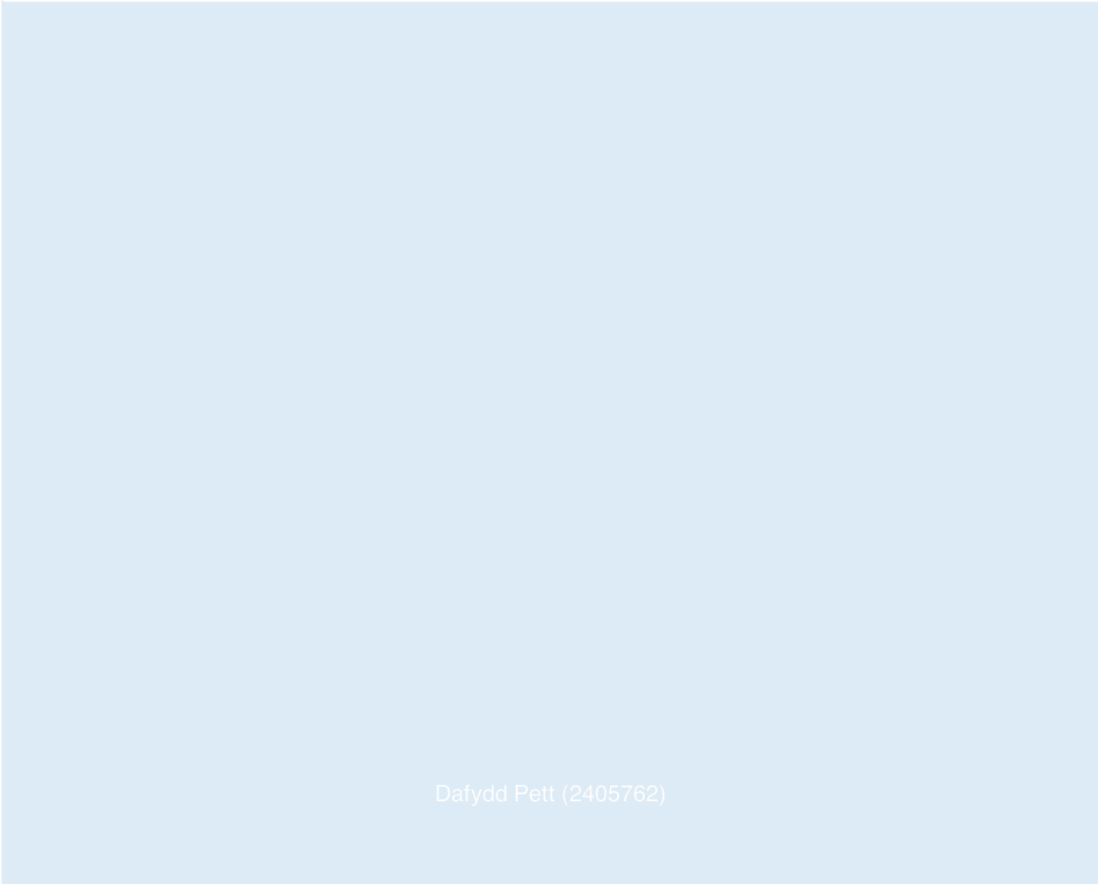
Assignment 2 – Report

Introduction to Web and Database Concepts

Design and hand-code a website using web standards

Dafydd Pett

2405762



Dafydd Pett (2405762)

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Introduction

I have been tasked with hand coding a fully functional website with a minimum of 5 pages for a hobby or topic of my choice using HTML and CSS from scratch. The website will need to have a range of features and give clear information to the user of the website. I used Notepad++ which allowed me to create both a CSS sheet and 6 HTML pages.

The topic I have chosen to base my website on is my hobby which is Beekeeping In Wales. This website features a range of information about my hobby, how it started and also how I see it progressing. The pages I had created are Home, about, products, awards, FAQ and Contact.



I had implemented a range of features such as SEO, high contrast colours to allow access for visually impaired and multimedia.

Requirements

There are a number of requirements for the website that I am going to build in order for it to be functional and informative.

Firstly, the website I have to create will need to have an easy to read colour scheme so that text is readable but the colour scheme is also aesthetically pleasing and is consistent throughout the entire website. The colour scheme that is to be used also needs to be readable by visually impaired individuals with the correct levels of contrast between the colours that I have chosen for different sections in my site and the text colour I have chosen.

The website will need to be informative as the website which I will be creating will be for an audience that is either interested in my story or someone who is interested in Beekeeping In Wales so they have the aim of getting both information about how I got into my hobby but also information on my beekeeping operation to keep all audiences engaged.

I also need to ensure that the features that are on the website engage the user of the website such as implementing tables while also having a good layout using a well designed CSS sheet.

In order for the user of the website to flick from page to page, the website will need to have a navigation which will also feature the name of the website.

A footer will also be added to the website so that it can contain any information such as social media pages or copyright information.

I needed a minimum of 5 pages on the website as part of the brief's requirements. I have decided that I will create the following pages to explain the topic that I had chosen: Beekeeping In Wales.

Home – The home page on my website will outline some of the information about the topic that I have chosen which in this case is about my beekeeping hobby and a brief background on how I got into it. I will also add images to support the topic I am writing about as well as a video which will engage the user of the website. The home page will also feature bullet points outlining some of the main things that are part of my hobby and may be of interest to the user.

About – The about page will tell the user of the website a bit about how I got into my hobby and as a result how I opened a company from the hobby that I had got into. On this page, I

will add a range of images on the site to tell the story of my hobby and I will also create a table with the timestamps on how my business and hobby have progressed in the family since it had started.

Products – The products page will show some of the products that I am able to produce as part of my hobby and then a paragraph on how that product is produced under the photograph that is embedded into the website.

Awards – As part of my beekeeping venture, I have won a range of awards. The awards page on this website shows all of the awards that have been won using images and headings which gives the user of the website a better understanding of what I have accomplished.

FAQ – Within the Frequently Asked Questions page, I have a range of questions which people often ask me about my hobby and the products that I sell which has been put in using bullet points and then answered underneath in a new paragraph making it easy to read.

Contact – The contact page is a text based page which has a range of information on how they are able to get in touch with me which has been put in a clear, easy to read format.

Implementation

Home

The default landing page for the website I have created is the home page. The top of the page has a navigation which has the title of the website as well as buttons which will allow you to select the page you want to get to. As you can see below, the home page features a heading, images of me and my hobby as well as a promotional video which will give the user of the website a better idea of what the website is all about. On this page, I have added an unordered list which engages the user with some interesting information about my hobby.



A paragraph about the company along with large headings which all meet requirements needed for visually impaired are on the home page which will give the audience an understanding of what it is all about.

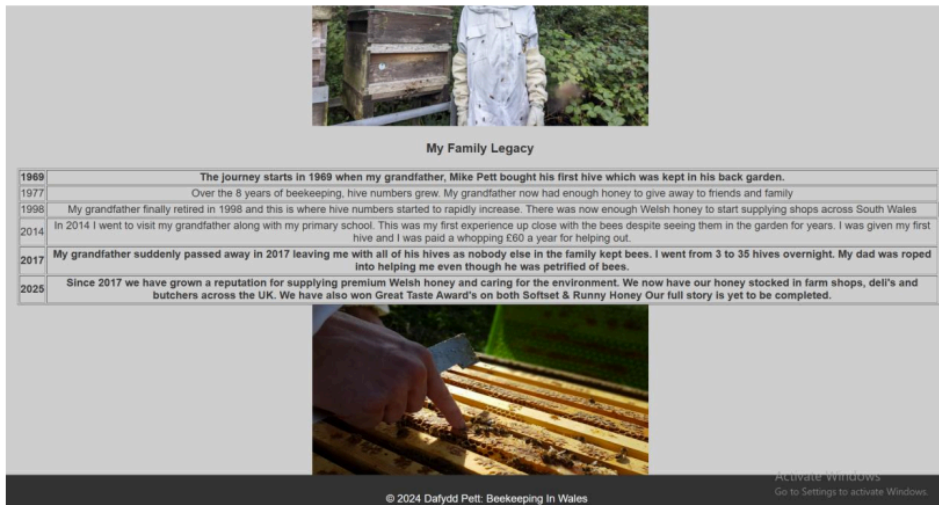


About

The about page has a range of information on what the business and hobby is all about and how I got into it.



I have added a range of images which show the story that I have told within the text on my website which will keep the user engaged.



I have then created a table which shows a timeline on how the hobby had started within the family and how I have continued the family legacy into making it a profitable enterprise.

Products

The products page has a range of photos and information about the products that I offer from my beekeeping hobby.

BEEKEEPING IN WALES

[Home](#) [About](#) [Products](#) [Awards](#) [FAQ's](#) [Contact](#)

PRODUCTS

From my hobby, I am able to sell the excess honey that the bees produce to independent retailers across the UK as well as direct to the consumer. I offer a range of different honeys which are all made in different ways and taste different despite it being the same raw product.

WELSH RUNNY HONEY



Welsh Runny Honey is honey in it's most raw form. Our runny honey has nothing added and nothing taken away except from any pieces of wax which may have ended up in the honey from the bees.

© 2024 Dafydd Pett: Beekeeping In Wales

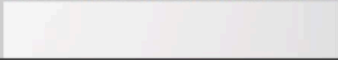
[Go to Settings to activate Windows.](#)

WELSH SOFT SET HONEY

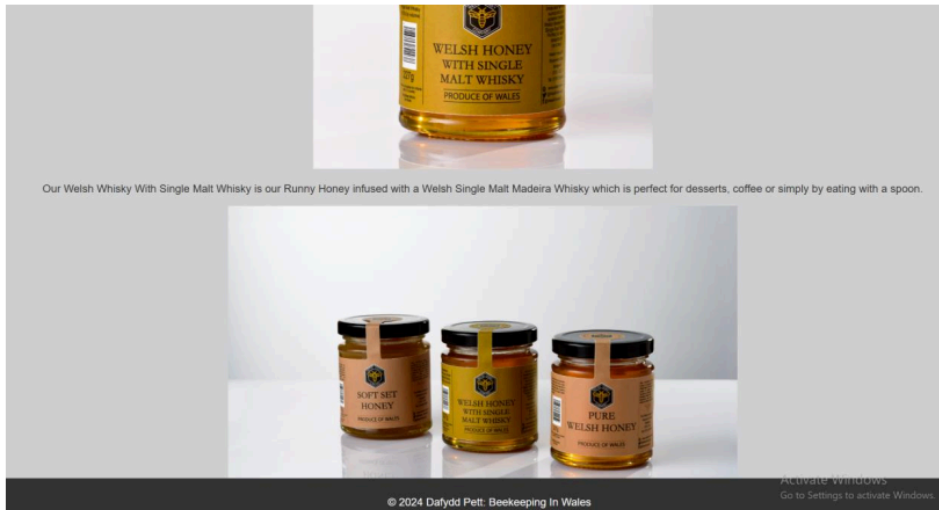


Our Soft Set Honey is made by spinning already crystalized honey which makes the honey smooth but thick with the aim of it being easier to spread and eat on the spoon.

WELSH WHISKY WITH WELSH SINGLE MALT WHISKY



DAFYDD PETT



Under all of the image that I have added to this page, I have a range of text which explains how each of the honeys are made.

Awards

On the awards page of my website, I have a range of awards which I have showcased using images and headings so that the user of the website is able to see what I have managed to accomplish from my hobby but also the awards that my business has achieved.





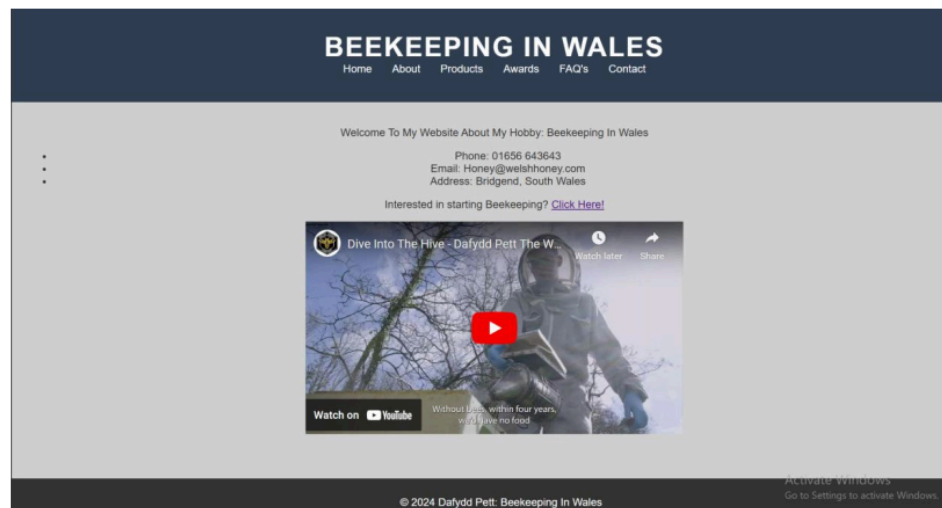
Frequently Asked Questions

On the frequently asked questions page, I have used both an unordered list and paragraphs to differentiate the question and the answer as part of the FAQ. This will benefit the user of the website to answer any of the questions they may have about the hobby or the products.



Contact

The contact page of the website is a simple text based page which has a range of information on how to get in touch. The page also features a hyperlink to the Bridgend Beekeepers Association page for anyone who would like to get into beekeeping.



I have then embedded a video directly from YouTube about my story which will keep people interested in the site.



Validator

Home Page:

I have put the HTML code of my home page into W3 validator. This will allow me to see if there are any issues with the code I have written.



[1]

Above you can see the errors that I have got from my home page. Within error 1, I needed to remove the opening HTML tag.

On error 2 of the home page, I needed to add a closing HTML tag to the Nav line of code as shown below.

```

19 </li><a |
20 </li><a |
21 </ul>
22 </nav>

```

For error number 3, I have closed the div element by adding an open HTML tag to the start of the /div I had added to the code.

Error number 6 will then need to be amended within my CSS sheet.

About

- Error** Bad character < after <. Probable cause: Unescaped <. Try escaping it as <.
At line 26, column 2
`gn: center;"><h2 style="font`
- Error** The border attribute on the table element is obsolete. Use CSS instead.
From line 38, column 1; to line 38, column 18
`acy </h3><Table Border="1"><thead`
- Error** Start tag t seen in table.
From line 39, column 8; to line 40, column 3
`"><thead><t><th>1`

Above you can see the errors I have got from the about page. Error 1 I had to simply remove a duplicate attribute. Error 2 needs to be corrected again within my CSS.

Error 3 was down as a <t> tag which was meant to be a table row (<tr>) tag. Once this was replaced with <tr>, the error had gone.

Products

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser.

On the products page, there were no errors that appeared within the code.

Awards

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 3 milliseconds.

I was also able to have no errors on my awards page.

FAQ's

- Error** Element `li` not allowed as child of element `body` in this context. (Suppressing further errors from this subtree.)
From line 34, column 1; to line 34, column 4
`ntent</p><li>How sh`
Contexts in which element `li` may be used:
Inside `ol` elements.
Inside `ul` elements.
Inside `menu` elements.
Content model for element `body`:
[Flow content.](#)
- Error** Element `li` not allowed as child of element `body` in this context. (Suppressing further errors from this subtree.)
From line 36, column 1; to line 36, column 4
`ight.</p><li>How ca`
Contexts in which element `li` may be used:
Inside `ol` elements.
Inside `ul` elements.
Inside `menu` elements.
Content model for element `body`:
[Flow content.](#)
- Error** Element `li` not allowed as child of element `body` in this context. (Suppressing further errors from this subtree.)
From line 38, column 1; to line 38, column 4
`rive.</p><li>How lo`

Within my FAQ page, the validator was picking up that I hadn't closed off the `<UL>` tag before opening the `<P>`. Once this had been corrected, there were no further errors.

Contact

- Error** The `frameborder` attribute on the `iframe` element is obsolete. [Use CSS instead.](#)
From line 34, column 1; to line 34, column 319
`<a></p><iframe width="560" height="315" src="https://www.youtube.com/embed/USgEpu66C-k?si=COB-h5tV638tIXq9"pe; picture-in-picture; web-share"referrerpolicy="strict-origin-when-cross-origin" allowfullscreen></ifra`

Within the contact page, there were no errors with the HTML however the CSS will need to be amended to remove this code.



CSS

W3C CSS Validator results for Styles.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#) !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here icon to your Web page:



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
    </a>
  </p>
```



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
    </a>
  </p>
```

[2]

When the CSS validator was run, it had shown that my styles sheet had no error messages that needed to be corrected.

Evaluation

Website Usability

The websites needs to have a range of features in order for the user to be able to get from page to page.

Navigation

The navigation is a crucial part of the websites functionality. This includes a title of the website along with a fully functional link to every page which is on the website.

Readability

All of the text that is on the website is a size that all users would be able to read while retaining a good level of contrast between the background and the text. You can also differentiate what is body text and what is a main heading or sub heading.

Design

The design throughout the website is consistent with the same text colours, size and font which makes it a lot easier to read the content.

Links

Throughout the website there are a range of links to different pages and also links to external sites. All of the links work and respond quickly when clicked.

Accessibility

The website needed to be accessible to all users. In order to meet all of the requirements, I followed Web Content Accessibility Guidelines which gives individuals with visual, auditory,

physical, speech and cognitive disabilities the equal opportunity to use the web. [4] There are 4 principles that need to be followed as part of WCAG which are as follows:

Perceivable:

Alternative Text – All media that is on my website has alternative text so that all users of the website can see what is being shown.

Media Accessibility - I ensured that all multi-media on the site also had captions available for users of the site who have audio impairments.

Colour Contrast and Text Size - One of the main things that I needed to avoid is the colours being the same so that it is hard to read. The text needed to be high contrast from the background so that it is easy to read for visually impaired individuals. The text also needed to be large so that individuals who are visually impaired are able to read all text.

Using contrast checker, the colours I have on my website for both the body and the header are fully compliant.



[3]



Operable:

Website Navigation – The website needs to be able to be controlled via other ways other than the mouse. For example, can the website be used with just the keyboard. In this case, the website can be fully functional with just the keyboard.

Clear Navigation – The navigation is easy to use and is not in a position where it would be hard to find for someone who is visually impaired.

Seizures – There are no flashing animations or videos on the website which could trigger a seizure.

Understandable:

Consistent design – The design throughout the website is consistent with the header and footer always being the same throughout the entirety of the website which will assist visually impaired individuals.

Structure – The structure of the website needs to be clean so that it is easy to read. In order to do this, I have split large pieces of text up into many smaller paragraphs and added sub headings to make the content easier to follow.

Robust:

[5] The website will need to be accessed by a range of users who will all need to be accessing the website via different search engines. I had tested my website to ensure that it will open and function as normal on a range of different search engines such as edge, chrome, firefox and safari.

In order for me to make the website more compliant, I would make the text larger. Although the text size is compliant, it would make the text a lot easier to read.

Search Engine Optimisation

[6] Search Engine Optimisation is essential to bring the website to the top of the 1st page on search engines such as google or bing. In order to have a good level of SEO on the site, key words need to be used as well as alternative text needs to be set as the key words. This will mean that the website will be seen by search engines that it is relevant to a certain topic and it will boost it to the top of a search. [7] The more popular the website becomes, the higher the ranking on these search engines will also be.

If I was to improve the search engine optimisation on the website, I would add more hyperlinks which would boost the ranking as currently the website only features one hyperlink to an external website.

References

[1]

"The W3C Markup Validation Service." Accessed: Jan. 09, 2025. [Online]. Available: <https://validator.w3.org/>

[2]

"The W3C CSS Validation Service." Accessed: Jan. 09, 2025. [Online]. Available: <https://jigsaw.w3.org/css-validator/>

[3]

P. Hartana, "WCAG." Accessed: Jan. 09, 2025. [Online]. Available: <https://contrastchecker.com/>

[4]

W. W. A. Initiative (WAI), "WCAG 2 Overview." Accessed: Jan. 09, 2025. [Online]. Available: <https://www.w3.org/WAI/standards-guidelines/wcag/>

[5]

"Home." Accessed: Jan. 09, 2025. [Online]. Available: <https://www.wcag.com/>

[6]

"What Is SEO? Search Engine Optimization Best Practices." Accessed: Jan. 09, 2025. [Online]. Available: <https://moz.com/learn/seo/what-is-seo>

[7]

N. Timbrell, C. Jennings, and A. Bullock, "SEO." Oxford University Press, 2019.

Appendices

Home

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="Styles.css">
<title>Beekeeping In Wales</title>
</head>
<body>
<header style="background-color: #2c3e50; color: white; padding: 40px 0; text-align:
center;">
<div style="width: 80%; margin: 0 auto;">
<h1 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Beekeeping In Wales</h1>
<nav>
<ul class="nav-menu">
<li><a href="home.html">Home</a></li>
<li><a href="About.html">About</a></li>
<li><a href="Products.html">Products</a></li>
<li><a href="Awards.html">Awards</a></li>
<li><a href="FAQ.html">FAQ's</a></li>
```

```

<li><a href="Contact.html">Contact</a></li>
</ul>
</nav>
</div>
</header>
<main style="text-align: center;">
<p>Welcome To My Website About My Hobby: Beekeeping In Wales</p>
<ul>
<li>Over 100 Hives</li>
<li>Bees Situated Throughout Wales</li>
<li>Welsh Honey Sold To Shops Across The UK</li>
</ul>

<iframe width="560" height="315"
src="https://www.youtube.com/embed/yZJ3BM7L8i4?si=LU0V52UW-S5MqtKp"
title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-
write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerpolicy="strict-
origin-when-cross-origin" allowfullscreen></iframe>
<h2 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Award Winning Welsh Honey</h2>
<p> I'm Dafydd Pett, the founder and owner of The Welsh Honey Company. My journey into
beekeeping began with a deep passion for both the environment and the vital role that bees
play in our ecosystems. I wanted to create a company that not only produced high-quality
honey but also supported sustainability and the preservation of Wales' beautiful landscapes
and unique biodiversity.

At The Welsh Honey Company, we focus on ethical practices, sourcing our honey from hives
across Wales to ensure each batch captures the distinct flavors of the region. I'm committed
to promoting the importance of beekeeping, not just for honey production, but for the health
of our environment as a whole.

Through my work, I aim to provide premium, locally sourced honey while advocating for the
protection of bees and their essential role in our world. It's been incredibly rewarding to build
a business that aligns with my values of sustainability, quality, and environmental
responsibility.</p>


```

</main>

<footer>

<p>© 2024 Dafydd Pett: Beekeeping In Wales </p>

</footer>

</body>

</html>

About

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="Styles.css">

<title>Beekeeping In Wales</title>

</head>

<body>

<header style="background-color: #2c3e50; color: white; padding: 40px 0; text-align: center;">

<div style="width: 80%; margin: 0 auto;">

<h1 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform: uppercase;">Beekeeping In Wales</h1>

<nav>

<ul class="nav-menu">

Home

About

Products

Awards

FAQ's

Contact


```

</nav>
</div>
</header>
<main style="text-align: center;">
<h2 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">About My Journey</h2>

<p>Beekeeping first started in my family back in 1969 when my grandfather started
beekeeping in his back garden with one or two hives as a hobby. My grandfather grew his
hive numbers over the years and in 2014 I was invited to visit the hives along with my local
primary school. This is where my experience with bees started. </p>
<p> I was invited to start beekeeping with my grandfather every sunday morning where we
would visit the local association and then visit the apiaries straight after. At 11 years old, I
was given my first hive.
In early 2017 my grandfather was diagnosed with cancer and suddenly passed away. At the
time I had just turned 15 and with nobody else in the family that kept bees, I inherited all 30
hives. My dad was roped into starting beekeeping despite being petrified of bees.</p>
<p>This is where The Welsh Honey Company started.

In 2025 we are still a family business with the same passion for our bees, Welsh honey and
our amazing customers who make The Welsh Honey Company so special.</p>

<p> Within the family business, we all carry out tasks to ensure we deliver a quality product.
Below you can see my younger brother helping out with the beekeeping operation. </p>

<h3>My Family Legacy </h3>
<Table Border="1">
<thead>
<tr>
<th>1969</th>
<th>The journey starts in 1969 when my grandfather, Mike Pett bought his first hive which
was kept in his back garden.</th>
<tbody>
<tr>
<td>1977</td>

```

<td>Over the 8 years of beekeeping, hive numbers grew. My grandfather now had enough honey to give away to friends and family</td>

</tr>

<tr><td>1998</td>

<td>My grandfather finally retired in 1998 and this is where hive numbers started to rapidly increase. There was now enough Welsh honey to start supplying shops across South Wales</td></tr>

<tr><td>2014</td>

<td>In 2014 I went to visit my grandfather along with my primary school. This was my first experience up close with the bees despite seeing them in the garden for years. I was given my first hive and I was paid a whopping £60 a year for helping out.</td></tr>

<th>2017</th>

<th>My grandfather suddenly passed away in 2017 leaving me with all of his hives as nobody else in the family kept bees. I went from 3 to 35 hives overnight. My dad was roped into helping me even though he was petrified of bees.</th>

<tr><th>2025</th>

<th>Since 2017 we have grown a reputation for supplying premium Welsh honey and caring for the environment. We now have our honey stocked in farm shops, deli's and butchers across the UK. We have also won Great Taste Award's on both Softset & Runny Honey

Our full story is yet to be completed.</th></tr>

</table>

</main>

<footer>

<p>© 2024 Dafydd Pett: Beekeeping In Wales </p>

</footer>

</body>

</html>

Products

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

```

<link rel="stylesheet" href="Styles.css">
<title>Beekeeping In Wales</title>
</head>
<body>
<header style="background-color: #2c3e50; color: white; padding: 40px 0; text-align:
center;">
<div style="width: 80%; margin: 0 auto;">
<h1 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Beekeeping In Wales</h1>
<nav>
<ul class="nav-menu">
<li><a href="Home.html">Home</a></li>
<li><a href="About.html">About</a></li>
<li><a href="Products.html">Products</a></li>
<li><a href="Awards.html">Awards</a></li>
<li><a href="FAQ.html">FAQ's</a></li>
<li><a href="Contact.html">Contact</a></li>
</ul>
</nav>
</div>
</header>
<main style="text-align: center;">
<h2 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Products</h2>
<p>From my hobby, I am able to sell the excess honey that the bees produce to independent
retailers across the UK as well as direct to the consumer. I offer a range of different honeys
which are all made in different ways and taste different despite it being the same raw
product.</p>
<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Welsh Runny Honey</h3>

<p>Welsh Runny Honey is honey in it's most raw form. Our runny honey has nothing added
and nothing taken away except from any pieces of wax which may have ended up in the
honey from the extraction process. All of our honey is extracted using traditional methods
and no excessive heat is applied retaining all health benefits.</p>

```

```
<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform: uppercase;">Welsh Soft Set Honey</h3>
```

```

```

```
<p>Our Soft Set Honey is made by spinning already crystalized honey which makes the honey smooth but thick with the aim of it being easier to spread and eat on the spoon. </p>
```

```
<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform: uppercase;">Welsh Whisky With Welsh Single Malt Whisky</h3>
```

```

```

```
<p>Our Welsh Whisky With Single Malt Whisky is our Runny Honey infused with a Welsh Single Malt Madeira Whisky which is perfect for desserts, coffee or simply by eating with a spoon.</p>
```

```

```

```
</main>
```

```
<footer>
```

```
<p>&copy; 2024 Dafydd Pett: Beekeeping In Wales </p>
```

```
</footer>
```

```
</body>
```

```
</html>
```

Awards

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<link rel="stylesheet" href="Styles.css">
```

```
<title>Beekeeping In Wales</title>
```

```
</head>
```

```
<body>
```

```
<header style="background-color: #2c3e50; color: white; padding: 40px 0; text-align: center;">
```

```

<div style="width: 80%; margin: 0 auto;">

<h1 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Beekeeping In Wales</h1>

<nav>

<ul class="nav-menu">

<li><a href="Home.html">Home</a></li>

<li><a href="About.html">About</a></li>

<li><a href="Products.html">Products</a></li>

<li><a href="Awards.html">Awards</a></li>

<li><a href="FAQ.html">FAQ's</a></li>

<li><a href="Contact.html">Contact</a></li>

</ul>

</nav>

</div>

</header>

<main style="text-align: center;">

<h2 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Awards</h2>

<p>Over the years of running the company, I have won awards on both the honey but also
on the impact my company has had on the industry. </p>

<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Welsh Honey Enterprise Of The Year 2024</h3>



<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Great Taste Awards 2024</h3>



<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Welsh Honey Enterprise Of The Year 2023</h3>



<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform: uppercase;">Most
Delicious & Natural Welsh Honey Company 2022</h3>



```

```
<h3 style="font-size: 1.5em; margin: 0; letter-spacing: 2px; text-transform: uppercase;">Great Taste Awards 2021</h3>
```

```

```

```
<P></P>
```

```
</main>
```

```
<footer>
```

```
<p>&copy; 2024 Dafydd Pett: Beekeeping In Wales </p>
```

```
</footer>
```

```
</body>
```

```
</html>
```

FAQ's

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<link rel="stylesheet" href="Styles.css">
```

```
<title>Beekeeping In Wales</title>
```

```
</head>
```

```
<body>
```

```
<header style="background-color: #2c3e50; color: white; padding: 40px 0; text-align: center;">
```

```
<div style="width: 80%; margin: 0 auto;">
```

```
<h1 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform: uppercase;">Beekeeping In Wales</h1>
```

```
<nav>
```

```
<ul class="nav-menu">
```

```
<li><a href="Home.html">Home</a></li>
```

```
<li><a href="About.html">About</a></li>
```

Products

Awards

FAQ's

Contact

</nav>

</div>

</header>

<h2 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform: uppercase;">Frequently Asked Questions</h2>

What is raw honey

<p>Raw honey is honey that has not been pasturised or filtered</p>

Why is my honey crystallizing?

<p>Crystallization is a natural process that occurs in raw honey due to its high sugar content</p>

How should I store my honey?

<p>Honey should be stored in a cool, dry place, away from direct sunlight.</p>

How can I support beekeeping and honey production?

<p> You can support our efforts by purchasing our honey and other products, sharing information about the importance of bees with others, and even considering starting your own bee-friendly garden to help local pollinators thrive.</p>

How long does honey last?

<p>Honey is known for its long shelf life and can last indefinitely when stored properly. Honey usually has a best before of 3 years</p>

```

</ul>
<li>Do you offer any honey-related products?</li>
</ul>

<p>Yes, in addition to pure honey, we offer products such as beeswax candles, honeycomb,
propolis, and beeswax-based skincare items</p>

<ul>
<li>Are your products safe for people with allergies?</li>
</ul>

<p>While honey is typically safe for most people, it may contain trace amounts of pollen,
which could trigger allergies in sensitive individuals.</p>

<main style="text-align: center;">
</main>

<footer>
  <p>&copy; 2024 Dafydd Pett: Beekeeping In Wales </p>
</footer>
</body>
</html>

```

Contact

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="Styles.css">
<title>Beekeeping In Wales</title>
</head>
<body>
<header style="background-color: #2c3e50; color: white; padding: 40px 0; text-align:
center;">
<div style="width: 80%; margin: 0 auto;">

```

```

<h1 style="font-size: 2.5em; margin: 0; letter-spacing: 2px; text-transform:
uppercase;">Beekeeping In Wales</h1>

<nav>

<ul class="nav-menu">

<li><a href="Home.html">Home</a></li>

<li><a href="About.html">About</a></li>

<li><a href="Products.html">Products</a></li>

<li><a href="Awards.html">Awards</a></li>

<li><a href="FAQ.html">FAQ's</a></li>

<li><a href="Contact.html">Contact</a></li>

</ul>

</nav>

</div>

</header>

<main style="text-align: center;">

<p>Welcome To My Website About My Hobby: Beekeeping In Wales</p>

<ul>

<li>Phone: 01656 643643</li>

<li>Email: Honey@welshhoney.com</li>

<li>Address: Bridgend, South Wales</li>

</ul>

<p>Interested in starting Beekeeping? <a href="https://bridgendbeekeepers.co.uk">Click
Here!</a></p>

<iframe width="560" height="315" src="https://www.youtube.com/embed/USgEpw66C-
k?si=COB-h5tVk38tIXq9" title="YouTube video player" frameborder="0"
allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-
picture; web-share" referrerpolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>

</main>

<footer>

<p>&copy; 2024 Dafydd Pett: Beekeeping In Wales </p>

</footer>

</body>

```

```
</html>
```

CSS

```
body {  
  font-family: Arial, sans-serif;  
  background-color: #d0d0d0;  
  color: #333;  
  margin: 0;  
  padding: 0;  
}
```

```
header {  
  background-color: #333;  
  padding: 20px 0;  
}
```

```
header .container {  
  width: 90%;  
  margin: 0 auto;  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  align-items: center;  
  text-align: center;  
}
```

```
header h1 {  
  color: white;  
  font-size: 2rem;  
  margin-bottom: 10px;
```

```
}
```

```
nav {  
  width: 100%;  
}
```

```
nav ul {  
  list-style-type: none;  
  padding: 0;  
  margin: 0;  
  display: inline-flex;  
}
```

```
nav ul li {  
  margin: 0 15px;  
}
```

```
nav ul li a {  
  color: white;  
  text-decoration: none;  
  font-size: 1rem;  
}
```

```
nav ul li a:hover {  
  text-decoration: underline;  
}
```

```
main {  
  padding: 20px;  
  text-align: center;  
}
```

```
footer {  
  background-color: #333;  
  color: white;  
  text-align: center;  
  padding: 10px;  
  position: fixed;  
  bottom: 0;  
  width: 100%;  
}
```

Assignment 2 - Report

GRADEMARK REPORT

FINAL GRADE

82 / 100

GENERAL COMMENTS

submission shows a good understanding of web development principles, delivering a well-structured and appealing website focused on "Beekeeping in Wales." The website effectively meets most assignment requirements, including six distinct pages, proper use of HTML and CSS, and a clear focus on accessibility and SEO. The report is comprehensive, organized, and supported by screenshots, validation results, and references. However, some tasks are either missing or could be improved

PAGE 1

PAGE 2

PAGE 3



Comment 1 | Transferable Skills

Nice introduction

- The report is well-structured, with clear headings, labeled screenshots, and detailed appendices showing code and validation results.
- Writing is with minimal grammatical issues.
-
- **Improvement Suggestions:**

Proofread the report to address minor formatting inconsistencies and improve flow.

PAGE 4

PAGE 5

PAGE 6

PAGE 7



Comment 2 | Practical Application Skills

-

The website includes six pages (Home, About, Products, Awards, FAQ, and Contact), each with a clear purpose and visually engaging content.

Effective use of multimedia, such as images and embedded videos, improves user engagement. Navigation is intuitive, and consistent styling across pages enhances usability.

-

Improvement Suggestions:

Incorporate interactive features, such as a contact form, to further engage users.

Use structured data to improve SEO and increase search engine visibility.

-

Missing Tasks:

There is no evidence of cross-browser testing results or compatibility checks for mobile devices.

Advanced SEO techniques, such as keyword-focused meta descriptions and internal linking strategies, are underutilized.



Comment 3 | Cognitive and Intellectual

-

Validation results for HTML and CSS were detailed, with issues identified and resolved effectively.

The evaluation provides a good discussion of usability, accessibility, and SEO, supported by appropriate tools such as contrast checkers and keyboard navigation testing.

- **Improvement Suggestions:**

Document unresolved issues, if any, and justify their presence.

Provide specific examples of browser testing results to enhance the evaluation.



Comment 4 | Knowledge and Understanding

-

shows understanding of web standards, with clear explanations of WCAG 2.1 compliance, navigation design, and responsive styling.

The report effectively describes the use of high-contrast colors, consistent layouts, and multimedia.

- **Improvement Suggestions:**

Expand on the challenges encountered during implementation and how they were resolved, particularly when adhering to standards.

Include more details on the responsive design testing process for various devices.

PAGE 15



Comment 5 | Engagement with Literature

-

Relevant sources were cited to support discussions on accessibility (WCAG), SEO, and usability. Proper IEEE referencing format was followed, and the report demonstrates an understanding of academic integrity.

- **Improvement Suggestions:**

Include more peer-reviewed articles or up-to-date academic sources for deeper analysis, especially on SEO and accessibility.

Critically evaluate how literature informed specific design choices, rather than summarizing guidelines.

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DAFYDD PETT

82

ENGAGEMENT WITH LITERATURE

Your research of website usability, accessibility, and search engine optimisation under the evaluation section. The use of appropriate reference sources to support your work. The correct use of the appropriate citation/referencing convention



16

KNOWLEDGE AND UNDERSTANDING

understanding of Web standards as demonstrated by the outcome.



12

COGNITIVE AND INTELLECTUAL

interpretation of your validation and web accessibility testing overall evaluation of implemented website.



13

PRACTICAL APPLICATION SKILLS

creativity, responsiveness HTML/CSS coding quality Usability & website functionality, content



33

TRANSFERABLE SKILLS

Written quality, including spelling and grammar and the use of appropriate formal language. Structure and presentation of the report. Inclusion of all the requested material – (listings in the appendices)



8