

ACCA4018- Coursework 1

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ACCA4018-Internet Technology and Security

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Introduction

Within this report it will provide information on the website I created for Cardiff City FC the contents will include screen shots off the web page along with how I implemented the website along with an evaluation on the website.

Requirements

The website I decided to create was a fan page for Cardiff City FC. My influence to design this website was for my interest in football and also of Cardiff. The purpose of the website is to provide vital and valuable information for Cardiff city fans or for people wanting to get to know more about the club. I have included 5 different web pages within the website these are a home page that contains a video and a google map location of where the club is situated. The next page provides a bit of history on the club along with some photos that engage the audience. The next page provides a fixture list for the clubs current season which shows the audience the team they will be facing along with the date it will take place and at what venue it will take place. The fourth page contains the current standings for the league table, In this page I used an I frame from BBC to include an interactive league standings that will update automatically. The target audience for this website is for football fans that support Cardiff City or for people that generally want information on the club. By visiting the website it will give people a clear understanding of the club.

Implementation





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About Us

Visit the official club website

Visit the official club website Cardiff City Football Club (Welsh: Clwb Pêl-droed Dinas Caerdydd) is a professional association football club based in Cardiff, Wales. It competes in the Championship, the second tier of the English football league system. Founded in 1899 as Riverside A.F.C., the club changed its name to Cardiff City in 1908 and entered the Southern Football League in 1910 before joining the English Football League in 1920. The team have spent 17 seasons in the top tier of English football since, the longest period being between 1921 and 1929. Their most recent season in the top flight was the 2018–19 Premier League season. Cardiff is the only team from outside England to have won the FA Cup, doing so in 1927. They have also reached three earlier cup finals in English competitions, the 1925 FA Cup Final against Sheffield United, the 2008 FA Cup Final against Portsmouth and the 2012 Football League Cup Final against Liverpool, suffering defeat on each occasion. They have won the Welsh Cup on 22 occasions, making them the second most successful team in the competition's history behind Wrexham. With the exception of a short period this century, the team have played in home colours of blue and white since 1908, which gives them the nickname "The Bluebirds". Cardiff's first permanent ground was Ninian Park opened in 1910; it remained in use for 99 years until the club moved into the Cardiff City Stadium in 2009. Cardiff have long-standing rivalries with nearby clubs Swansea City, known as the South Wales derby and Bristol City, known as the Severnside derby. The club's record appearance holder is Billy Hardy, who made 590 appearances in a 20-year playing spell with Cardiff, and their record goalscorer is Len Davies with 179 goals.



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Our Fixtures

Visit the official club website

Visit the official club website Sat 3rd Aug Wigan Athletic A Sat 10th Aug Luton Town H Sat 17th Aug Reading A Wed 21st Aug Huddersfield Town H Sat 24th Aug Blackburn Rovers A Sat 31st Aug Fulham H Sat 14th Sept Derby County A Sat 21st Sept Middlesbrough H Sat 28th Sept Hull City A Wed 2nd Oct QPR H Sat 5th Oct WBA A Sat 18th Oct Cardiff City Turf 2nd Oct Millwall A Sat 26th Oct Swansea City A Sat 2nd Nov Birmingham City H Sat 9th Nov Bristol City H Sat 23rd Nov Charlton Athletic A Sat 30th Nov Stoke City H Sat 30th Nov Nottingham Forest A Sat 7th Dec Barnsley H Wed 11th Dec Brentford A Sat 14th Dec Leeds United A Sat 21st Dec Preston North End H Thu 28th Dec Millwall H Sun 29th Dec Sheffield Wednesday A Wed 1st Jan QPR A Sat 11th Jan Swansea City H Sat 18th Jan Birmingham City A Sat 25th Jan WBA H Sat 1st Feb Walsling H Sat 8th Feb Luton Town A Wed 12th Feb Huddersfield Town A Sat 15th Feb Wigan Athletic H Sat 22nd Feb Stoke City A Tue 25th Feb Nottingham Forest H Sat 29th Feb Brentford H Sat 7th Mar Barnsley A Sat 14th Mar Leeds United H Tue 11th Mar Preston North End A Sat 21st Mar Charlton Athletic A Sat 4th Apr Bristol City A Fri 10th Apr Blackburn Rovers H Mon 13th Apr Fulham A Sat 18th Apr Derby County H Sat 25th Apr Middlesbrough A Sat 2nd May Hull City H

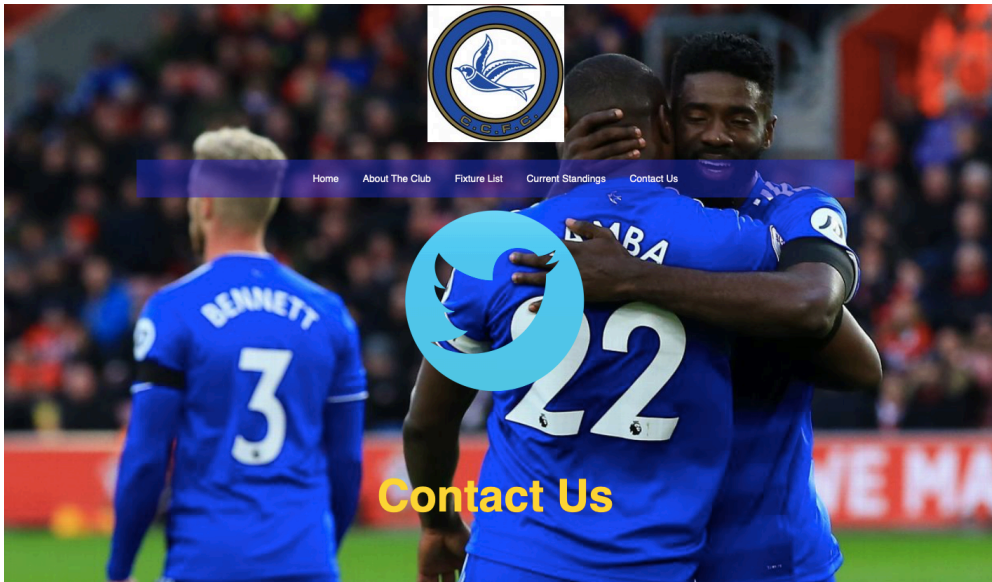


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Current Standings

Visit the official club website

	Team	P	W	D	L	GD	Pts
1	Leeds	26	15	7	4	22	52
2	West Brom	26	14	10	2	20	52
3	Brentford	26	13	4	9	21	43
4	Nottm Forest	25	12	7	6	9	43
5	Fulham	26	12	6	8	10	42
6	Swansea	26	11	8	7	2	41
7	Millwall	26	10	10	6	2	40
8	Sheff Wed	26	11	6	9	11	39



Validation

THE VALIDATION FOR HTML AND CSS CAN BE SEEN BELOW.

1.	Error Bad value /Users/lewiswells2/Desktop/Website 2/index.html for attribute href on element a: Illegal character in path segment: space is not allowed. From line 21, column 13; to line 21, column 70 <code> Home</code>
2.	Error Bad value /Users/lewiswells2/Desktop/Website 2/aboutus.html for attribute href on element a: Illegal character in path segment: space is not allowed. From line 22, column 13; to line 22, column 72 <code> About</code>
3.	Error Bad value /Users/lewiswells2/Desktop/Website 2/fixturelist.html for attribute href on element a: Illegal character in path segment: space is not allowed. From line 23, column 13; to line 23, column 76 <code> Fixture List</code>
4.	Error Bad value /Users/lewiswells2/Desktop/Website 2/currentstandings.html for attribute href on element a: Illegal character in path segment: space is not allowed. From line 24, column 13; to line 24, column 81 <code> Current Standings</code>
5.	Error Bad value /Users/lewiswells2/Desktop/Website 2/contactus.html for attribute href on element a: Illegal character in path segment: space is not allowed. From line 25, column 13; to line 25, column 74 <code> Contact Us</code>
6.	Error The frameborder attribute on the iframe element is obsolete. Use CSS instead. From line 41, column 13; to line 41, column 382 <code><iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d51.9218509881124-3.2126432652-9.6644015a2!1se2uk" width="400" height="300" frameborder="0" style="border:0;" allowfullscreen"></iframe></code>
7.	Error The frameborder attribute on the iframe element is obsolete. Use CSS instead. From line 42, column 13; to line 42, column 205 <code><iframe src="https://www.youtube.com/embed/V6V65pA8tYI" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen"></iframe></code>
8.	Warning Section lacks heading. Consider using h2-h6 elements to add identifying headings to all sections. From line 40, column 9; to line 40, column 28 <code><section class="h6"></section></code>

W3C CSS Validator results for style.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 is the XHTML you could use to add this icon to your Web page:

```
<img alt="W3C CSS logo" data-bbox="83 796 125 815" style="vertical-align: middle;"/>
<a href="http://jigsaw.w3.org/css-validator/check/referer" data-bbox="145 796 326 815" style="border: 1px solid black; padding: 2px; text-decoration: none; color: inherit;">
  W3C CSS
</a>
```

```
<img alt="W3C CSS logo" data-bbox="83 845 125 864" style="vertical-align: middle;"/>
<a href="http://jigsaw.w3.org/css-validator/check/referer" data-bbox="145 845 326 864" style="border: 1px solid black; padding: 2px; text-decoration: none; color: inherit;">
  W3C CSS
</a>
```

HTML

When validating my html document I did run into a few problems within my coding, the first problem that the validator picked up was " attribute href on element [a](#): Illegal character in path segment: space is not allowed: this problem persisted for 5 lines of coding where I was using sub links within the header section, the validator was picking up that there was a space between the a and the href in which it was but on the software that I have been using visual studio code a space is required between the a and the href in order for the link to work by closing them it would cause an error and the link would not work. After finding out this I decided to google the problem and to investigate whether other people had also faced this problem in which they had therefore I left the coding as it was because it was correct.

The next error i faced was "the frame-border attribute on the iframe element is obsolete. [Use CSS instead](#)". This error was instructing me to use CSS for this line of code instead of html, but I found it easier and more efficient to use it within my HTML document as it linked up with the iframe better and it was more organised and comfortable for me to keep it all on one page therefore I ignored the error as it worked correctly. This problem also persisted for another line of code where I used an iFrame and I approached the error in the same way.

The last thing that came up on the validation for the html was suggesting that a line of coding lacked a heading after carefully going through my code i found that this was intact the case and changed the heading accordingly to work correctly.

CSS

After validating my CSS program the validation results showed that there were no errors in the coding and it gave me a badge to use to confirm it had been validated correctly. I believe there were no errors found here as I organised my CSS page very neatly and was easy for me to navigate through it which is important in any coding.

Section 6

WEBSITE USABILITY

Website Usability- In order to research website usability I used the university's library to find an article Understanding of website usability: Specifying and measuring constructs and their relationships by Lee, Younghwa ; Kozar, Kenneth A.

It explains that website usability is how efficient and effective a website is used by a person, this can be from the way it looks to how it feels. The main goal for a successful usable website is to fit customers satisfactory needs. The article goes on to explain how a field study along with questionnaires assist to ensure website usefulness. It also explains how the impact of the web design cannot be fully understood without an evaluation of the usefulness of the site. A website with successful usability is known to also provide positive attitude toward online stores and will increase purchases therefore it is pivotal in web design and should be taken with high priority.

WEBSITE ACCESSIBILITY

Website accessibility- In order to research web accessibility I used the university's library to find the article Legal and Ethical Implications of Website Accessibility by Zsuzsanna Bacsá Palmer, Ralph Henry Palmer

The article explains how implementations must take place when considering the accessibility of a website and must take into consideration ethical and legal implementations when doing so. The article considers that there is a huge rise in online purchases from health purchases to shopping and implies that web designers typically ignore users with disabilities. It also says that the current laws when designing websites are not strong enough and need revisiting to consider people with disabilities. It suggests that web developers can improve this by using implementing things like voice reader that will read out words for the visually impaired and also improvements for deaf users.

On the website <https://www.w3.org/WAI/standards-guidelines/wcag/> i found an article that goes into web content accessibility guidelines and concerns web developers there are 3 different levels A, AA and AAA level A deals with the most basic while AAA deals with the most. The principles are perceivable, operable, and understandable. If you abide by these 3 practices your website will comply with the web content accessibility guidelines.

SEARCH ENGINE OPTIMISATION

search engine optimisation- In order to research search engine optimisation I used the university's library and found the article SEARCH ENGINE OPTIMISATION AND GOOGLE ANSWER BOX Miklosik, Andrej; Dano, Ferdinand. Communication Today; Trnava Vol. 7, Iss. 1,

The article goes into the ways in which your website can be optimised to appear higher on lists and appear more frequently to an audience. It explains how search engine marketing is used to increase the visibility of a website in search results generally including as much keywords as

possible. It explains how the recently introduced google answer box has changed search engine optimisation and how instead of directing the user to 3rd party website it will now use a google knowledge graph that knows more facts about the user and their trends.

b)

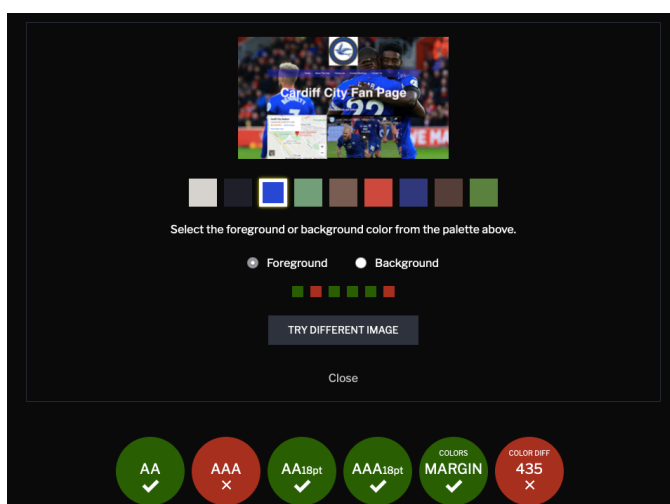
Below I will provide an evaluation on my website on the usefulness, search engine optimisation and also the accessibility I will indicate where I have implemented these and will also suggest improvements for the future when designing a website.

Usefulness- Looking at the usefulness of my website I believe I have done a good job with making it utility. The website is easily to navigate through by using the navigation menu at the top, in order to move from page to page you simply hover over the page icon and it will redirect you to the desired page I believe this makes my website successful in this area. The usability of my website could be improved though i feel I feel as if the background of my website was a bit too apparent and when designing a website next I would make the background more plain. I feel as though the strength of the usefulness in which I used was the ease of use within my website. The content I used could be improved and =next time I would look into adding more web pages with more information and links. In the future I would also look into adding more graphics into my web page preferably graphics that I have designed myself and overall make the website a lot more cleaner.

Search Engine Optimisation:

In order to use search engine optimisation in my website I used a number of meta tags within my coding of my website that would make the website more apparent. Firstly I used a meta tag to add the description of the website the coding can be seen below:<meta name="description" content="This is a football website all about cardiff city fc">This tag is beneficial as it uses a few key words that people use frequently when searching about football. I also found out that by using certain marketing words it would benefit my chance of people clicking on my website and also make me stand out from the crowd. I changed the website name to The Best Cardiff City Fc fan page. This technique I used was in order to gain more attention for users by using key words like the best.

Accessibility:



I used <http://contrastchecker.com/> to check if my website complied with the WCAG 2.1 I did comply with 4/6 laws but there were two that I didn't comply with these being AAA and also colour difference. Next time when creating a website I would work and comply with these laws in order to get the 6 ticks needed.

