For the first step in my project, I researched other bank registrations and visited a few so that I could gather information about registration and the nature of the information they gather from the customer before they create an account. Then from this I created another list where I put into sections what validation and format these sections should be in so that when I started to create them it would become easier for me to code:

Bank registration

User Details

	Format	Limitations
Title	Words	Drop down
First Name	Words	12
Middle Name	Words	12
Last Name	Words	12
DOB	DD / MM / YYYY	8
Address	Words & Numbers	46
Postcode	AA1 1AA	6
Telephone	01235 678911	11
Email	64@255	-
Nationality	Words	Drop down

Account

	Format	Limitations
Account Name	Words	36
Account Number	1234 1234 1234 1234	16
Holding Branch	words	25
Sort Code	00 – 00 - 00	6
Expire	00 / 00	4
CVVS	123	3
Password	Words but encrypted	20

Financial History

	Format	Limitations
Are you? Employed, Self-Employed, retired, home maker, unemployed or student?	Radio Buttons	-
Employer Name	words	36
Occupation	Words	26
Annual Income	Numbers	10

Login Page

	Format	Limitations
Customer Number	1234567891011123	15

Account Number	1234 1234 1234 1234	16
Passcode	Words but encrypted	20
Password	Words but encrypted	20

Then from this information, I created a design of what I want the online bank registration to look like and how I want the pages to communicate with each other:
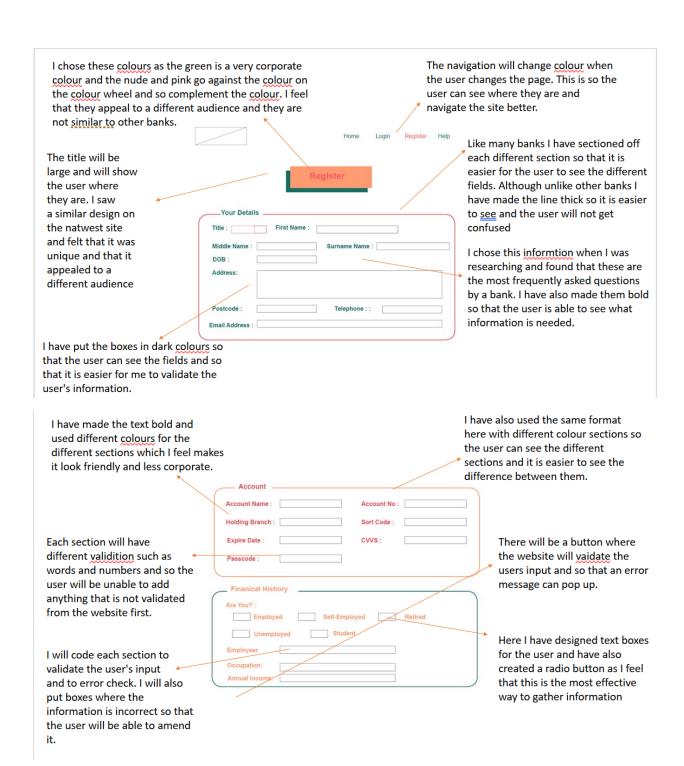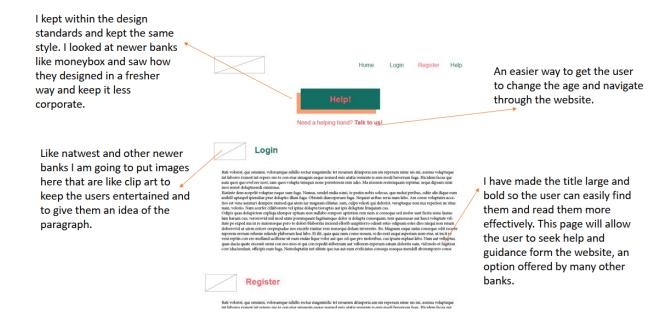
Design & Annotation

Home Page

For the home page I created a design-based on the Barclays plc website. I have used an image of a person on a hill as I feel this is inspirational and have used the colours red, green and pale pink as I feel noticed these are commonly used by long established traditional banks while also appealing to a young audience. I have made the navigation bar white as I noticed that almost all banks use a large and thick navigation bar which helps the user to navigate the website.

The words are Arial as this is the most efficient and easy to read typeface. I have used green which is a reference to money and is like Lloyds who also use the green as it is a traditional colour and suggests professionalism. I have highlighted the page they are on so it is easier for the user to navigate through the pages.

I've made the navigation white as it can then be seen easily and to aid accessibility. The navigation is large for people who may not be comfortable using the computer.

Bank Logo will be here. Looking at other banks they all have their logos on the left-hand side of the page as this is where the user's eyes are drawn first.

I have stylized the login section to appeal to a younger audience and make it more fun. This is also done by NatWest where they use it as their style guidelines.

I put an image as the main background as in my research I saw that Barclays had done this. I feel that this is inspirational and shows users what they can do with their money.

Faster way and keep the user on the page rather than going through each tab to find the login.

The typeface is bold as this is easier on the eye and will catch the user's attention. It also helps it stand out and allows the user to understand. I have seen this being used by all the banks and feel that it is effective.

Registration Page

I chose these colours as the green is a very corporate colour and the nude and pink go against the colour on the colour wheel and so complement the colour. I feel that they appeal to a different audience and they are not similar to other banks.

The navigation will change colour when the user changes the page. This is so the user can see where they are and navigate the site better.

The title will be large and will show the user where they are. I saw a similar design on the natwest site and felt that it was unique and that it appealed to a different audience

Like many banks I have sectioned off each different section so that it is easier for the user to see the different fields. Although unlike other banks I have made the line thick so it is easier to see and the user will not get confused

I chose this informtion when I was researching and found that these are the most frequently asked questions by a bank. I have also made them bold so that the user is able to see what information is needed.

Home   Login   Register   Help

Register

Your Details

Title :   First Name :
Middle Name :   Surname Name :
DOB :
Address:

Postcode :   Telephone : :
Email Address :

I have put the boxes in dark colours so that the user can see the fields and so that it is easier for me to validate the user's information.

I have made the text bold and used different colours for the different sections which I feel makes it look friendly and less corporate.

I have also used the same format here with different colour sections so the user can see the different sections and it is easier to see the difference between them.

Account

Account Name :   Account No :
Holding Branch :   Sort Code :
Expire Date :   CVVS :
Passcode :

Each section will have different validition such as words and numbers and so the user will be unable to add anything that is not validated from the website first.

There will be a button where the website will vaidate the users input and so that an error message can pop up.

Finanical Histiory

Are You? :
☐ Employed   ☐ Self-Employed   ☐ Retired
☐ Unemployed   ☐ Student
Employeer
Occupation:
Annual Income:

I will code each section to validate the user's input and to error check. I will also put boxes where the information is incorrect so that the user will be able to amend it.

Here I have designed text boxes for the user and have also created a radio button as I feel that this is the most effective way to gather information

Help Page

I kept within the design standards and kept the same style. I looked at newer banks like moneybox and saw how they designed in a fresher way and keep it less corporate.

An easier way to get the user to change the age and navigate through the website.

Home   Login   Register   Help

Help!

Need a helping hand? **Talk to us!**

Like natwest and other newer banks I am going to put images here that are like clip art to keep the users entertained and to give them an idea of the paragraph.

Login

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I have made the title large and bold so the user can easily find them and read them more effectively. This page will allow the user to seek help and guidance form the website, an option offered by many other banks.

Register

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Technical Discussion

I am now going to discuss why I used certain design features for the technical design and how this will help me during coding and cause an effect.

Text Boxes

I have chosen text boxes for the most of my inputs as I find that they are easier for the customer to use and during my research I found that most banks used a textbox field for the user to enter information.

I also have found that by using a text box it has made it easier to see what the customer is inputting into the field and be able to stop the user from entering charters/ numbers or special characters which will not be valid.

I believe that by making the background color change depending on whether the information entered is correct makes it more efficient for the user to ensure that all the information is correct before submitting. By using an if statement I will be able to create an event where if the statement is false then it would change the event based on the output. If the statement is true, then it will allow the user to carry on however if it is false then the user will have an error and so makes it more difficult.

I have used a on input event as It allows the user to know what they are doing wrong and able to change the input based on what they have entered and so making it a easier validation for them rather than having multiple pop ups which would cause annoyance and anger with the customer.

Labels

I am going to be using labels in order to tell the user whether the information is valid or not and give a suggestion on what to do I have chosen this method rather than a p tag as it is easier to manipulate and so I can design it so that it is underneath the textbox and so will not confuse the user.

I have also used labels to make the names of which textbox is relating to as this makes to easier for the user to connect each text box with the title. I used these titles as ID's within my code of which makes it easier when using that code later in my program.

I will also make the on input in an easy to read manner as then it will become easier to find later within the program and know which parts talk and connect with each other.

Reflections, Limitations & Improvements

Now that I have completed my website and program, I am going to create a test plan to test my program against the requirements. By testing my program, I was able to see what issues are within my program and how I could solve them:

Test Name	Expected Outcome	Actual Outcome	Solution
Customers can navigate around the website	The customer can navigate through the website and understands what section of the website they are on	I found the website very easy to navigate and understood what each web page was for	-
Customers can easily enter information into text fields	The customer understands and can put their information into the textboxes provided.	I found it easy to understand what each textbox was for with the labels provided.	-
Programme has understandable error reporting and guidance	When the information is incorrect then the program will report an error and make it known to the user.	Programme makes the textbox red if information is incorrect and comes up with a comment so I know what to change although I do find the messages confusing.	-
When customer enter correct format, the program will inform the user	When the information is correct the program will report it correct.	Programme makes the textbox green and gives a small message if correct and so I can easily see.	-

Overall, I feel that I did well in this assignment, and I enjoyed learning how to use javascript. I feel that I have completed the most of my assignment as I have ensured that the users input is validated and comes up with an error message if it is incorrect while also having a red background while if correct then it would come up green.

I feel that my assignment looks professional and could be passed off as an actual website. This is through my colour scheme, the words I used and the way that I have created the forms and the words that I have used.

Although, I feel that I could have found another way of coding all my assignment and making it more effective and smaller by linking up all the code to one or more sections of validation so that it isn't so busy. I also feel that I could have paid more attention to the error messages and making sure that they are easier to read for the user.