

GCSE ICT

Coursework

Website Publishing

Identify the Problem

Introduction

I am in a band and the band has asked me to build a website for them. At the moment, the only way we have of advertising ourselves for gigs etc is by handing out leaflets and asking people. This takes a very long time and also we don't get very many gigs because this way isn't very effective.

The website will have to be very straightforward and simple to use because there will be a variety of people viewing the website.

The website however can be very complicated to build because I will be the one building and I have experience with building websites.

Alternative solutions

The aim of the website would be to advertise our name and to try and get gigs by giving information about the band members and the type of music we play.

- I could hand out leaflets, but that would be very time consuming and would also cost a lot of money to print of all of the leaflets.
- I could put leaflets up in different shop windows and various places, but I would have to pay a lot of money to do that, and it would also take me a lot of time. I also don't think that it would be very effective.
- I could build a web site that would mean I could put a lot of information on the site including pictures and maybe sample music. The only problem about that would be I would have to pay for someone to host it and it could take me a long time to build it.

System Objectives

- The website must catch the eye, by being very colourful and having interesting pictures.
- The website must be able to ^{be} used by anyone so therefore it has to be quite simple.
- The website must be able to show galleries of some pictures of all the band members.
- The website must host downloads of samples of some of the bands music in a commonly used format.

Analysis

Hardware

To create a website with pictures and music on I will need to have either a scanner or a digital camera. I will also need to have speakers to listen to the music. If I want to upload it to the Internet the computer will also need a modem (or to be connected to the Internet). It would also be useful if the computer has a cd-rewriter because the website is likely to be quite a large file.

Software

I will need a very simple word processor such as notepad to write the base of the web page. Then I will need a web page building program such as front-page to add in things such as text and links and also to use a lot of complicated things such as *****. If I want to upload it the Internet, I will also need an FTP client such as cute FTP.

The data

<u>Different Pages</u>	Will it need to be updated?	Any more information?
Pictures from gigs	No	When we have more pictures, I will create a new gallery and link it
Sample sounds	Yes	I will need to update when we have new songs, I will also delete older songs
Band member information	Yes	This will have to be updated when we have new band members or when something changes (e.g. someone's job)
Future gigs	Yes, regularly	I will also delete old gigs
Lyrics	Yes	I will put all new songs lyrics on
Contact Information	No	Unless it changes, I won't have to update it

Backup/Security

I will not need any security e.g. passwords. I will need to backup the website quite regularly because it will take me a long time to build. It will also be a very big file so I will have to back it up to a CD. I will back it up to a re-writ

able CD so I won't have to use a new CD each time, I will do this every 4 days. As I will have it stored on my computer, as well, that will be backed up every 4 days to a second hard drive in case my computer crashes. The web site will also be stored on the host's computer.

Design

User Feedback

I handed the designs I did by hand to the other members in the band, the only thing that they said to me was to make it very colourful and have a colourful, eye-catching picture in the background. Then have the background of the text white so you can still see the text. They also said that for the home Page, Make the links a lot bigger and centre them. They also said that when you type in the address, have the band logo, then click on that to be taken to the home page.

Final Designs

There will be one intro web site where there will be our band logo, then it'll either re-direct you to the home page, or you can click on the band logo.

Home Page



Gallery

(band logo)

Gallery


These are pictures taken from blah blah
blah blah blah blah blah blah blah
Gallery 1: From this recent gig
Gallery 2: When we next played

Links
Home Page
Gallery
 Gallery1
 Gallery2
 Gallery3
Sound Clips
Gigs
About us
Lyrics
Contact Info

Gallery1

(band logo)

Gallery1



Links
Home Page
Gallery
 Gallery1
 Gallery2
 Gallery3
Sound Clips
Gigs
About us
Lyrics
Contact Info

Testing

I will test all of the hyperlinks by clicking on them and making sure they lead to the right place.

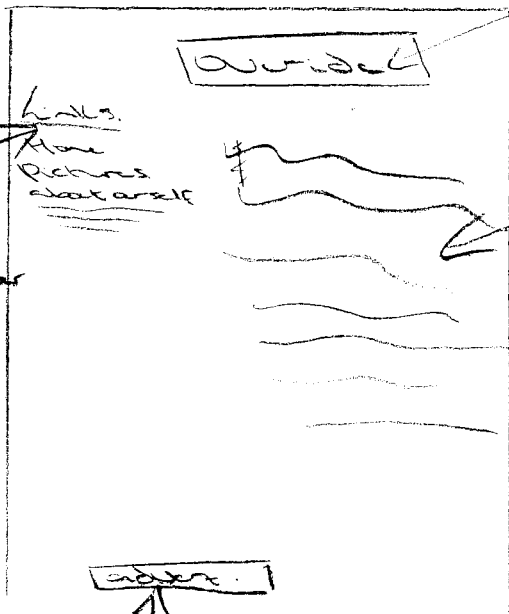
Because I will put a right click lock on the picture pages, I will test that.

I will test the forms to make sure they are sent to the right place.

Initial Design.

Main Page.

Main page layout



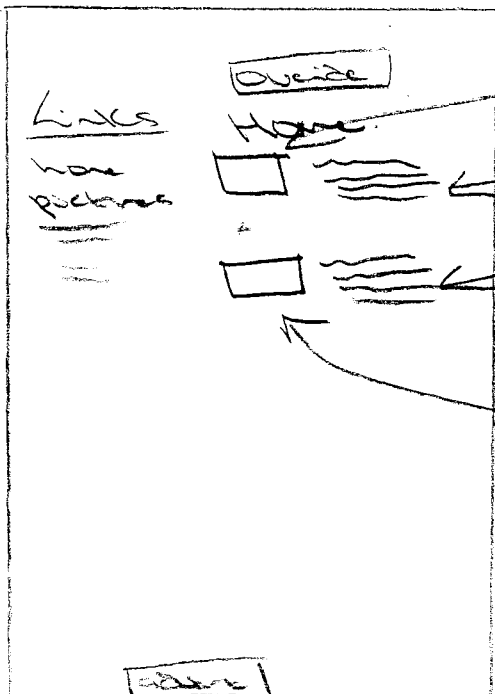
Logo

Main content

links to other parts of web site

advert which will stay at bottom of screen all the time

Home page.



picture of band member

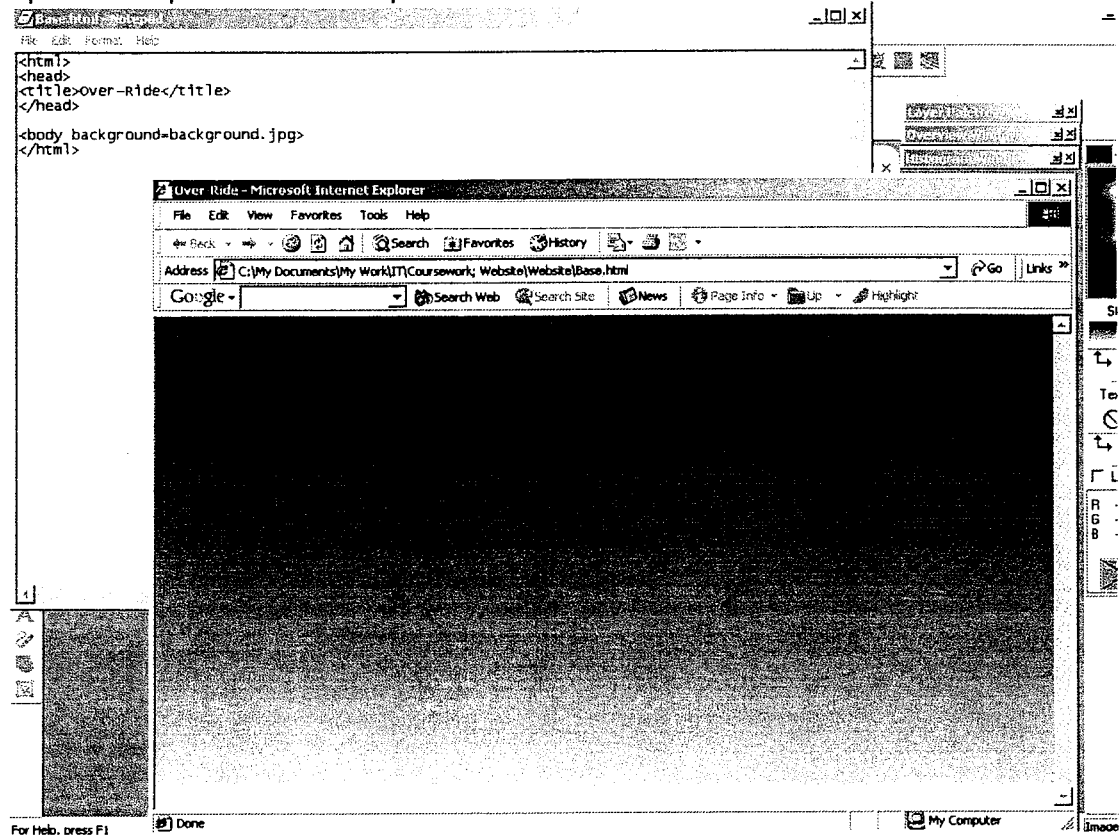
about band.

about band.

picture of band together

Implementation

I started building the web site by opening up notepad and writing the base for each page in the site. Each time I made a change, I saved the site and opened it up in Internet Explorer to check that it worked ok.

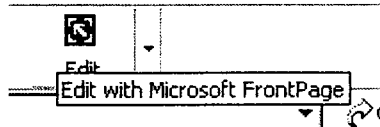


To make the background picture, I went into paint shop pro, and flood filled the background using a pattern.

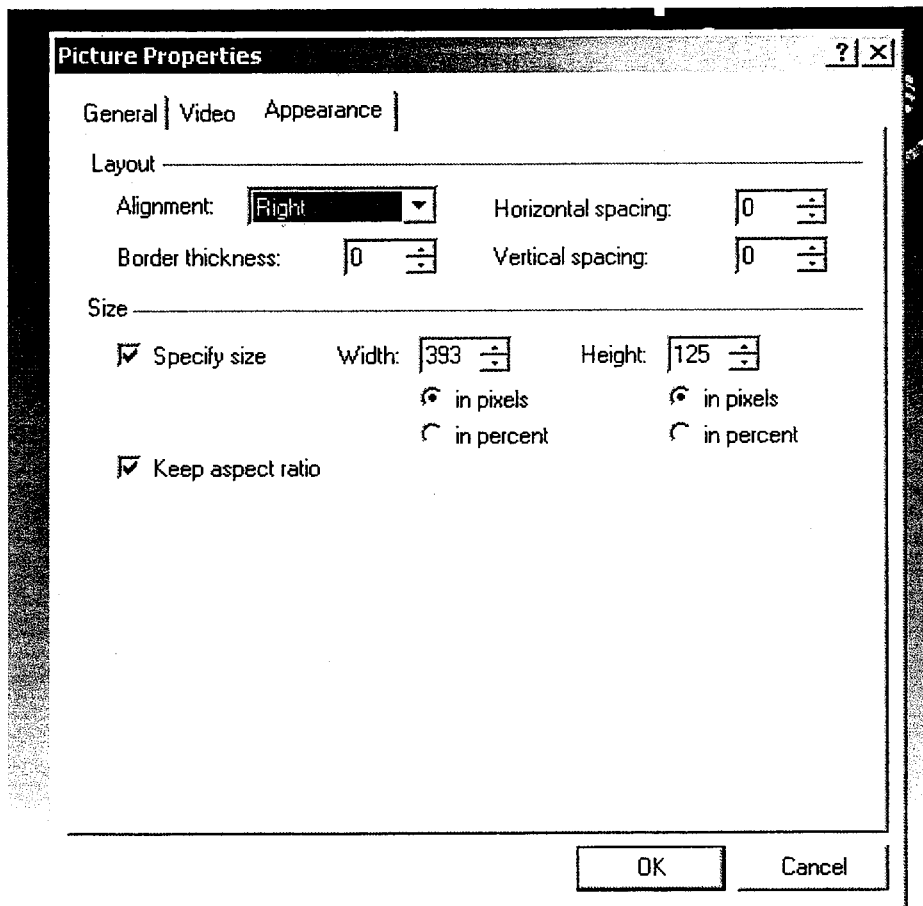
To make the Over-ride logo, I went into paint shop pro and wrote some text again using patterns.

Then I decided that it would be a lot quicker to do the rest through a html editor.

So in Internet Explorer I clicked on *edit*



Then I started to edit it all using a visual html editor, FrontPage Express. In FrontPage, I went to *insert, picture, from file* then I selected the picture right clicked, and centred the image. I also resized the picture to the right size. Then just below the picture I inserted a horizontal rule by going to *insert, horizontal line*.

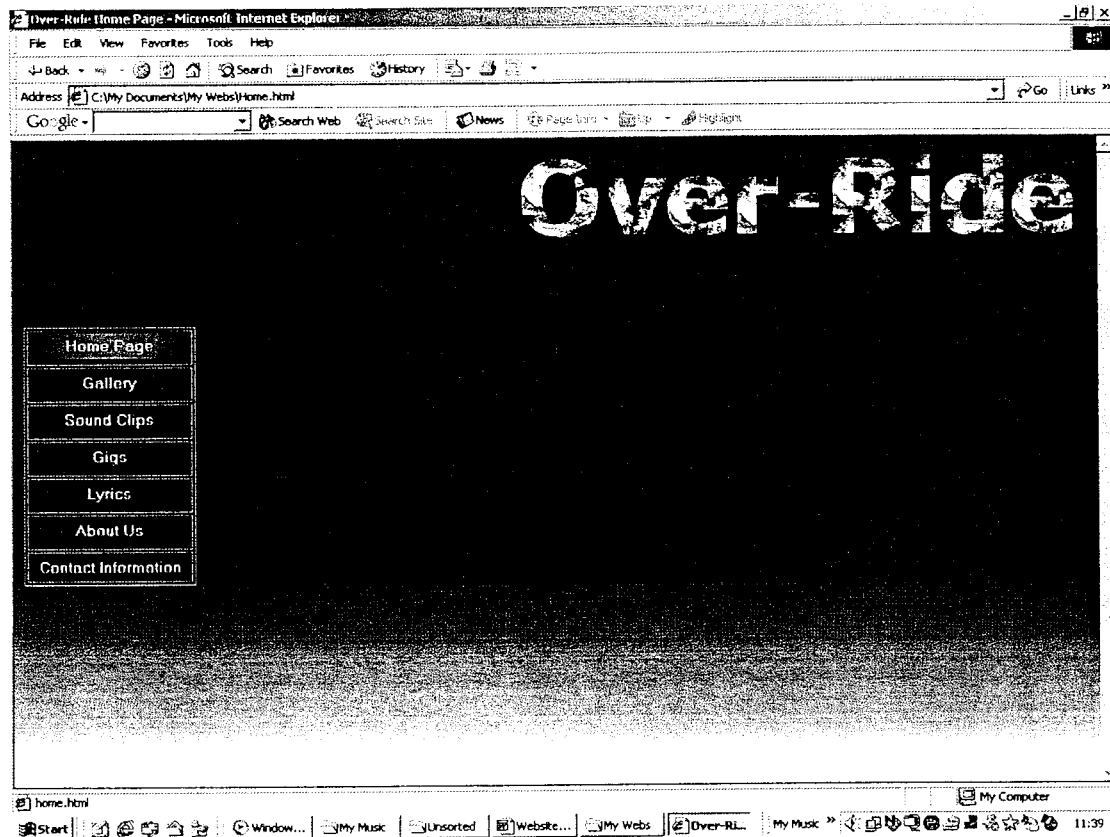


I also unchecked, *keep aspect ratio*.

To do the links on the side, I went to **table, insert, table** changed the number of rows to 7. I then changed the width of the table to 16 percent of the page.

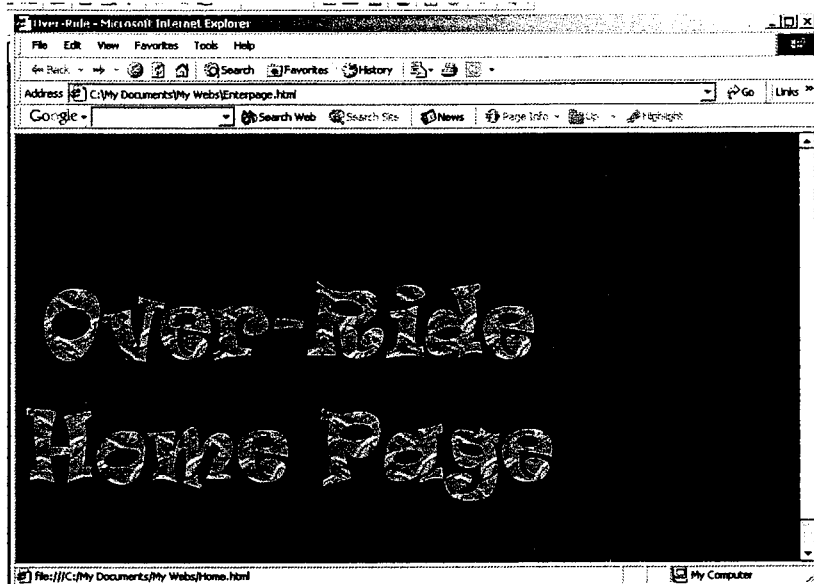
Then I inserted hover buttons, which when the mouse hovers over them, they do something like change colour. To do this, I firstly clicked where I wanted the button, (inside the table) and went to **insert, component, hover button**. I put the button text as **home page** and changed the button colour to black, background colour to white, and effect colour to green. Then I changed the effect to glow. I then copied this button and pasted it into the other rows in the table, and then I changed the button text to link to other places on my web site. Finally, I went to **format, page transition** went to page exit, selected blend and set the duration to two seconds.

This was all I needed to do to the base page. I went into folders, copied the base page and pasted it 7 times. Then I renamed each copy to create the other pages on my site. Then I tested the links to each of the pages by opening up the home page and then clicking on all of the links and making sure they didn't say any errors.

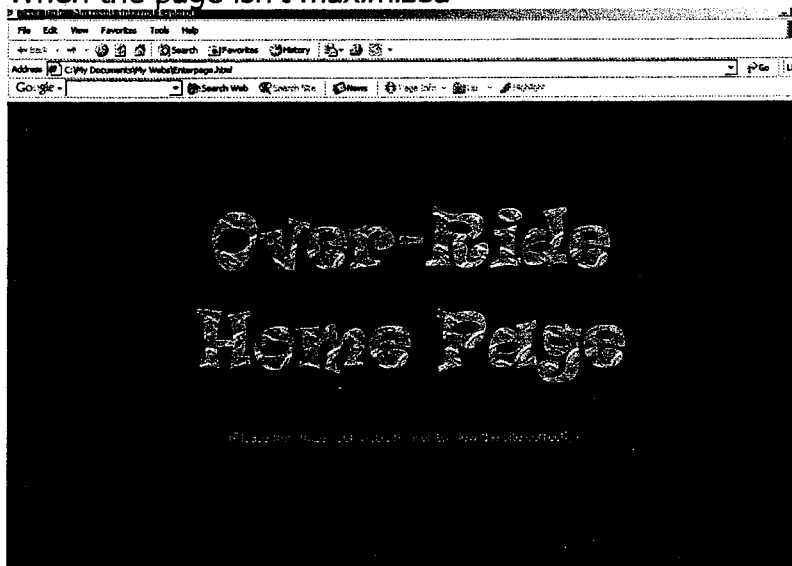


Then I started to make the entering page, which when you type in our address, you will be taken to this page, then you will click a link and will be taken to the home page.

Firstly I created a big text picture, which says Over-Ride Home Page in paint shop pro. Then in folder view in FrontPage, I created a new page and called it entering page. I set the background as black, went to **insert, picture, from file** and inserted the picture, which I made in paint shop pro. I clicked absolute positioning and centred it in the middle of the page, I set it as a link to the home page. Then I right clicked the page, went to page properties and set the title as Over-Ride. I saved the page and viewed it in Internet Explorer to make sure it looked ok. I found out that if you don't have web browser maximized, then the picture isn't centred, I also found this out to be the same on all the other pages. So underneath the band logo on the entering page, I wrote, "Please maximize your web browser to view the site correctly."



When the page isn't maximized



When it's maximized

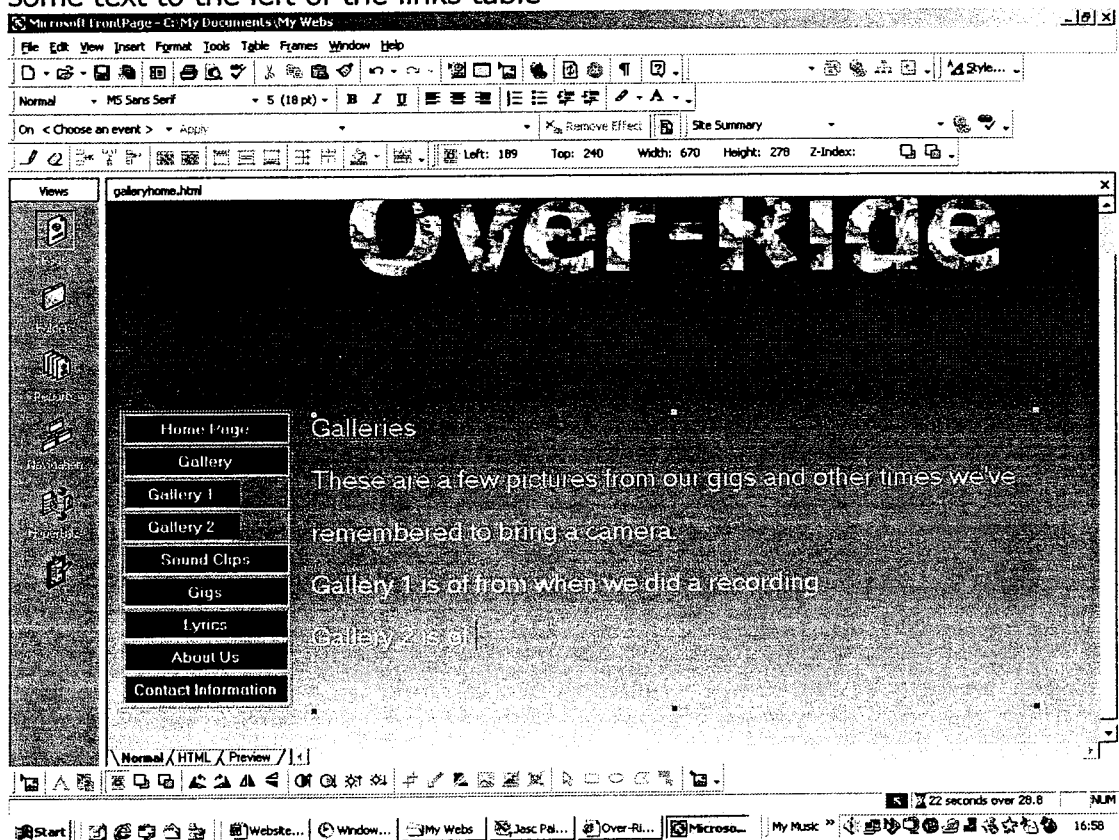
I decided that I needed to change this as in different resolutions, the picture is never in the right place. So I centred the picture instead by right clicking the picture and aligning it to the centre.

Then I started to change the Home Page and started to put information into that. Firstly I inserted the picture I wanted on the home page and moved it into the right position, I then inserted a word document by going to insert file, and then inserted the text document (which I had previously saved as a .txt file). I then arranged and formatted the text. Then I decided to insert a scrolling marquee, which would contain the latest news on the band. This would need to be updated every now and again, which wouldn't be too difficult. I did the by going to **insert, component, scrolling marquee**. I then set it to position absolutely and moved it into the right place, I then placed some formatted text next to it quite boldly saying "latest news." The last thing, which I inserted into the home page, was a search engine. This

would be something which users could type in a specific word and search the whole site for it. I went to **insert, component, search form**. In the properties, I changed the text above the search engine to "Search the site." Then I positioned it in the right place and resized it.

The next part of the web page I needed to make was the galleries. I started by making a backbone to the gallery pages, as the links bar on the left would have to be slightly different. I made two different folders, one called gallery1, and the other gallery2. I then put 12 pictures in each folder called pic01, pic02 etc. As I didn't have the actual pictures to go on the site yet, I used these instead.

Then I opened up galleryhome.html, inserted another two rows into the links table and inserted two new buttons, Gallery 1, and Gallery 2. Then I entered some text to the left of the links table



Then to create the two galleries, in each, I inserted the pictures that I wanted, and clicked **auto thumbnail**. This changed the pictures to the right size to fit on the page and also linked them to the pictures themselves. I then re-arranged them around the page. In HTML view, I inserted some JavaScript in between the head tags at the start of the page.

```
<html>
<head>
<SCRIPT language=JavaScript>
<!--
function click(e) {
  if (event.button == 2) alert("Page Copyrighted !!!")
}

document.onmousedown=click;

// -->
</SCRIPT>

<title>Over-Ride Home Page</title>
<meta http-equiv="Page-Exit" content="blendTrans(Duration=2.0)">
<meta name="Microsoft Border" content="none, default">
</head>
<body background=background.jpg>

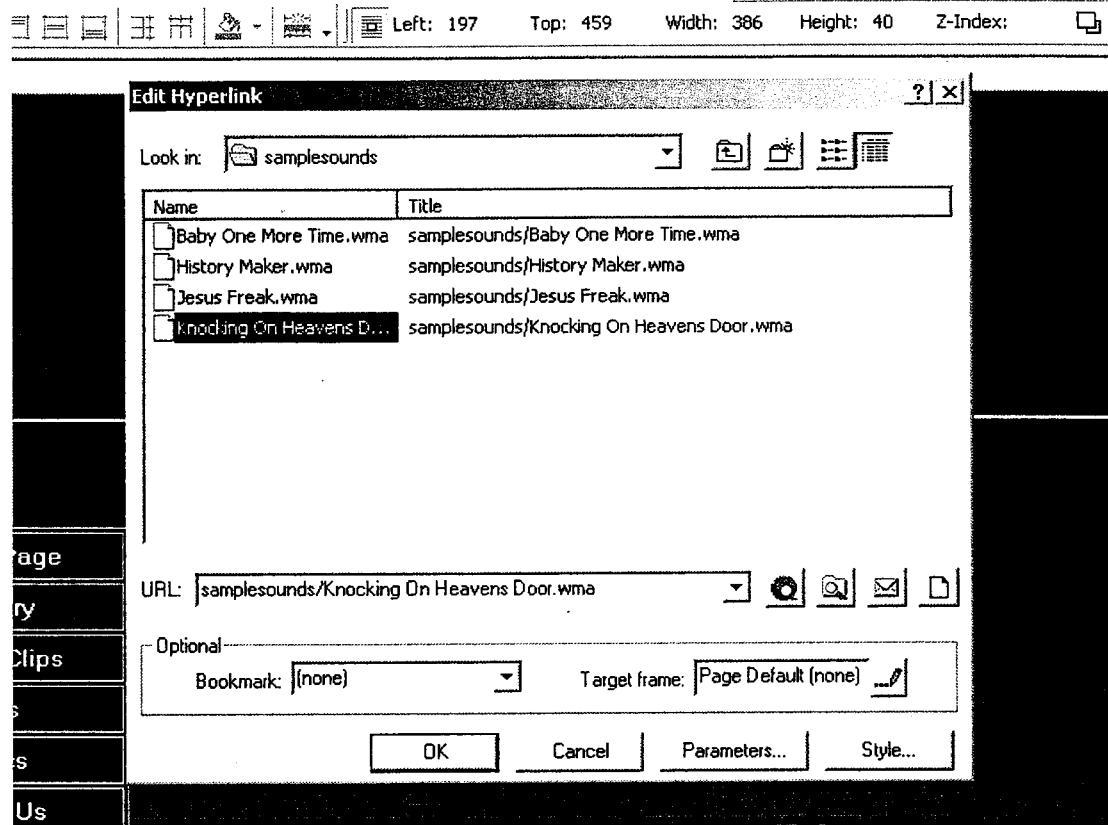
<p align=center></p>
<hr>
<p>&nbsp;</p>
<div align="left">
<table border="1" width="16%" align="left">
  <tr>
    <td width="100%">
      <applet code="fphover.class" width="150" height="24">
        <param name="textcolor" value="#FFFFFF">
        <param name="text" value="Home Page">
        <param name="font" value="Dialog">
        <param name="fontstyle" value="bold">
        <param name="fontsize" value="14">
        <param name="color" value="#000000">

```

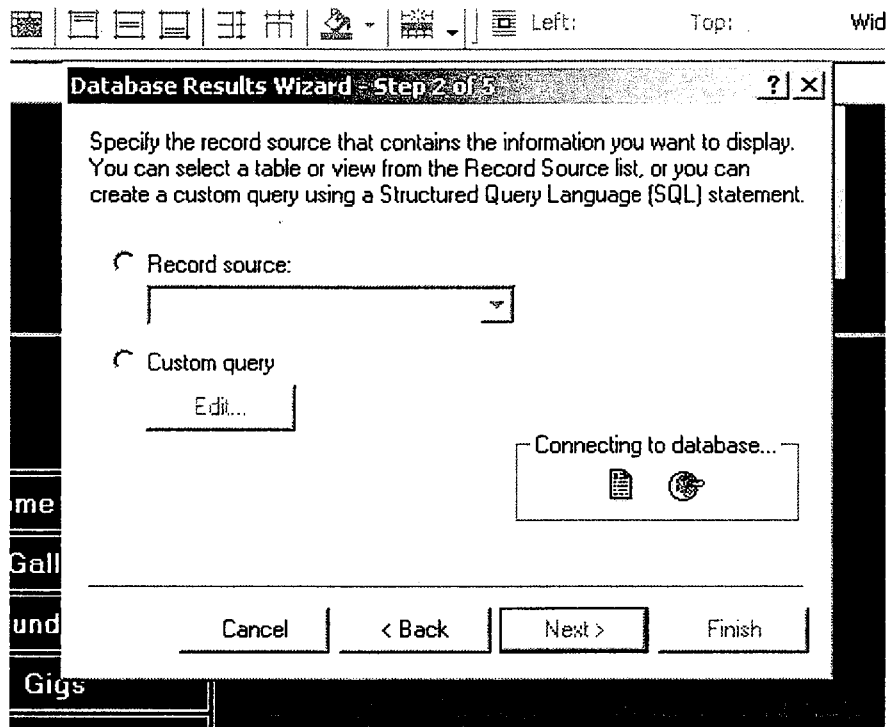
Normal HTML Preview

This meant that when you right clicked, it would say "Page Copyrighted."

I then needed to create the sound clips page. So for this, I had parts of songs saved as mp3 files. These clips were taken from the centre of some of our songs. To do this, all I did was copy the mp3 files to a folder in the directory of the web page called *samplesounds*. I then inserted links into the page and formatted them, this meant that people could download the file and then play it. Because the colour of the links are usually blue, I wanted this text to be green, so I right clicked the page, went to page properties and changed the colour of links for this page to green. Because my web server can only hold 10 megabytes of space, I only inserted four of our songs. When I find another server, I will upload the files to that server and link them to my page.



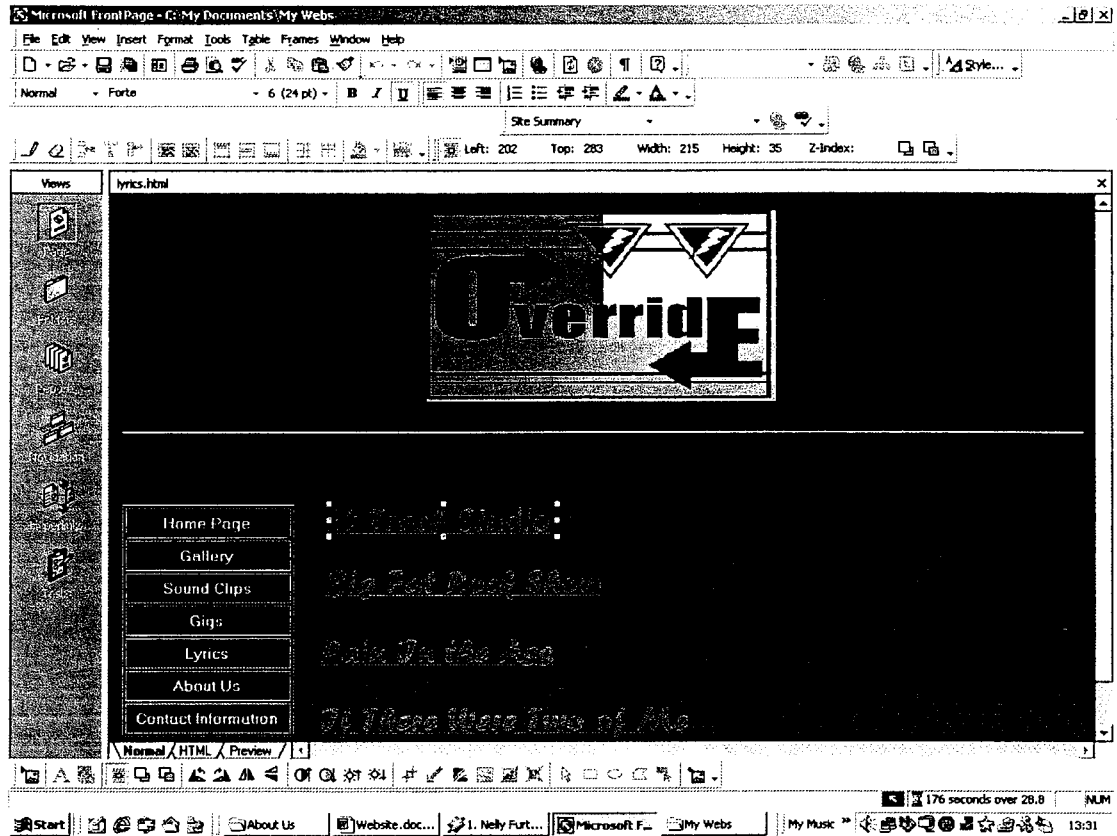
Then I needed to make the gigs page. This page needs to contain the information about our upcoming gigs. Firstly I created a new database in a database program and saved it in the web page directory. This database contained the information about our gigs. Because I didn't have any information about our next gigs at the time, I entered some random information into the database. I saved the database a .dbf file so it would be compatible with Microsoft FrontPage. Then I went to **insert, database, results, and use a new connection**. Then I went to **record source**, and then pressed next to the next few boxes.



I then set the table to position absolutely and moved it to the right place. I then also had to change the file extension of the page to .asp so the table would work properly.

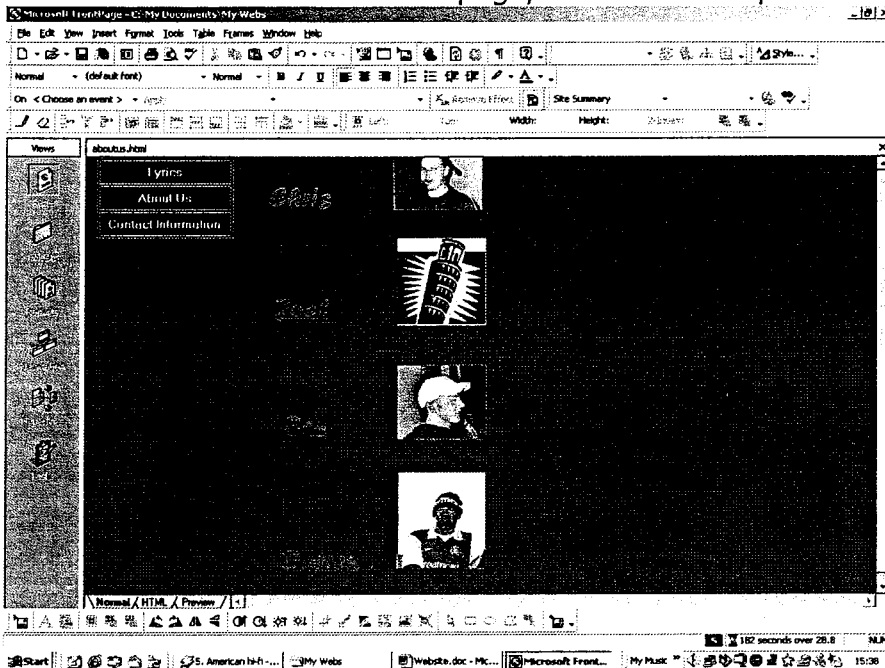
Then I had to create the lyrics page. Firstly I made three copies of the base page and renamed them to the names of the songs. Then on each page I inserted the lyrics from Microsoft Word and formatted them, I also put a border around the title to make them stand out. I did the same thing for all three songs. Whenever I wanted to add more lyrics I would just copy more base pages and insert the lyrics.

Then I created the lyrics home page. To do this, I again changed the colour of the links to green, and then I inserted the links, set them to absolute and moved them about.

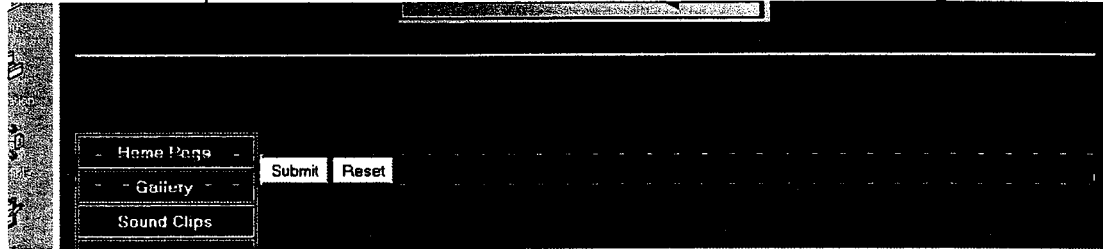


Then I created the page *about us*. I created five copies of the base page and renamed them to the members of the band. I then inserted the pictures of each member and also the information, which they wrote about themselves in Microsoft Word.

Then in the *about us* home page I changed the colour of the links to green, inserted links to each members page, and inserted a picture next to the link.



One of the final pages that I needed to create on the website was the Contact Information page. This would contain a form which when information was entered and submitted, it would be sent to a file on the server. To do this, firstly I went to **insert, form, form**. I then, just in front of the submit and reset buttons pressed enter a few times to make the form box larger.

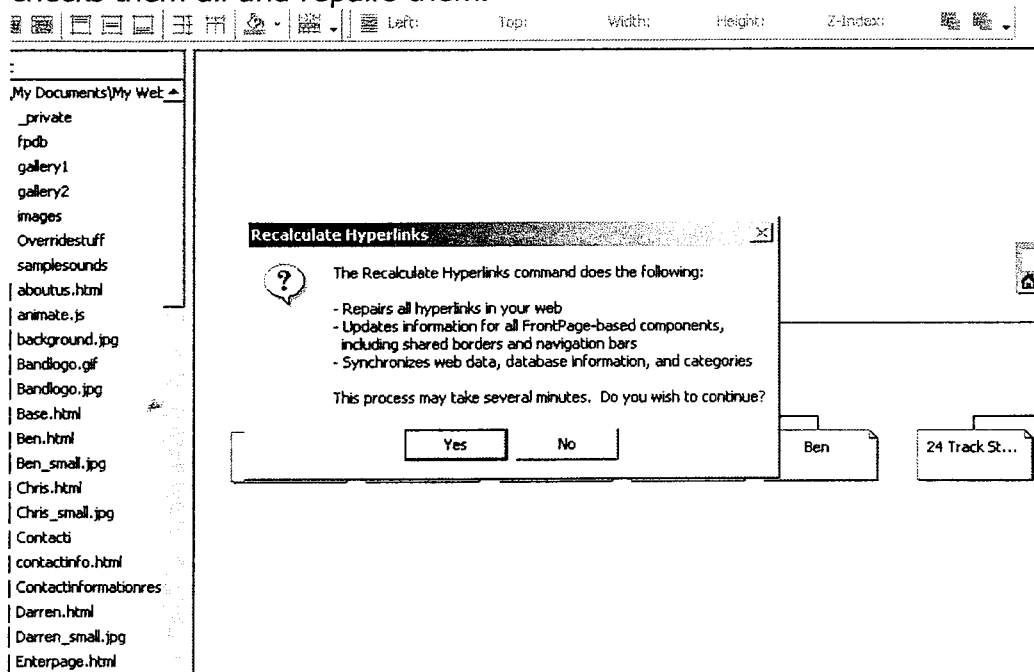


I then went to the right place inside the form box and inserted a single line text box. I then position it absolutely and next to it wrote "e-mail address."

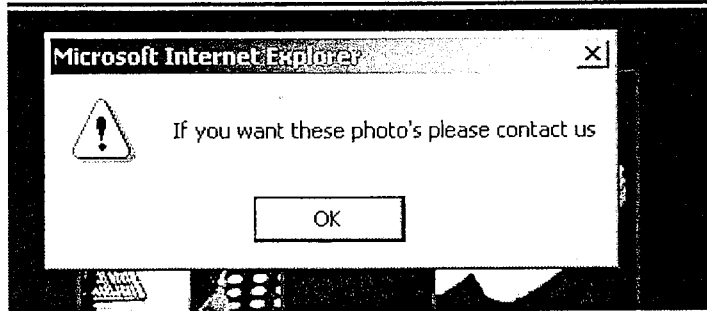
I then inside the form box also inserted a scrolling text box and then resized it. I then set the submit and reset buttons to position absolutely and moved them to the bottom right of the form. Then I right clicked inside the form and went to form properties and changed the name of the file to "contactinformationresults" and then went to **options, confirmation page** and typed in the home page, this means that they would be taken back to the home page when they had sent off their information.

Testing

Firstly I tested all of the links on all of the pages. I did this by just going through each page and trying the links on the left hand side. I then also did a test in Microsoft FrontPage by going to **tools, recalculate hyperlinks**. This checks them all and repairs them.



The next test I did was on the pictures page where I locked the pictures. This worked fine. I also changed what it said to "If you want these photo's please contact us."



I then tested the form to make sure that it went to the right place. The form saved itself as a text file in the web page directory.

Refinements

I made many refinements while making the web page.

- Positioning of the band logo at the start. In the designs I wanted it to be to the left, while making the site I decided it would look better in centred.
- I inserted a horizontal line just below the band logo because the person I was making the site for suggested it might look better.
- I used different fonts, I also thought these would look better.
- I changed some of the colours to green, like the colours of the buttons on the left of the site.

Evaluation

The Objectives

- The website must catch the eye, by being very colourful and having interesting pictures.
- The website must be able to use by anyone so therefore it has to be quite simple.
- The website must be able to show galleries of some pictures of all the band members.
- The website must host downloads of samples of some of the bands music in a commonly used format.

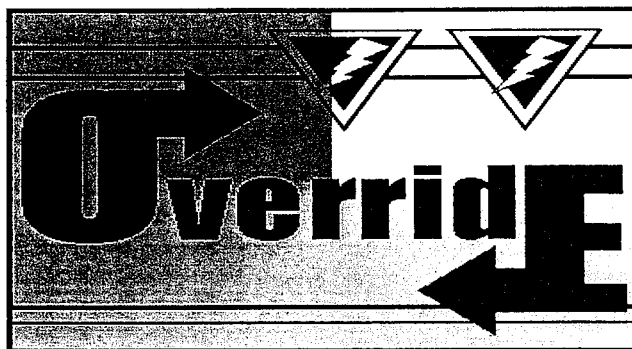
These were solved by:

- I used and changed colours and also got a lot of feedback while making the site to make sure that the colours were quite eye catching. I don't think that the colours were as eye catching as they could've been, I think I should've used brighter more florescent colours.
- The website was very easy to use as all you have to do is click the mouse button depending where you want to go.
- The website has two galleries and one of them isn't being used. I can also very easily add new galleries to the site.
- The website currently can only host about four songs. When I find another host I will put some more songs onto that server and then link my site to the other server.

Users Comments and Enhancements

When I showed the other members in my band, they made these points on how to improve the website:

1. The site needs to be more colourful. The current colours are too bland and boring. They also said that to improve this, I should choose two or three colours and blend these together throughout the site. They said I should use a new background using these new colours and also change the links and most other things that require a lot of colour.
2. I should use frames and create a frame for the logo at the top of the page and then also put the scrolling marquee there too. They also said I should put a frame for the links at the left of the page.
3. The band logo wasn't very effective as it was also too bland. They said the band needs a new band logo and that we also need the logo to have eye-catching colours.
4. The effects when you enter and exit the page aren't very good if you're using a normal dial up modem. This is because it's too slow so the effects don't work. So to speed up the page they said that I should just take them off.



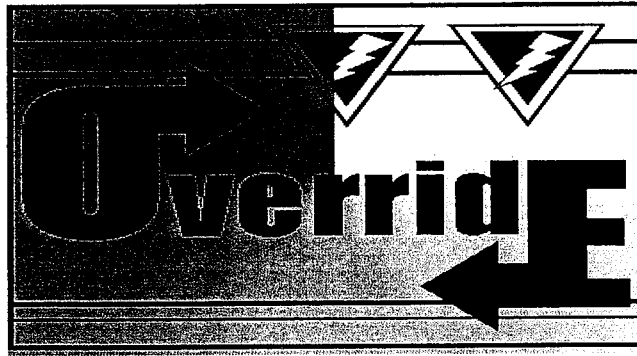
Home Page
Sound Clips
Gigs
Lyrics
About Us
Contact Information

Hit Me Baby One More Time

History Maker

Jesus Freak

Knocking On Heavens Door



Latest News

We have a website!

- [Home Page](#)
- [Gallery](#)
- [Sound Clips](#)
- [Gigs](#)
- [Lyrics](#)
- [About Us](#)
- [Contact Information](#)

Search The Site
Search The Site

Start Search

Reset

Our aims are:

1. To praise God in everything we do.

Psa1m 9:1-2

"I will praise you, O Lord with all my heart; I will tell of your wonders.

I will be glad and rejoice in you.

I will sing praise to your name O most high."

2. To spread the word and love of God to others in everything we do.

Psa1m 40:9-10

"I proclaim righteousness to the great assembly; I do not seal my lips, as you know, O Lord.

I do not hide your righteousness in my heart; I speak of your faithfulness and salvation.

I do not conceal your love and truth from the great assembly."

3. To grow in the gifts God has given us and discover new ones.

1 Corinthians 12:4-6

"There are different kinds of gift, but the same spirit.

There are different kinds of service, but the same Lord.

There are different kinds of working, but the same God works all of them in everyone."

FINALLY..

How does 1 Corinthians 12 :12-31 relate to how members of the band should work together?