Level 3 Designing and creating advanced websites (7266-046)

e-Quals
Assignment guide for Candidates
Assignment B

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Level 3 Designing and creating advanced websites (7266-046)

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 3 Designing and creating advanced websites (7266-046).

Health and safety

You are asked to consider the importance of safe working practices at all times.

You are responsible for maintaining the safety of others as well as your own. Anyone behaving in an unsafe fashion will be stopped and a suitable warning given. You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements. This may seem rather strict but, apart from the potentially unpleasant consequences, you must acquire the habits required for the workplace.

Time allowance

The recommended time allowance for this assignment is 3 hours.

Level 3 Designing and creating advanced websites (7266-046)

Candidate instructions

Time allowance: 3 hours

Assignment set up:

The assignment is made up of three tasks

Task A – Plan the website
Task B – Implement your website plan
Task C – Test and evaluate your website

Note: Task A should be completed prior to the assignment. No time restriction is given for Task A. The time allowance is for Tasks B and C.

Creation and collection of images to be used for this assignment can be done outside of the assessment time and saved for use during the assignment.

Scenario:

You work for Mannerings Estate Agency which is a company that advertises houses for sale on the Internet. As a web designer for the company you have been asked to design a website to advertise the available houses for sale. The minimum specification is detailed below and you have been given full artistic license to produce a website that will inspire and engage potential clients.

- The site will consist of a minimum of six pages.
- Your pages may be laid out using either frames, tables or cascading stylesheets (CSS). A flexible layout should be employed with the main content of each page occupying approximately 85% of the width of the browser window.
- At the top of each page should be the company name and a company logo. A Java applet or animated gif should be used to create the company logo.
- Each page should have a suitable tiled background image which should be consistent throughout the site. You may either use the one provided or using all tools at your disposal to select your own.
- The home or index page must contain information about the company and its services.
- Three other pages will list details about specific types of properties – detached, semi-detached and terraced. These pages will each have an appropriate graphical image. You may either use the graphic images provided or using all tools at your disposal to select your own.
- There should a page linked to the supplied database which will allow customers to search for properties by town. The search results should be presented in a dynamically generated results page.
- A feedback page containing a form allowing the collection of customer details and comments.
- Site navigation should be enhanced by the use of a dynamic navigation bar positioned on each page below the company name. Text links towards the bottom of each page.
- Each page should have an email link for enquiries.
- At the foot of each page insert your name and the date that the page was last updated.
- Every page should be linked to a single external stylesheet – which contains formatting instructions for headings, paragraphs and links used throughout the site.

Continued over…

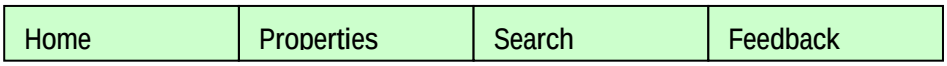
Read all of the instructions carefully and complete the tasks in the order given.

The data in the supplied database is shown below and will be provided for you (Mannerings.mdb):

REFNO	TOWN	TYPE	BEDROOMS	PRICE	HEATING	GARAGE
13678	Croydon	Detached	4	£250,000	Yes	Double
13679	Croydon	Semi-Detached	3	£165,000	No	Single
13700	Redhill	Flat	2	£110,000	Yes	None
13702	Crawley	Detached	4	£220,000	Yes	Double
13703	Crawley	Semi-Detached	4	£145,000	Yes	Single
13705	Croydon	Terrace	3	£95,000	No	None
13708	Brighton	Terrace	3	£150,000	Yes	None
13709	Redhill	Detached	3	£165,000	Yes	Single
13711	Crawley	Detached	3	£175,000	Yes	Double
13712	Brighton	Flat	2	£75,000	Yes	None

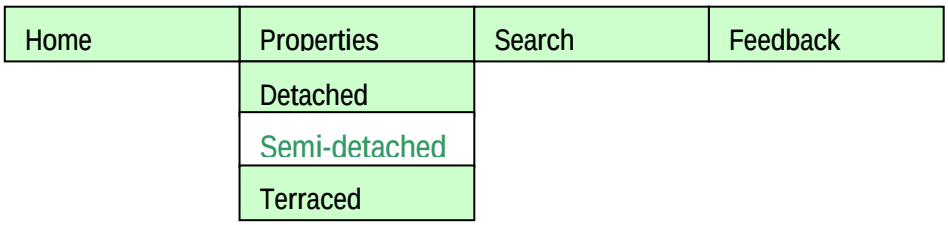
The dynamic navigation bar should consist of a series of four buttons that demonstrate a response to **mouse over** by changing both the text and the background colour. The colour scheme should be appropriate for the overall style of the website.

The navigation bar should be approximately 20px high by 480px in total length.



Home must link to the home or index page;
Search must link to the database search page;
Feedback must link to the feedback form page.

Properties should not link to a specific page – but, when the user passes a mouse pointer over the button, a drop-down menu should appear with links to the following pages – Detached houses, Semi-detached houses and Terraced houses.



Task A:

In this task you are required to produce brief design documentation for the development of the website. You can use the storyboard provided in Appendix A or any other documentation you may have designed previously for this purpose. Ensure that your storyboard, or similar, includes the details of the minimum specification provided.

Produce a:

1. brief description or statement of the requirements
2. structure diagram to show the links between each page of the website
3. description of your external stylesheet listing the attributes and values of headings, paragraphs and links used throughout the site - for example, font family, font size, colour, text alignment, font style, indents, line spacing etc. The site's background image may also be specified using the stylesheet
4. sketch/storyboard of the home or index page to show the position, format and source of the main elements. Link information should also be included.

Task B:

You are required to implement the website you have previously designed.

1. Use a suitable background image on **all** web pages editing, where appropriate, using graphics editing software. Save it in an appropriate file format.

2. Locate and edit as required suitable graphic images to be used on the properties pages.

3. Produce the components of the dynamic navigation bar as in the minimum specification.

4. Create a root folder for your site using an appropriate name. Within this folder, create an **Images** folder and any other folders that might be required to help organise the file structure of your site.

5. Create/edit the external cascading stylesheet (CSS) file containing the styles as defined in Task A. You will need to link all pages of your website to this stylesheet.

   Print out a copy of the stylesheet.

6. Create the home/index page containing the company name, company logo (using a Java applet or animated gif), information about the company and its services, dynamic navigation bar, text links (including an email link), your name and the date the page was last updated.

   Ensure that the background image is inserted. The background image may be inserted separately on each page or by using the stylesheet.

7. Create the three property type pages – detached, semi-detached and terraced – according to the website specifications.

   Ensure that a suitable image is inserted in each page and that each page contains relevant property details.

Continued over…

8. Create the search page which will allow customers to search for properties by town. The search results should be presented in a dynamically generated results page.

9. Create a feedback page containing a form to collect data from the user.

10. Ensure that every page displays:
    - the company name
    - the company logo (using a Java applet)
    - a dynamic navigation bar
    - text links (including an email link)
    - your name and the date the page was last updated
    - the background image

Task C

In this task you are required to test and evaluate the website you have created.

1. Upload the website to a web server.

2. Preview the website in **two** different browsers and check that all components are displayed and function as expected.

3. Check that all links work as specified.

4. Check that dynamic pages are generated correctly.

5. Print out the HTML code for the home/index page.

6. Produce a brief evaluation report to include:
    - Did the website meet the original specification?
    - What problems (if any) were encountered during implementation and how they were resolved?
    - A list of improvements (minimum of two) which could be made in the future.

End of assignment

Note

- At the conclusion of this assignment, hand all paperwork and removable media to the test supervisor.
- Ensure that your name is on the removable media and all documentation.
- If the assignment is taken over more than one period, all removable media and paperwork must be returned to the test supervisor at the end of each sitting.

Appendix A

Storyboard for (Assessment Number): ..... Page: ..... of .....

Designer (Candidate Name): .....

Page purpose/description:

Screen size:
(pixels)

..... X .....
(width) (height)

Legend:

Links (e.g. to other pages, anchors within pages and/or external web sites):

Styles (e.g. font type, size, style, colour):

Production Notes (e.g. page background colour and/or image; link colours):

(Continue on a separate sheet of paper if necessary