

Pearson Edexcel Level 2

Diploma in Digital Applications

Unit 5: Coding for the Web

11 May – 15 May 2015

Time: 2 hours 30 minutes

Paper Reference

DA205/01

You must have:

A computer workstation, appropriate software,
ASSETS folder containing data files, blank paper for design work

Instructions

- Complete **all** activities.
- You must **not** use the internet during this test.

Information

- There is **ONE** task in this examination paper.
- The ASSETS folder in your user area includes all the content and information you need.
- The invigilator will tell you where to store your work.
- You may use blank paper for design work.
- The total mark is **50**.

Advice

- Read the task and instructions on pages 2–6.
- Save your work regularly.
- Check your work.

Turn over ►

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CLIENT BRIEF

Upcycle Bicycle is a nationwide charity that recycles old bikes. It requires a website to generate awareness about its activities and encourage people to take part.

Upcycle Bicycle has provided you with a **wireframe** of the website that they would like you to create. You should follow the **wireframe** exactly when designing the website.

Overall site requirements:

- A one page website with anchors to the following headings on the page:
 - home
 - news
 - get in touch.
- Structural elements including metadata.

All the required images and information are supplied in the ASSETS folder.

External style sheet

As you build the website you will need to create an external style sheet.

In addition to the requirements of the client brief, the style sheet will need the following properties:

- Default font:
 - font-family – Arial, Helvetica, sans-serif
 - font-size – 100%
 - line-height – 1em
 - color – #000
 - font-weight – normal
- Headers:
 - font-family – Arial, Helvetica, sans-serif
 - line-height – 1.4em
 - color – #000
 - font-weight – strong
- Links:
 - font-size – 1.5em
 - color – #c60
 - text-decoration – none
- Rollovers:
 - color – #666
- News section:
 - background-color – #ccc

- Feedback section:
 - font-family – Arial, Helvetica, sans-serif
 - font-size – 1.2em
 - line-height – 1.4em
 - color – #000
 - font-style – italic
- Footer section:
 - background-color – #000
 - color – #fff

Other site requirements:

Header

The header is 1024 x 400px. Select a suitable image to use as the background and set the opacity to 0.4 to make the image transparent.

Using JavaScript, display the date and time in the top left corner of the header.

The navigation bar is positioned in the top right corner of the header and provides:

- links to the following parts of the page:
 - home (top of the page)
 - news
 - get in touch
- links to:
 - Twitter (<https://twitter.com>)
 - Facebook (<http://facebook.com>)

You should use the image sprites TWITTER.png and FACEBOOK.png included in the IMAGES folder.

Position LOGO.png as shown on the **wireframe**.

An AUDIO file has been provided in different formats. It should be incorporated into the header as shown on the **wireframe**. You should include controls.

News

The news section is 1024 x 450px. Add the heading as shown on the **wireframe**.

Insert the following images:

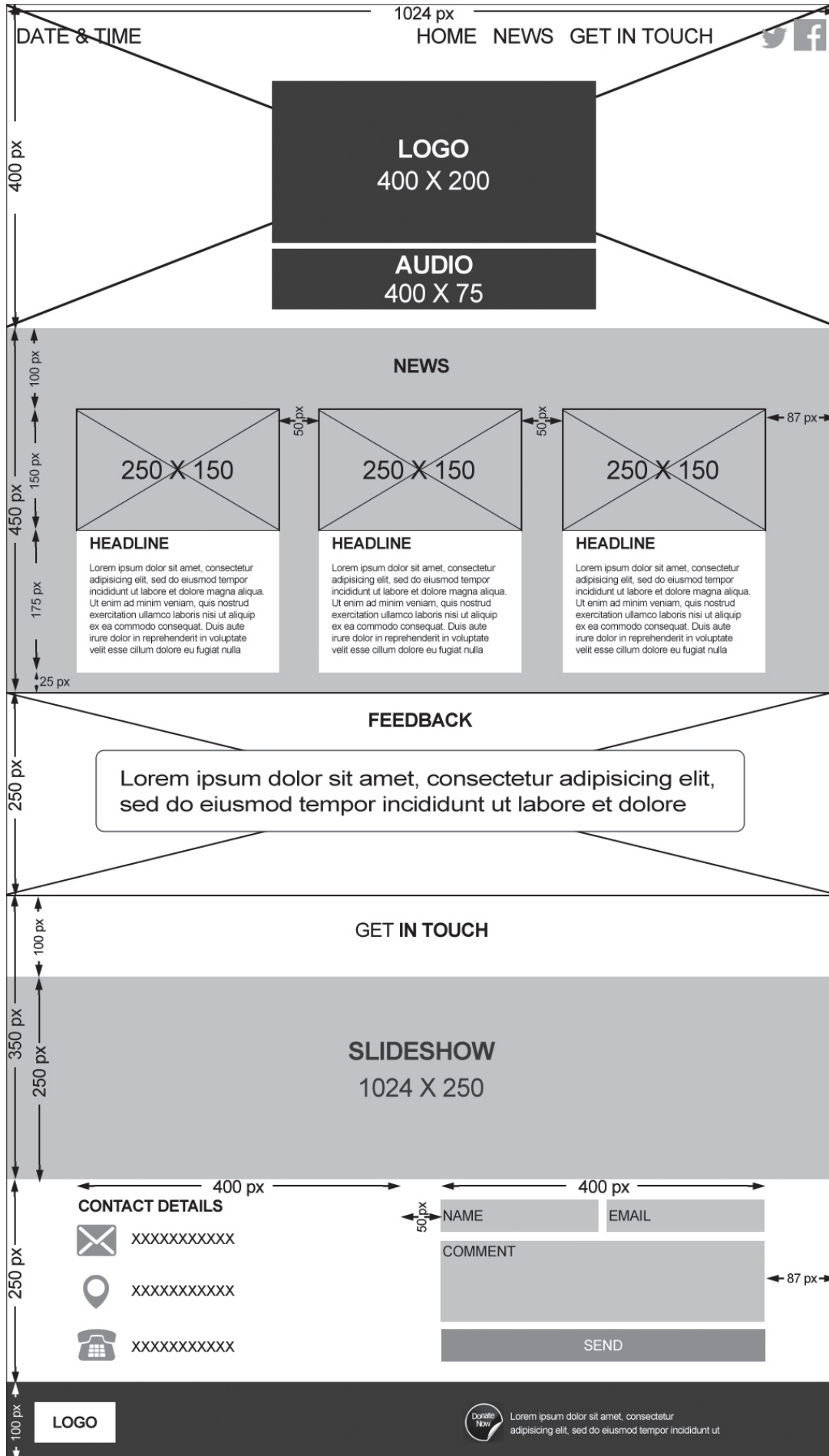
- RESCUE.png
- REPAIR.png
- UPCYCLING.png

Underneath each image insert a text box, 250 x 175px, with a white background.

Add the relevant section of text from INFO.rtf under the appropriate image.

- Feedback** The Feedback section is 1024 x 250px.
Add the heading as shown on the **wireframe**.
Select a suitable image to use as the background.
- Put the feedback text from INFO.rtf in a box, as shown on the **wireframe**.
This box should:
- have a white background
 - have rounded corners set to 10px
 - have a 1px, solid black border.
- Get in Touch** The Get in Touch section is 1024 x 600px.
Add the heading as shown on the **wireframe**.
You should include a slideshow, contact details and contact form, as shown on the **wireframe**.
- Slideshow** The HTML, CSS, JavaScript and three images for the slideshow are supplied in the folder called SLIDESHOW.
- You must incorporate the slideshow as shown on the **wireframe**.
- The three images should slide automatically.
- Contact Details** Include the EMAIL, ADDRESS and PHONE icons from the IMAGES folder.
Include the relevant information from INFO.rtf next to each icon, as shown on the **wireframe**.
- Add an email link to info@upcyclebicycle.org.uk
- Contact Form** Create a form as shown on the **wireframe**.
The code is in the FORM folder. Use JavaScript to add appropriate form validation.
- Footer** The footer is 1024 x 100px.
Resize the logo to include it within the footer.
- Insert DONATE.png and add the relevant text from INFO.rtf, as shown on the **wireframe**.

THE WIREFRAME



THE TASK

You must build a website for *Upcycle Bicycle* using appropriate programming languages.

The website must be viewable in a desktop web browser.

You must include the requirements specified in the client brief.

(Total for Task = 50 marks)

TOTAL FOR PAPER = 50 MARKS

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