N5 Computing Science – Web Design and Development

Due Date: Date

Name

Homework 1

Inverness United amateur football club have a website with a home page and then pages for fixtures, squad information and club officials as well as a link to the Inverness League website.

1. Draw a structure diagram to represent the Inverness United website.

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1. Describe what a Hierarchical Website Structure is using the example above to help.

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1. The team plan to add a section for individuals and companies to give sponsorship to the team – it will have a few ordered pages to enter the specific details required. Name and explain the type of structure needed for this section of the website.

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1. Explain what Internal and External hyperlinks are giving an example of each from the above website.

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The club are going to start creating a web page for each match they play. It will have the teams and scores at top, a couple of photos, text for the report, a video clip and an audio interview with the manager and a link back to the fixtures section.

1. Using the information above draw a labelled Wireframe to design what the web page could look like.

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1. For the web page above describe an end-user requirement and a related functional requirement.

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1. Name a file format that would be best for the photos with 2 reasons why the type is suited.

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1. The club are going to copy photos from the local sports reporter’s website to use, state the full name of the law they would be breaking.

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1. The football club also have a logo they want added to their web pages, suggest a suitable file type to use for it with a reason why.

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1. They have the post-match interview in WAV and MP3 sound file formats. Explain an advantage of using each on the web page.

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1. Describe what Compression is and explain why it is needed with multimedia data like video.

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1. The football club have had feedback that users are not finding the site effective to use. Explain how you can create a Low Fidelity Prototype to try out designs on target users.

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1. For each of the terms below explain how they relate to effective user design of Websites.

Visual Layout -

Navigation -

Navigation -

Consistency -