

**Department of
Computing and Information Technology**

ICT05A Web Design and Programming

ICA40511 Certificate IV in Programming

Assessment Item 3: Prac Exam

Version 1 Test A

Semester 1, 2012

The following areas of competence are assessed through this activity:

Critical aspects of evidence	Links to competency standards
Develop a website styled and formatted using CSS to user requirements	ICAWEB409A 1.1 1.2 1.3 1.4 ICAWEB411A 1.1 1.2 1.3 2.2 3.2
Lay out page elements using CSS	ICAWEB409A 1.2 1.3 1.4 ICAWEB411A
Test web pages in a variety of browsers	ICAWEB409A 2.1 2.3 ICAWEB411A 3.1
Validate the CSS against industry standards	ICAWEB409A 2.2 ICAWEB411A
Produce basic client server-side scripts for dynamic web pages	ICAWEB409A ICAWEB411A 2.1 2.3
Confirm successful viewing of the active elements or objects across different platforms.	ICAWEB409A 2.1 ICAWEB411A 3.1

Instructions to students:

Time	2 hours
Method	Closed book
Possible Marks:	60
Weighting:	25% of final mark

Marking Scheme

<i>Item</i>	<i>Possible Marks</i>	<i>Actual Marks</i>
Practical Task	60	
TOTAL	60	

Student Name:**Group:**

Student Id No:**Teacher:**

Student Signature:.....**Date:**

Task

Log onto your computer using the Username: **GEXAM** and the password: **exam**

Download the relevant files which can be found on K drive (K:\APT\NFC\CA11 Subjects\WebDesignAndProgramming\Exam01).

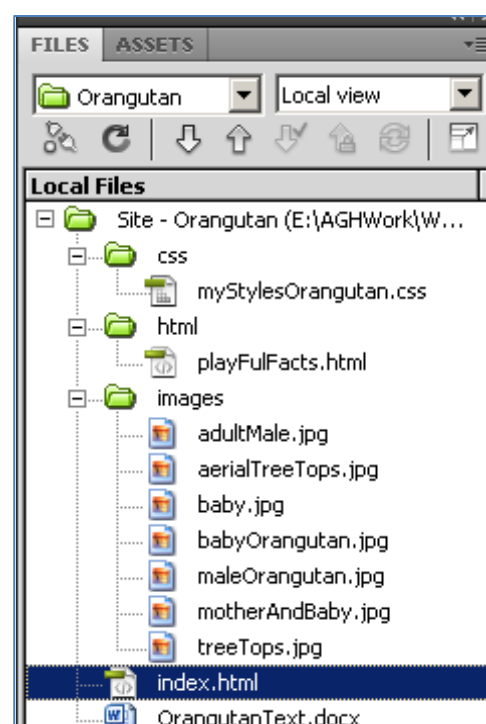
Extract and save all these files in **C:\Data** in a folder named YourStudentID eg **HIT123456**

Scenario:

You have been given the bare bones of a site called **Orangutans**. You are to make the **index.html** and **playFulFacts.html** pages functional, by inserting the text, correct links, images and apply formatting. The text you need for this site is saved in a file called **OrangutanText.txt**.

You have been provided with the following:

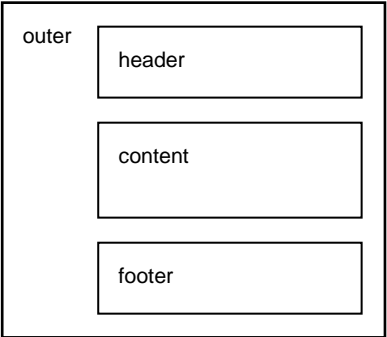
- A **zip** file called **Orangutan.zip**. This contains all your image files and a text file containing the text for this task. Unzip these files to **C:\Data\YourStudentId**.
- Create a subfolder called **images**. Copy all image files into this folder.
- Copy the file **OrangutanText.txt** into the root directory.
- Create a folder called **css** at root level. You will save your external css file in this directory.
- Create a folder called **html** at root level. You will save your html file in this directory with the EXCEPTION of **index.html** (which MUST be saved in your root directory).
- Delete the zip file and the folder it created.
- Using Dreamweaver, create a site called **Orangutan** and point it to the directory you created in **C:\Data\YourStudentId**.
- By the end of this practical you should have the site structure shown above.



Screen dumps of the completed pages for this site are attached at the end of this paper to help you.

NOTE: Make sure that you regularly save your work during this task.

Tasks	Possible Marks
1. Set up site as per instructions above (file structure).	4

Tasks	Possible Marks
2. Create a new html page called index.html . In code view, write your name and the date between html comment tags at the top of the page and resave the file.	1
3. Insert " Orangutan " as a title for this page.	1
4. Open the file called OrangutanText.docx . Copy and paste the text that is to go into this file in design view .	1
<p>5. This document is to be divided into three sections (divisions) all held in an outer division.</p> <p>In code view, directly under the opening body tag create a division with an id of outer. Close this division immediately before the closing body tag.</p> 	1
6. Immediately below the opening outer division, create another division called header . This division is to close under the text " Orangutans " – which will be the main heading on your page.	1
7. Go to the bottom of the page. You will notice address details for the Orangutan Club. This information is to be enclosed in address tags.	1
8. Place the address in a division with an id called footer .	1
9. Create a division for the text immediately after the closing tag for the header division, and immediately above the opening tag of the footer division. This division is to have an id of content .	1
<p>10. Insert style tags in the head part of your document, with appropriate html comment tags. For the following steps, define all styles as an embedded style.</p> <p><i>Once you have defined your styles for this document your will cut and paste most styles to an external style sheet.</i></p>	1
11. Define the following style for the header division: It has to have the background image aerialTreeTops.jpg repeated across the top of the document.	1
12. For the outer division apply a background color of #393 .	1

Tasks	Possible Marks
13. For the content division apply the following formatting: Left margin of 10em Left padding of 1em Background color of #FF9900	2
14. For the address apply the following formatting: Font family of Georgia, "Times New Roman", Times, serif Font variant of small caps Font size of 10px Text alignment of center Text color of white	2
15. Create a class style called topHeading : Font family of "Lucida Sans Unicode", "Lucida Grande", sans-serif Left padding of 10px Font style as normal Text color of #FFF Top padding of 35px Bottom padding of 35px Font size of xx-large	2
16. Select the main heading on the page - " Orangutans ". Enclose this text in h1 heading tags and apply the style topHeading to it.	1
17. Define the following style to the body of the document: Font family of Arial, Helvetica, sans-serif Font size of 12px Font color of #000	1
Define the following style for h2 headings: Font family of "Trebuchet MS", Arial, Helvetica, sans-serif Font color of #FFF	1
18. Define the following style for h3 headings: Font family of " Georgia, "Times New Roman", Times, serif Font style of italic Font color of #FFF	1
19. Find the text " Orangutan Facts " and " Deforestation " and make them h2 and h3 type headings respectively.	1
20. Insert the image motherAndBaby.jpg directly after the opening tag of the content division. This image is to have the following properties: Alternate text of "Mother and Baby Orangutan" Width of 300 Height of 354 Horizontal and vertical spacing of 10 Float right	2

Tasks	Possible Marks
21. Insert the image babyOrangutan.jpg directly under the “Deforestation” heading. This image is to have the following properties: Alternate text of “Baby Orangutan” Width of 209 Height of 300 Horizontal spacing of 20 Float left	2
22. Find the text: “ Height ”, “ Weight ”, “ Life Span ”, “ Gestation ”, “ Number of Young at Birth ”, “ Sumatran Orangutans ”, “ Bornean Orangutans ”, “ pulp paper ” and “ palm oil plantations ”. Make these bold .	1
23. Find the text: “ Extinction in the wild is likely in the next 10 years for Sumatran Orangutans and soon after for Bornean Orangutans. ” Make these <i>italicised</i> .	1
24. The reasons for habitat destruction are to be displayed in a nested unordered list . Refer to your sample page and apply this. Note that there is to be additional bottom padding of 1em after each <i>outer</i> list item. Add this style to your css styles.	3
25. Find the text “ Adopt an Orphan ” in the second last paragraph. Make this text into an external hyperlink to the site: http://www.orangutan.org.au/adoptions . As it is an external link, it should open in a new page .	2
26. Find the text “ Back to Top ” near the bottom of the page. This is to be made into a jump link. When the user clicks on this, the page should go to the top heading.	2
27. In the address block find the e-mail address . Make this into an e-mail link (using the same e-mail as displayed).	2
28. For style re-use it is best to save all the styles you have defined in an external style sheet. Create an external style sheet called mystylesOrangutan.css . Save this file in a directory called css . Cut the styles (with the EXCEPTION of the style definition for the header division) and paste them into your css file. Link this style sheet to index.html .	2
29. Create a new html file called playfulFacts.html and save it in the html directory. Make sure that it has a title of Orangutans. Copy and paste the relevant text from OrangutanText.txt .	2
30. Return to index.html . Find the text “ Playful Facts about Orangutans ”. Make this text into a hyperlink, so that when the user clicks this text they are taken to the file playfulFacts.html .	1
31. Return to playfulFacts.html . Find the text “ Back ”. Make this text into a hyperlink, so that when the user clicks this text they are taken to the file index.html .	1

Tasks	Possible Marks
32. Create similar divisions for playfulFacts.html as you did for the index.html page. (Steps 6 to 9)	3
33. Link your external style sheet mystylesOrangutan.css to this file.	1
34. Find the text " Orangutan ". Format it as a h1 heading with a style of topHeading . Find the text " Playful Facts about Orangutans " and format it as a h2 .	1
35. Insert the style tags in the head section of the document and define the header division for this document to appear the same as the heading in index.html (with the background image).	1
36. Insert the image maleOrangutan.jpg directly under the opening tag of the content division. This image is to have the following properties: Alternate text of " Handsome Male Orangutan " Width of 300 Height of 350 Horizontal and vertical spacing of 10px Float right	2
37. Apply an unordered list to each paragraph of text on the page. There is to be additional padding after each listed item.	1
38. For the links specify: For a visited link the color should be #003300 When hovering over a link the color should be #FFFFFF and the link (text decoration) should be underlined .	2
39. Ensure all tags, styles and links used throughout all pages are XML compliant and that there are no missing or inappropriate tags.	2

Total Possible Marks: 60

Text Source:

<http://www.orangutan.org.au/>

<http://www.orangutan.org/>

Image Source:

http://www.123rf.com/photo_2596971_aerial-shot-of-tree-tops--abstract-texture-background.html (tree tops)

<http://endangeredanimals101.yolasite.com/orangutan.php> (Adult Male)


<http://www.telegraph.co.uk/culture/tvandradio/4934101/The-One-to-Watch-Wednesday-4-March.html> (Adult Male)

[http://endangeredanimals101.yolasite.com/orangutan.php\(mother](http://endangeredanimals101.yolasite.com/orangutan.php(mother) and baby)

<http://www.pictualis.com/images/Animals/Baby-Orangutan-03.jpg.php> (baby)

index.html

Orangutans



Orangutan Facts

Orangutans are great apes and are closely related to humans, having in common 97% of DNA.

Orangutans are extremely patient and intelligent mammals. They are very observant and inquisitive, and there are many stories of orangutans escaping from zoos after having watched their keepers unlock and look doors.

Height: males - about 1.5m; females - about 1.2m

Weight: males - 83 to 130 kg; females - 48 to 65 kg

Life Span: 60 years or more

Gestation: about 8.5 months

Number of Young at Birth: usually 1, very rarely 2

Extinction in the wild is likely in the next 10 years for Sumatran Orangutans and soon after for Bornean Orangutans.

Deforestation

The Sumatran and Bornean Orangutans' rainforest habitats are disappearing at an alarming rate due to deforestation and clearing of the land for pulp paper and palm oil plantations, with the remaining forest degraded by drought and forest fires.


- Logging is an obvious problem for orangutans who spend their lives in trees.
- Fires endanger the orangutans and the smoke confuses them leaving them vulnerable to death from loss of habitat (food).
 - Fires are commonly started to clear the land and undergrowth for farming and palm oil plantations.
- Palm Oil Plantations are now the leading suppliers for a global market that demands more of the tree's versatile oil for cooking, cosmetics, and biofuel. But palm oil's appeal comes with significant costs.
 - Palm oil plantations often replace tropical forests, killing endangered species, uprooting local communities, and contributing to the release of climate-warming gases.
 - The orangutans that are displaced starve to death, are killed by plantation workers as pests, or die in the fires.
- Poaching orangutan infants and hunting for meat also threatens the species.
 - Mothers are often killed for their babies, which are then sold on the black market for pets as they are cute.
 - Babies cling to their mothers and suckle their mother's milk until the age of 6 years.
 - Rescued infants are then rehabilitated by volunteers at orangutan rescue centres.
 - To support and help with the care of these infants, you can [Adopt an Orphan](#) for as little as \$55 a year.

Over 150 rehabilitated orangutans have been released into the forest area to date via the AOP supported Bukit Tigapuluh Sumatran Orangutan Reintroduction Project – the only reintroduction site for the Critically Endangered Sumatran orangutan.

[Playful Facts about Orangutans](#)


[Back to Top](#)

HOLMESGLEN ORANGUTAN CLUB RATESFORD ROAD HOLMESGLEN 3148 TELEPHONE: (05) 9594 4555 EMAIL: Orangutans@holmesglen.vic.edu.au



Part of index.html

- Logging is an obvious problem for orangutans who spend their lives in trees.
- Fires endanger the orangutans and the smoke confuses them leaving them vulnerable to death from loss of habitat (food).
 - Fires are commonly started to clear the land and undergrowth for farming and palm oil plantations.
- Palm Oil Plantations are now the leading suppliers for a global market that demands more of the tree's versatile oil for cooking, cosmetics, and biofuel.
 - Palm oil plantations often replace tropical forests, killing endangered species, uprooting local communities, and contributing to the release of climate-warming gases.
 - The orangutans that are displaced starve to death, are killed by plantation workers as pests, or die in the fires.
- Poaching orangutan infants and hunting for meat also threatens the species.
 - Mothers are often killed for their babies, which are then sold on the black market for pets as they are cute.
 - Babies cling to their mothers and suckle their mother's milk until the age of 6 years.
 - Rescued infants are then rehabilitated by volunteers at orangutan rescue centres. To support and help with the care of these infants you can [Adopt an Orphan](#) for as little as \$55 a year. www.orangutan.org.au/adoptions



playfulFacts.html

Orangutans

Playful facts about Orangutans

- In Malay and Indonesian orang means "person" and utan is derived from hutan, which means "forest." Thus, orangutan literally means "person of the forest."
- Orangutans' arms stretch out longer than their bodies - over 7 ft. from fingertip to fingertip - and are used to employ a "hookgrip." When on the ground, they walk on all fours, using their palms or their fists.
- When male orangutans reach maturity, they develop large cheek pads, which female orangutans apparently find attractive.
- When males are fighting, they charge at each other and break branches. If that doesn't scare one of them away, they grapple and bite each other.
- For the first 4-6 years of his/her life, an infant orangutan holds tight to his/her mother's body as she moves through the forest in search of fruit.
- Like humans, orangutans have opposable thumbs. Their big toes are also opposable.
- Orangutans have tremendous strength, which enables them to swing from branch to branch and hang upside-down from branches for long periods of time to retrieve fruit and eat young leaves.

[Back](#)

HOLMESGLEN ORANGUTAN CLUB BATESFORD ROAD HOLMESGLEN 3148 TELEPHONE: (03) 9564 1555 info@orangutanclub@holmesglen.vic.gov.au

