ASSESSMENT BRIEF 1

COURSE: Bachelor of Information Technology/ Bachelor of Information Technology with a Specialisation in Cyber Security	
Unit Code:	DWIN309
Unit Title:	Developing Web Information Systems
Type of Assessment:	**Assessment 1** – Web-based Application Development
Length/Duration:	Weeks 1-7
Unit Learning Outcomes addressed:	1. Develop a web-based information system using basic technologies such as mark-up languages, stylesheets, JavaScript, PHP script, and databases
Submission Date:	Week 7
Assessment Task:	Develop a web-based application using HTML5 markup, stylesheets, and PHP script
Total Mark:	100 Marks
Weighting:	20%

Students are advised that **submission of an Assessment Task past the due date without a formally signed approved Assignment Extension Form** (Kent Website *MyKent Student Link*> *FORM – Assignment Extension Application Form – Student Login Required)* **or previously approved application for other extenuating circumstances impacting course of study, incurs a 5% penalty** per calendar day, calculated by deduction from the total mark.

For example. An Assessment Task marked out of 40 will incur a 2 mark penalty for each calendar day.

More information, please refer to *(*Kent Website *MyKent Student Link*> *POLICY – Assessment Policy & Procedures – Student Login Required)*

This is an **individual** assignment. In this assignment, you will design and implement a simple web application using only HTML mark up, stylesheet, and PHP script. Skills learnt in this assignment will be built upon in Task 4 group assignment.

Upon successful completion of this assignment the student will:

• Be able to create a working PHP program.

• Be able to use HMTL markup and CSS styles to create web pages.

• Be able to describe and apply semantic tags to create structural meaning.

• Be able to build consistent navigation structure over multiple pages.

• Be able to understand and use appropriate HTML attributes and tags.

CONTENT REQUIREMENTS

The website should act as a simple personal website. This website contains a file for layout of the **index.html** page, 4 html pages (see description below), a file for styling the elements of the **styles.css** page, and a folder for storing images.

You will draw a web page layout about yourself with the layout structure according to the option taking into account the colour scheme of the page. On the upper conner of the layout page there should be a picture of the logo of your name, which you create taking into account the colour scheme of the page (this picture should be in the images folder.)

The page (**index.html**) should have the following information in the page blocks:

• The Header section should contain your logo (picture);
• The Menu section (horizontal) should contain four hypertext links to four pages inside: o The "My Study Subject" (Page 1), where a numbered list of subjects and a link with a picture to the schedule will be located, on this page you must manually create a table with the schedule and a screenshot of the original;
  o The "My hobbies" (Page 2), where you can vertically place an unordered list of your hobbies, place relevant photos (pictures) next to them;
  o The "My Music" (Page 3), where the list of musical compositions from three audio and video tracks will be located (the tracks should be placed in the project's audio and video folder), the names of the performers should be made as hyperlinks to web pages with information about these performers, the pages will open in a new window;
  o The "My House" (Page4), where on this page you use PHP script to create an associative array which contains the information about your house or apartment including number of bedrooms, number of bathrooms, and the street address. Use one of the looping structures of PHP to output the information in a well-formatted table (you can use HTML and CSS code within print or echo statements to create your table.)
• The Menu section (vertical) should contain a news feed, four hypertext external links (to four pages according to the option, the last two should be with a picture of the site for each position).
• The Content section contains a photo and a biography of yourself, your main achievements, and goals, at least three paragraphs (the text should contain words in bold and words in italics, underlined words, paragraphs are separated by a horizontal line);
• The Footer section contains your e-mail, phone, a link to a page on the social network, and the date the site was created. Note for privacy concerns, you may make up an email and phone number.

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FUNCTIONAL REQUIREMENTS

You must submit valid and semantically appropriate HTML5. You must create at least 5 web pages described above that will define your "site".

Create site menus using lists (<ul>, <li>) with appropriate CSS formatting. Create CSS styles in a separate file that connects to all pages of the site.

It is forbidden to use tables for marking, only basic tags <div>, <span>.

It is forbidden to use any frameworks including Bootstraps for this assignment.

Each of your pages must be consistent with one another. There should be:
- a consistent layout, look, and feel between pages
- navigation menu with links between all 5 pages
- A footer (as mentioned above) which should be consistent across all pages

Each of the pages must include:
- The aforementioned menu that allows on to navigate between all the site's pages
- The aforementioned footer
- You must define "alt" and "title" attributes for all pictures and reference where each picture came from (that is not your own)
- Valid HTML5 markup. Your site should validate without error (warnings are ok).
- Ensure a unique and descriptive <title> tag for each page using title best practices described in lecture.
- Semantic markup:
  - Use the <nav> tag to define a uniform "menu" on each page
  - Use the <article>, <header> and <footer> tags at a minimum, with other tags to be used as appropriate.

ASSESSMENT SUBMISSION:

Since your website will consist of multiple files (4 html pages and at least 4 images), start by putting everything into a folder named task1_yourstudentid (e.g., task1_k123456). When confident it is ready, zip the entire folder and submit online in Moodle.

Note: Since absolute links will only work on your computer, it is recommended checking your submitted site to make sure all the links work as expected before signing off on your submission.

You will lose marks if you do not follow these submission instructions.

Our Academic Learning Support (ALS) team would be happy to help you with understanding the task and all other assessment-related matters. For assistance and to book one-on-one meeting please email one of our ALS coordinators (Sydney ALS_SYD@kent.edu.au; Melbourne ALS_MELB@kent.edu.au). For online help and support please click the following link and navigate Academic Learning Support in Moodle.

http://moodle.kent.edu.au/kentmoodle/course/view.php?id=5

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MARKING GUIDE:

Your assignment will be graded based on the overall layout of the pages, consistency between pages, as well as completion of the requirements on a per page basis.

Marking Criteria	Fail	Pass	Credit	Distinction	High Distinction
Layout of webpages/design /10	Not adheres to usability guidelines.	Adheres some to usability guidelines, not consistent between pages	Partially adhere to usability guidelines and/or they are applied consistently between pages	Mostly adhere to usability guidelines and consistent between pages	Fully adheres to usability guidelines and consistent between pages.
Navigation /10	Lack of navigation links.	Navigation was used but may not correct location.	Navigation is correct location and consistent between pages.	Navigation is correct location, consistent between pages, and links function.	Navigation is correct location, consistent between pages, and links function correctly with relative links.
Semantic markup /10	Markup was not consistently used between pages	Markup may not be consistently used between pages; choice of semantic tags may not appropriate.	Markup was consistently used between pages with appropriate choice of semantic tags.	Markup was consistently used between pages; appropriate choice of semantic tags; includes some of <header>, <footer>.	All semantic markup is consistent between pages, appropriate choice of semantic tags, includes a minimum of <header>, <nav>, <footer>, <article>
Title tags/10	Missing title tags	Title tags were used but not all pages.	Title tags in 3 out of 5 pages are correct, unique, and valid HTML5.	Title tags in 4 out of 5 pages are correct, unique, and valid HTML5.	All title tags used are correct, unique and valid HTML5.
Images /10	No images on page	Images are included but not well utilised.	Images on page are unique and cited.	Images on page are unique and cited but may not enclosed in appropriate caption tags.	All images on page are unique, cited, and enclosed in appropriate captions tags.
Styles /15	No style used or attempted to use of any frameworks including Bootstraps	Basic element-based selection capabilities, has been applied to the pages of the website. No use of external style sheets.	Appropriate CSS formatting, using more than the basic element-based selection technique capabilities (e.g., class attribute, id attribute, <div> attribute), has been applied to the pages to improve the layout and look of the website. No use of external style sheets.	Appropriate CSS formatting, using more than the basic element-based selection technique capabilities (e.g., class attribute, id attribute, <div> attribute), has been applied to the pages to improve the layout and look of the website. Style sheets are placed in an external file.	Appropriate and proper CSS formatting, using more than the basic element-based selection technique capabilities (e.g., class attribute, id attribute, <div> attribute), has been applied effectively to the pages to create an attractive website. Style sheets are placed in an external file.
Validation/10	Less than half of the web pages have passed HTML5 validation check.	Half of the web pages have passed HTML5 validation check without errors.	3 out of 5 pages have passed HTML5 validation check without errors.	4 out of 5 web pages have passed HTML5 validation check without errors.	All web pages have passed validation without errors.
PHP script/15	No evidence of using PHP script	PHP script was developed; almost required features work and produce	PHP script was developed; several required features work and produce results correctly.	PHP script was developed properly; most required features were implemented; work and produce information correctly in a well-formatted table.	PHP script was developed properly; all required features were implemented; work and produce information correctly in a wellformatted table.

Content/10	Topic was poorly addressed; content on the pages was not appropriated to the task.	Topic was addressed to some reasonable depth with some description. The content on the pages was relevant to the task.	Topic was addressed quite well. The content on the pages was relevant to the task, there might be some inconsistencies or inline with assignment expectations.	Topic was addressed quite well. The content on pages was relevant to the task, there might be minor inconsistencies or inline with assignment expectations.	Topic was addressed thoroughly. The content on pages was very coherent and relevant to the task, very minor inconsistencies or inline with assignment expectations.

GENERAL NOTES FOR ASSESSMENT TASKS

Content for Assessment Task papers should incorporate a formal introduction, main points and conclusion.

Appropriate academic writing and referencing are inevitable academic skills that you must develop and demonstrate in work being presented for assessment. The content of high-quality work presented by a student must be fully referenced within-text citations and a Reference List at the end. Kent strongly recommends you refer to the Academic Learning Support Workshop materials available on the Kent Learning Management System (Moodle). For details please click the link http://moodle.kent.edu.au/kentmoodle/mod/folder/view.php?id=3606 and download the file titled "Harvard Referencing Workbook". This Moodle Site is the location for Workbooks and information that are presented to Kent Students in the ALS Workshops conducted at the beginning of each Trimester.

Kent recommends a minimum of **FIVE (5)** references in work being presented for assessment. Unless otherwise specifically instructed by your Lecturer or as detailed in the Unit Outline for the specific Assessment Task, any paper with less than five (5) references may be deemed not meeting a satisfactory standard and possibly be failed.

Content in Assessment tasks that includes sources that are not properly referenced according to the "*Harvard Referencing Workbook*" will be penalised.

Marks will be deducted for failure to adhere to the word count if this is specifically stated for the Assessment Task in the Unit Outline. As a general rule there is an allowable discretionary variance to the word count in that it is generally accepted that a student may go over or under by 10% than the stated length.

GENERAL NOTES FOR REFERENCING

References are assessed for their quality. Students should draw on quality academic sources, such as books, chapters from edited books, journals etc. The textbook for the Unit of study can be used as a reference, but not the Lecturer Notes. The Assessor will want to see evidence that a student is capable of conducting their own research. Also, in order to help Assessors, determine a student's understanding of the work they cite, all in-text references (not just direct quotes) must include the specific page number(s) if shown in the original. Before preparing your Assessment Task or own contribution, please review this 'YouTube' video (Avoiding Plagiarism through Referencing) by clicking on the following link:

http://moodle.kent.edu.au/kentmoodle/mod/folder/view.php?id=3606

A search for peer-reviewed journal articles may also assist students. These type of journal articles can be located in the online journal databases and can be accessed from the Kent Library homepage. Wikipedia, online dictionaries and online encyclopaedias are acceptable as a starting point to gain knowledge about a topic but should not be over-used – these should constitute no more than 10% of your total list of references/sources. Additional information and literature can be used where these are produced by legitimate sources, such as government departments, research institutes such as the National Health and Medical Research Council (NHMRC),

or international organisations such as the World Health Organisation (WHO). Legitimate organisations and government departments produce peer reviewed reports and articles and are therefore very useful and mostly very current. The content of the following link explains why it is not acceptable to use non-peer reviewed websites (Why can't I just Google?):

https://www.youtube.com/watch?v=N39mnu1Pkgw - (thank you to La Trobe University for access to this video)

Student guide to using generative AI

Generative AI tools cannot be used for any assessments in this unit. In this unit, you must not use generative artificial intelligence (AI) to generate any materials or content in relation to your assessment. If you use AI to write your assessment: the value of the assessment would be diminished; you may not develop the required skills for your future studies or career; and you would be breaching academic integrity which may constitute academic misconduct.

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