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| **Subject Information** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Course** | | | | UEE60411 –Advance Diploma in Computer Systems Engineering | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Unit[s] of Competency** (If cluster list all units in cluster) | | | | UEENEED151A: Provide Programming Solution For Computer Systems Engineering Problems | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UEENEEE015B: Develop design brief for electro-technology projects | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **Assessment Information for Student** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Name of task** | | | | **PHP Major Assignment** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Type of task** | | | | | Assignment | | | | | | | **Task Number** | | | | | | | | | 4 | | | | of | | | | 4 | | |
| **Where you will work on your task** | | | | | The Gordon, in class | | | | | |  | | | | | | | | | | | | | | | | | | | | |
| **Time available to complete this assessment** | | | | |  | | | **Due date** | | | | | | | 19/11/2018 | | | | | | | | | | | | | | | | |
| **What you are required  to prepare, do or make** | | | | You are to build a Website using PHP / MySQL and HTML. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Specific Assessment requirements (if any)** | | | | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **What skills and knowledge you need to demonstrate** | | | | Writing intermediate and final documents in accordance with professional standards.  Using all key features of programming language.  Software terminology  Program development  Programming concepts | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Your assessor will provide these resources** | | | | A computer with WAMP, (PHP, MySQL and Apache) , editor, browsers, internet access, access to Gordon Online. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **You (the student) will need to provide these resources** | | | | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Before you start this task** | | | | Using a blue or black pen please complete the *Student Information* section on the Case study/Assignment Coversheet at the back of this assessment. Please write your full name (both first and last name), student identification number, date and sign the sheet.  Note: If questions are on Gordon online, your login is deemed as understanding and acceptance of the student rights and responsibilities and you do not need to complete the form. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **To submit this task** | | | | Please submit your assignment via Gordon Online, with the coversheet (on the last page) included. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **PHP Major Assignment** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| For this assessment task you are required to:-  PHP Major Assignment  Final Assignment Due**:** Tuesday Week 17 (November 19 2018).\*Marked to CM for Gordon  Proposal Due: October 15th 2018  Brief: You are to design a website using HTML, CSS and PHP that links to a database  You can choose from the following topics:   1. A Theatre information site that lists plays performed , playwrights, actors and gives some information on each and where they were performed 2. A gaming site that offers connection to a database of games that contain details of genre, producers, and short details on each one. 3. A movie site that offers users a library of movies, their directors, actors and a short description 4. A sports site that includes teams, players, information about the rules of the game, or other data pertinent to that sport. 5. A site that covers books and lists publishers, authors, titles, genre and short descriptions of each book.   \*Note that all the above examples are information sites, they are not expected to include e-commerce   * Note your site should link up with a database that has a similar structure to the one described in CSTools.   Alternatively you can build the CSTools site. CSTools The company sells computer hardware.   1. You have been asked to develop a site that links to a database to show customers the range of hardware that is available for purchase. 2. You will need to design an appropriate interface that shows consistency from page to page, and has the company logo on each page. The easiest way to do this is place it in a small banner at the top of the page- there is an example of a banner above. You can build your own. 3. You need the following pages: 4. **Index** 5. **Search for an item(or part)-(** customer types it in themselvesusing a form**)** 6. **Show all results.** 7. **Show results in categories (**offer a select list of categories**)** 8. **Contact Us** 9. **User request.** This page contains a form that must be validated.   It should include: Customer Name, Email, Postcode, service required, e.g. quote, maintenance request, etc. Validation may be done in either HTML5 or PHP.   1. **Reviews of the site**.   In addition there will be pages that are not available to the public, but allow authorized staff to alter the database and password settings ADMIN SECTION OF THE SITE **Admin­­\_login-** You will be required to login before you can access Admin index, add records, delete records, or update records. (Passwords in php, not JavaScript.)  **Admin\_Index**-this is a separate page from the public index page. It looks like the customer index, but it contains extra links to “Admin-only “areas.  **Admin\_addRecords-**to any table in the database, this can be done on separate pages for different tables if you wish.  **Admin\_updateRecords- in any table in the database.**  **View\_Items page**  **On CS tools this would be View new orders-(** orders after a date that can be typed in**)**  **A page that filters for all unfilled orders**  **A page that views accounts, with Customer Name and No.**  **Note**: the links for the admin access can be in a separate region of the page from the customer links.  **\*\* Remember file names should not contain spaces**. Some servers will not show them properly if they do. They may still function at a local level, so you need to be careful. Database Design. You will need to use PHP to build a MySQL relational database. The structure of the database is shown in the relationship diagram below. =  **Note for alternative topics, the three tables may contain different table names and fields.**  It is good practice to include a primary key in each table.    You are required to include 25 records in each table.  Make sure you have a good mix of items in your part table, so that searches reveal a good selection of results. Proposal- 5 marks You need to submit a design document, that shows the structure of your site, structure of your database, with Table and field names.   * Purpose of the site * Target Audience. * A site map. * Sample database structure (it may be different from the image above) If you are doing the hardware example, the above image of database structure is appropriate. * A sample layout.- wireframes for each page. * The accurate look of two pages (perhaps one from Admin and one from Customer side) Show full layout and colours. Take care with contrast.   E.g.  Header image  Links  Aside  Data   * A sample interface design for Index and Index Admin. * A data dictionary showing page, data to be collected, method of collection or display.   **This should be submitted as a document loaded onto Gordon Online** Finished Site – 40 marks The HTML/PHP site needs to be in a **SINGLE FOLDER**- (the one that you build it in). This should be zipped up and uploaded onto Gordon Online. This should include the forms that you used to build the database. They will be part of the Admin section of the site.  Documentation relating to the site can be submitted with a separate upload button. Documentation on Final Site- 10 marks  * You need to describe your design and your approach on each page. * Screen shots of the data that is shown when you submit a query should be pasted into a word file. Notate your screen shots to explain which page they came from and how it functions. * Explain how you set up the database and how you approached the coding and the HTML elements in the site.  You need to complete some tasks to attain competency and other tasks attract extra marks that go towards your Grade Point Average. Competency requires you to include all the compulsory items.Mark Break-down Knowledge Management- Assignment Marks Checklist.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Item/Section** | **Required/Optional** |  | **Possible Marks** | **Bonus Marks** | |  |  |  |  |  | | **Design** |  |  |  |  | | Layout | required | Placement of elements on the page,  Consistency from page to page | 4 |  | | Navigation | required | Is it intuitive to use. Is it fully functional? Are there extra elements for interactivity e.g. rollovers.(hover in CSS) | 4 |  | | Contrast and Clarity of Text | required | Make sure you check your text vs background against the contrast analyser.  Choose appropriate sans-serif fonts for the small text. | 4 |  | | Usability | required | Is it easy to use, do you need to hunt to find all the functions? Do the buttons work well? | 4 |  | | File Management | required | Are files logically organized within the site folder | 4 |  | |  |  |  |  |  | | **Admin requirements** |  |  |  |  | | Admin Login | required | Dynamic | 5 |  | | Admin Index | required | Static | 5 |  | | **Admin Update Record** |  |  |  |  | | Update First Table | required | Dynamic | 5 |  | | Update second Table | optional |  | 0 | 1 | | Update third Table | optional |  | 0 | 1 | | Admin Delete Records | Optional |  | 0 | 1 | | Admin Add records to at least one table | required |  | 5 |  | | Add records second table | optional |  | 0 | 2 | | Add records third table | optional |  | 0 | 1 | | View Orders/Items | Optional |  | 0 | 1 | | **Customer Requirements** |  |  |  |  | | Customer Index | required | Static Page | 5 |  | | Search for item | Optional | Dynamic |  | 1 | | Show all items | required | Dynamic | 5 |  | | Show categories | required | Dynamic | 5 |  | |  |  |  |  |  | |  |  |  |  |  | | Reviews | Optional | Static |  | 1 | | Contact | required | Contains validated form | 5 |  | | Request for service | optional | Static | 0 | 1 | | **Form Elements** |  |  |  |  | | Validation on | Required on login |  | 5 |  | | Function of PHP-does it call up what your need? |  | Are all elements included? Does the PHP function properly? | 10 |  | |  |  |  |  |  | |  |  |  | 75 | 10 | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Proposal** | Required | Includes all items listed above. Purpose, target audience, site map, database structure, sample layouts. | 5 |  |  |  |  |  |  | | --- | --- | --- | --- | | Documentation | Required | Includes all features listed above. | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Case Study/ Assignment Coversheet**  **Student Information** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Student’s Name** | |  | | | | | | | **Student ID No.** | | | | |  | |  | | | |  | |  |  | | | |  |  | |  |
| **Student Rights** | | If you have any questions about the assessment outcome you should firstly speak to your trainer. If this conversation does not resolve your concern, you can appeal the decision within ten working days of the date below by sending an email to **qualityassurance@gordontafe.edu.au** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Student Declaration** | | I certify that the work completed and submitted for this assessment task is my own work and that where other people’s work or contribution is part of this assessment, it has been clearly identified in the assessment and that person’s role or source of the information has been acknowledged. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Student’s Signature** | |  | | | | | | | **Date** | | | | |  | | | | | | | | | | | | | | | | |
| **Case Study/Assignment checklist (Assessor Use Only)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Performance and Knowledge to be addressed in this task** | | | | | | | | | | | | | | | | | | | **Satisfactory** | | | | | | | | | | | | |
| **Yes** | | | | | | | **No** | | | | | |
| 1. | Writing intermediate and final documents in accordance with professional standards. | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 2. | Using all key features of programming language. | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 3. | Software terminology | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 4. | Program development | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 5. | Programming concepts | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| 6. |  | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | |
| **Assessment Outcome (Assessor use only)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Attempt Number** | | | First submission | | | | Second submission | | | | | | Late submission | | | | | | | | | | | | | | | | | | |
| **Reasonable adjustment applied** | | | Not required   Yes (briefly describe) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Outcome** | | | Satisfactory | | | | Unsatisfactory | | | | | | | | | | | | | | | | | | | | | | | | |
| **Feedback** | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Assessor’s Name** | | |  | | | **Signature** | | | |  | | | | | | | **Date** | | | | | | |  | | | | | | | |