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| Task No. | 3 | Task Title | | Assessment Item 3 | | | | Due Date | 21/06/2019 | |
| Unit / Module details | | | | | | | | | | |
| Qualification/Course | | | Code | ICT60515 | Title | Advanced Diploma of Computer Systems Technology | | | | |
| Unit/Module | | | Code | ICTICT502 | Title | Develop detailed component specifications from project specifications | | | | |
| Assessment details | | | | | | | | | | |
| Assessor | | | Assessor’s name | | Vikram Behal | | Assessor’s phone | | | 03 9254 6130 |
|  | | | Assessor’s email | | vbehal@kangan.edu.au | | | | | |
| Elements / Learning outcomes | | | 1,2,3,4 | | | | | | | |
| Task overview*(see below for specific instructions and criteria)* | | | This assessment item requires students to work in individually and accomplish their task professionally and in time. It is their responsibility to inform/contact teacher if they need any clarification to accomplish this task. This assessment item is open book and students are required to do it in class. Allocated time for this assessment item is two hour.  Students are required to answer all questions. To be competent in this unit they need to answer all questions correctly.   1. Explain why it is important to analyse client requirements before designing/developing systems. 2. Explain why it is important to document all data base requirements 3. Explain why it is important to normalise your data 4. Explain how you will gather client requirements to design/develop system. 5. Explain why it is important to create database relationships before entering data 6. Explain why we should use technical diagrams while creating systems 7. Explain why it is important to have security plan for your database. 8. Students are required to explain how they can gather requirements to develop/design any system 9. Students are required to explain why it is important to use appropriate tool to design/develop systems/projects 10. Students are required to explain why it is important to do cost-benefit analysis   **Explain above at the end of this document under “Task Instructions and Student Work” .** | | | | | | | |
| Assessment conditions | | | * This information is to be handed to each student to outline the assessment requirements. * This is close book assessment and student can use all resources. * Students are required to submit their assessment item as a report along with assessment item description * This Assessment Item requires students to work individually and address all requirements as per Assessment instructions and criteria * Students are required to accomplish their task professionally and in time * Students must submit this Assessment item at MyLearning * Student must upload all files required for this assessment item at MyLearning * This assessment item is test and students are required to complete this assessment item in class. * Allocated time for this assessment item is one hour, however student can negotiate time with teacher under special circumstances * Read the Plagiarism policy and procedure carefully to understand the consequences that you could face if your work is plagiarized. * You plagiarize if you present other writers' words or ideas as your own. * You must use citations to document all ideas and significant information that are not your own. * Submit this document by the due date (penalties applies) * Insert your name and student id in the footer. | | | | | | | |
| Resources | | | Resources are available through MyLearning | | | | | | | |
| How to submit | | | Complete Assessment items as per assessment Item description and upload assessment item at MyLearning  All items submitted must be clearly marked with the following details:  • Your full name  • Your student number  • Your class group  • The date  This cover sheet must accompany all items submitted. | | | | | | | |

| Assessment instructions and criteria | | | |
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| With competency based assessment **all** assessment requirements for each assessment task must be assessed as satisfactory **(S)** for a competent **(CA)** result to be recorded. If an assessment result for any task is assessed as not satisfactory **(NS)** a resubmission will be required for the outstanding **(NS)** assessment task.  Rows can be deleted by left clicking to the left of the row and click *Backspace*  Rows can be added by left clicking to the left of the row and click *CTRL+C* and then *CTRL+V* | | | |
| **Instruction/Task** | **Criteria that you will be assessed on** | **S** | **NS** |
| Students are required to explain why it is important to analyse client requirements before designing/developing systems. | Student explained why it is important to analyse client requirements before designing/developing systems |  |  |
| Students are required to explain why it is important to document all data base requirements | Students explained why it is important to document all data base requirements |  |  |
| Students are required to explain why it is important to normalise your data | Student explained why it is important to normalise your data |  |  |
| Students are required to explain how they will gather client requirements to design/develop system | Student explained how they will gather client requirements to design/develop system |  |  |
| Students are required to explain why it is important to create database relationships before entering data | Student explained why it is important to create database relationships before entering data |  |  |
| Students are required to explain why we should use technical diagrams while creating systems | Students explained why we should use technical diagrams while creating systems |  |  |
| Students are required to explain why it is important to have security plan for your database. | Student explained why it is important to have security plan for your database. |  |  |
| Students are required to explain how they can gather requirements to develop/design any system | Student explained how they can gather requirements to develop/design any system |  |  |
| Students are required to explain why it is important to use appropriate tool to design/develop systems/projects | Student explained why it is important to use appropriate tool to design/develop systems/projects |  |  |
| Students are required to explain why it is important to do cost-benefit analysis | Student explained why it is important to do cost-benefit analysis |  |  |

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| Student details | | | | | | | | | | | |
|  | Student’s name | | | Benjamen Calleja | | Student’s ID | | | Cal14385330 | | |
| Unit/Module details | | | | | | | | | | | |
| Unit/Module | Code | | ICTICT502 | Title | Develop detailed component specifications from project specifications | | | | | | |
|  | Task title | | Assessment Item 3 | | | | | | | | |
| Assessment feedback / comments | | | | | | | | | | | |
| Click here to enter text. | | | | | | | | | | | |
| Re-submission (where applicable) | | | | | | | | | | | |
| Unsatisfactory tasks are to be re-submitted according to the details below. Type NA if not applicable. | | | | | | | | | | | |
| **Task (or component of task) to be re-submitted** | | **Additional evidence required** | | | | | **Re-Submission date** | | | **S** | **NS** |
| Task for re-submission | | Evidence | | | | | Date | | |  |  |
| Task for re-submission | | Evidence | | | | | Date | | |  |  |
| Task for re-submission | | Evidence | | | | | Date | | |  |  |
| Result for this assessment task | | | | | | | | | | | |
|  | Your final result for this unit will be provided on the ***Unit Result Record*** at completion of all assessment tasks | | | | | | | | | | |
|  | Result | | | Choose an item. | | | | | | | |
|  | Assessor’s signature | | |  | | | **Date** |  | | | |

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| Task Instructions and Student Work |

**Student must explain/answer under this section.**

Students are required to answer all questions. To be competent in this assessment item they need to answer all questions correctly.

This assessment item requires students to work in individually and accomplish their task professionally and in time. It is their responsibility to inform/contact teacher if they need any clarification to accomplish this task. This assessment item is open book and students are required to do it in class. Allocated time for this assessment item is two hour.

Students are required to answer all questions. To be competent in this unit they need to answer all questions correctly.

1. Explain why it is important to analyse client requirements before designing/developing systems.  
    **This process also helps you identify and resolve any conflicting requirements issues early on. Once you complete your analysis record it in writing. This then becomes the contract for the product/systems that will address allthe needs of your business/client.**
2. Explain why it is important to document all data base requirements  
   **Database documentation is important because it meets several needs. For example  
   it provides a common language betwwen busijess decision makers and it personnel two different breeds usually with no common language but with a shared ability to read a nice flow chart and discuss it.  
     
   Improves productivity of both newcomers and seasoned employeeys, reducing the likelihood of costly misunderstanding by providing a glossary of commonly used terms, and even naming conventions.**
3. Explain why it is important to normalise your data  
   **One of the biggest impacts of normalizing your data is reducing the number of duplicates in your database. Nomalizaing your data before matching and merging duplicates will make it easier to find the duplicates if you don’t**
4. Explain how you will gather client requirements to design/develop system.  
   **One on One interviews  
   the most common technique for gathering requirements is to sit down with the clients and ask them what they need. The discussion should be palnnes out ahead of time based on the type of requirements you’re looking for. There are many good ways to plan the interview.  
     
   Group interviews  
   Group interviews are similar to the one on one interview, except that more than one person is being interviewed usally up to four. These interviews work well when everyone is at the same level or has the same role.   
     
   Questionnaires  
   Questionnaires are a good tools to gather requierments from stakeholders in romote locations or those who will have only mirror input into the overall requierments. Questionnaires can also be used when you have to gather input from thousands of people.  
     
   Brainstorming  
   In this type of project simple brainstorming may be a starting point. Theappropriate subject matter experts get into a room and start creatively brainstorming what the solution might look like.**
5. Explain why it is important to create database relationships before entering data  
   **Before you build the database, it is important to take time to design it. A good design is the keystone to creating a system that does what you want it to do effectively, accurately, and efficiently.**
6. Explain why we should use technical diagrams while creating systems  
   **You can create technical diagrams to visually represent and develop the elements of a system or application. You can create diagrams and add elements and relationships to them. Sketches are simple, independent diagrams. Sketches can illustrate any business process or technology related concept at a high level abstraction.**
7. Explain why it is important to have security plan for your database.  
   **Database security for your database is essential to any company with any online component. Sufficient database security prevents data bring lost or compromised, which may have serious problems for the company both terms of finances and reputation. Database security places an obligation on your business to keep sensitive data stored correctly and used appropriately.  
   Databases that aren’t standardized and poorly maintained. By standardizing your data, and using a single organizational method with proper capitalization, your data will be significantly easier to sort through. Not to mention, you will save valuable time as they wont have to spend time sorting the data.**
8. Students are required to explain how they can gather requirements to develop/design any system  
   **In order to gather requierments to develop any system you first need to   
     
   establish project goals and objectives early> This step you need to get your stakeholders to sign off on it without clearly stated the goals and objectives you are lacking the guide to future decision making.  
     
   Document every requirements activity> It sounds obvious, but making sure that your are taking detailed notes during your stakeholder interviews is a major step in successful requierments gathering.  
     
   talk to the right stakeholders and users> Ask questions in your initial meetingsto try and get who the real users are. Often those people are not going to be the main decision makers. Disgruntled users who are forced to use a system veryday that was designed without their in put are a key for a failed project**
9. Students are required to explain why it is important to use appropriate tool to design/develop systems/projects  
   **The reason why it is important to use appropriate tools is because it ensures what is being delivered, is right, and will deliver real value againsr the business opportunity. Project management is important because it brings leadership and directions to project. Project managers enforce process and keep everyone on the team in line too.**
10. Students are required to explain why it is important to do cost-benefit analysis **One of the problems of CBA is that the computation of many componets of benefits and costs it intuitively obvious but that there are others for which intuition fails to suggest methods of measurement. Therefore some basic principles are needed as a guide.**