## Task 5 - IS Design Document ASSESSMENT

The following information should assist you completing Part 3 of the IS Design Document. Using the skills you have built in weeks 1-12, the Illustration tools in word 2007 and following the structure of the Research Analysis Report Template (provided in Digital Resources) complete your Data Requirements, Proposed Data Design, Solution Justification, Summary and Bibliography.

The Research Analysis Report Template provides an example of the type of information and the structure of the document, however the content should be taken from your own research including the information that you would have found by answering the questions below. Additionally, some information will have to de created/designed by you using other software tools such as Word, Excel and Access 2007. Additional information in your report could include images, charts tables, links and webpages/design drafts, where you feel these are necessary to provide required information to your client organisation.

1. **Data Requirements[[1]](#footnote-1)**
   1. Who are the data users that are internal and external to the project business?
   2. What data items are commonly accessed or transmitted through the various data flows within your organization?
   3. What data stores were identified in the DFDs and what data items do they store?
2. **Proposed Data Design[[2]](#footnote-2)**
   1. What sort of database software do you propose that the new information system be based around and why?
   2. Is this data central to the continued or efficient operation of the organization? Explain.
   3. What are the common entities that must be represented in any database solution (employees, customers, suppliers, products, orders, etc) that is created?
   4. What are the proposed table designs for each of the represented entities and how are they related or linked?
3. **Solution Justification[[3]](#footnote-3)**
   1. Why do you think that this design will best fulfil the requirements of the organization?
   2. What are the strengths of this design (what does it provide)?
   3. What are the weaknesses of this design?
   4. What opportunities will the adoption of this design present to the organization?
   5. What potential threats to the organization is there that must be addressed in the successful adoption of this design?
   6. Is it good value for money, time and resources? Why?
   7. What are your strongest arguments to the steering committee for adoption of this proposal?
4. **Summary[[4]](#footnote-4)**
   1. What requirements are met by the design that is documented here?
   2. What information was presented in this design proposal document?
5. **Bibliography[[5]](#footnote-5)**
   1. An enumerated list of relevant documents, books, web sites from which you have gained information that supports your design.
   2. Ensure that references are made in the document body to any other documents that are used to support this design.

## Marking Criteria:

|  |  |  |
| --- | --- | --- |
| Element | Marks | Description of Element |
| **Data Requirements** | 15 | List of probable data types (flows), including documents like receipts, orders, etc. Anything that gives evidence of the student’s understanding of how information flows around the organization is sufficient to attract marks for this section |
| **Proposed Data Design** | 20 | Evidence of thought into database design and performance based upon their organizational limits and requirements. A list of tables, database type or brand, and some arguments for their choice based upon business operation. |
| **Solution Justification** | 35 | Overview of ability of student to justify their design based upon principals covered in class and on their own experience and research. |
| **Conclusion** | 20 | * Summary of the requirements and design proposal that meet the design brief presented in the document * Recommendations – what should be done next |
| **Bibliography** | 10 | * Article & Reference   + Appropriate article for business; and   + Complete bibliographic information provided.   + Reference format (APA only) * Presentation   + Using a business/professional presentation style (As per Analytical Report sample) |

Total Marks will be divided by 5 to give a mark out of 20.

## Submission:

You are required to submit this document in SafeAsign in the submissions folder. SafeAsign checks that you have not copied (without referencing) any material that you have used.

Once marked and moderated, your results can be viewed by clicking on the ‘My Grades’ link in the blackboard.

1. SA&D Ch 5 [↑](#footnote-ref-1)
2. SA&D Ch 9 [↑](#footnote-ref-2)
3. Web Resources (Exercises & Additional Material) [↑](#footnote-ref-3)
4. Web Resources (Exercises & Additional Material) [↑](#footnote-ref-4)
5. Web Resources (Exercises & Additional Material) – APA Referencing Style [↑](#footnote-ref-5)