



## GROUP ASSIGNMENT TRIMESTER 3, 2022

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Student Id Number

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Student Name

SUBJECT NAME: *Accounting Information Systems*

SUBJECT CODE: *MAC002A*

DUE DATE: *Sunday Week 11*

### INSTRUCTIONS FOR STUDENTS:

- Clearly write your name, your group member's names and id when you submit your report.
- Only one submission per group is needed.
- There is a word limit of 2500 words including references. •
- Submit your Turnitin report along with your submission
- This assignment is worth 25% (15% + 10% presentation)

### Aim:

The purpose of this group assignment is to make familiar students with the key business processes within organisations, the role and operation of information systems in supporting these business processes and data analytics using various tools.

### Learning Objectives:

Part A focuses on:

- Describe the role of information systems in today's competitive business environment with particular focus on accounting information systems.
- To help better understand how technology can facilitate:
  - effective and efficient management of an organisation;
  - Business processes within an organisation in a digital economy.
- Examine the part played by various information systems in the decision-making process at the different levels of an organisation.
- Systems Documentation (draw diagrams and flowcharts of a system based on narration);
- Internal Controls Assessment (assess based on narration, identify on a flowchart and explain using templates provided);
- Use of software visualisation tools to develop executive dashboards and

Part B

- Computer fraud, abuses techniques and cybersecurity (assess and make recommendations).

Students will be assessed on the quality, completeness, accuracy, correctness, relevance and viability of your proposed solutions relative to the business case. Students will also be assessed on written communication and presentation.

**Requirements:**

You should form groups of three (3) to four (4) students and attempt both the Parts. Part A is due on Sunday Week 11 and presentation of Part B would be in class on Week 11. You are required to submit report on Part A only.

## Part A

### **1: Case Study 01: (20 marks)**

Prescott Dolls sells porcelain dolls exclusively at antique shows. Prescott Dolls purchases inventory from individuals at garage sales, flea markets, antique malls, and estate sales. Each time the owner, Dahlia Prescott, makes a purchase, she records the person's name, address, date, specific items purchased and price paid, and total amount spent. Later at home, Dahlia cleans, researches, and prices the inventory for sale to customers. She assigns an inventory number to each item and records the 'asking' price. Dahlia buys price tags and display supplies from a company that sells at flea markets and antique shows. All inventory and supplies purchases are immediately paid for using cash or with company checks from a bank account in Prescott Dolls' name. Cash received from customer sales are also deposited in this account. Three times a year, Dahlia rents a booth at antique shows. A deposit is always required, with the balance due at the start of the show. Dahlia records the deposit and final payment, along with the show organizer's name and address, in the same worksheet on which she records purchases of inventory and supplies.

**Required:**

Create a **context diagram** and a **REA diagram** for Prescott Dolls, related to purchasing inventory and supplies, renting booths, and paying for all items

### **2: Data analysis and visualisation using Power Bi: (40 marks)**

This task requires you to create a customised report with the following three pages:

- a) Overview page showing sales and pretax profit by year;
- b) Total assets by year
- c) Income tax expense and Tax paid in cash by year

Please use the data file embedded in the assignment.

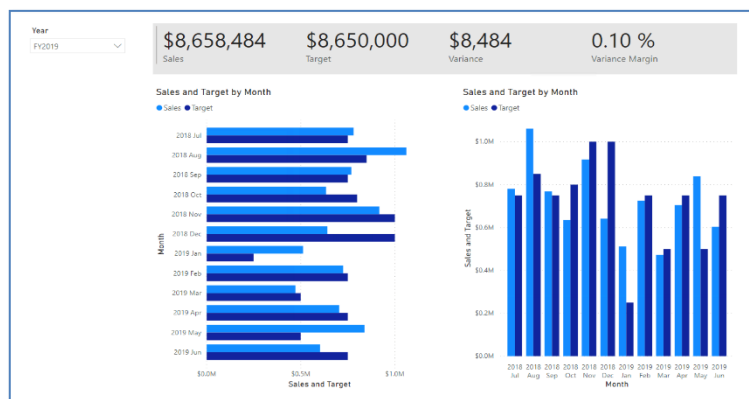


Power bi data.xlsx

When you've completed the task the outcome will look like close to the following but not necessarily the same. It is just for your guidance to evaluate whether you are doing it correctly or not. Also since it is all local sales with no overseas sales so your sales by country visulisations will look different.



For part (b) and (c) in the below image instead of sales and target by month, **prepare visulisations for Total assets and income tax vs cash tax paid by year.**



Please use Microsoft Power Bi guide to understand various steps in visulisations



Power-bi-dashboar  
d guide.pdf



PowerBI\_Dashboar  
ds\_TrainingManual.1

## **Part B**

### **Computer frauds and cyberattacks (10 marks)**

Australian telecoms giant Optus came under more fire from the government recently for a massive cyber breach, an account called 'optusdata' in an online forum, believed by cybersecurity experts to be that of the hackers, had threatened to publish the data of 10,000 Optus customers per day unless they received \$1 million in cryptocurrency.

Discuss this cyberattack in the light of following headings:

1. How this attack has been perpetrated, who was/were behind the attack and what were their motives.
2. What could be the possible consequences of this data breach on consumers?
3. How to prevent these types of attacks in future.
4. What actions should government and law enforcement agencies should take to prevent these types of attack in future.

**Make a power point presentation on Part B to be presented in class by each member of group on Week 11.**

**END OF ASSIGNMENT**

<b>Assessment Criteria</b>	<b>Fail (Unacceptable) 0-49%</b>	<b>Pass (Functional) 50-64%</b>	<b>Credit (Proficient) 65-74%</b>	<b>Distinction (Advanced) 75 -84%</b>	<b>High Distinction (Exceptional) 85-100%</b>
<p>Knowledge and understanding (technical and theoretical knowledge)</p> <p><b>20 %</b></p>	<p>Limited understanding of required concepts and knowledge. Key components of the assignment are not addressed.</p> <p><b>0 – 5.5 Marks</b></p>	<p>Knowledge or understanding of the field or discipline. Resembles a recall or summary of key ideas. Often confuses assertion of personal opinion with information substantiated by evidence from the research/course materials.</p> <p><b>6 – 7.5 Marks</b></p>	<p>Thorough knowledge or understanding of the field or discipline/s. Supports personal opinion and information substantiated by evidence from the research/course materials. Demonstrates a capacity to explain and apply relevant concepts.</p> <p><b>8 – 8.5 Marks</b></p>	<p>Highly developed understanding of the field or discipline/s. Discriminates between assertion of personal opinion and information substantiated by robust evidence from the research/course materials and extended reading. Well demonstrated capacity to explain and apply relevant concepts.</p> <p><b>9 – 9.5 Marks</b></p>	<p>A sophisticated understanding of the field or discipline/s. Systematically and critically discriminates between assertion of personal opinion and information substantiated by robust evidence from the research/course materials and extended reading. Mastery of concepts and application to new situations/further learning.</p> <p><b>10 -12 Marks</b></p>
<p>Evaluation of information selected to support the case study</p> <p><b>60%</b></p>	<p>Limited understanding of key concepts required to support the case study. Confuses logic and emotion. Information taken from reliable sources but without a coherent analysis or synthesis. Viewpoints of experts are taken as fact with little questioning.</p> <p><b>0 – 17.5 Marks</b></p>	<p>Resembles a recall or summary of key ideas. Often conflates/confuses assertion of personal opinion with information substantiated by evidence from the research/course materials. Analysis and evaluation do not reflect expert judgement, intellectual independence, rigor and adaptability.</p> <p><b>18 - 23 Marks</b></p>	<p>Supports personal opinion and information substantiated by evidence from the research/course materials. Demonstrates a capacity to explain and apply relevant concepts. Questions viewpoints of experts.</p>	<p>Discriminates between assertion of personal opinion and information substantiated by robust evidence from the research/course materials and extended reading. Well demonstrated capacity to explain and apply relevant concepts. Viewpoint of experts are subject to questioning. Analysis and evaluation reflect growing judgement, intellectual independence, rigor and adaptability.</p>	<p>Systematically and critically discriminates between assertion of personal opinion and information substantiated by robust evidence from the research/course materials and extended reading. Information is taken from sources with a high level of interpretation/evaluation to develop a comprehensive critical analysis or synthesis. Identifies gaps in knowledge.  Exhibits intellectual independence, rigor, good judgement and adaptability.</p>

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			<b>23.5 - 26.5 Marks</b>	<b>27- 30.5 Marks</b>	<b>31- 36 Marks</b>
Effective Communication  <b>10 %</b>	Difficult to understand, no logical/clear structure, poor flow of ideas, argument lacks supporting evidence. Line of reasoning is often difficult to follow.  <b>0 – 2.95 Marks</b>	Information, arguments and evidence are presented in a way that is not always clear and logical. Line of reasoning is often difficult to follow.  <b>3 – 3.45 Marks</b>	Information, arguments and evidence are well presented, mostly clear flow of ideas and arguments. Line of reasoning is easy to follow.  <b>3.5 – 4.45 Marks</b>	Information, arguments and evidence are very well presented; the communication is logical, clear and well supported by evidence.  <b>4.5 - 5 Marks</b>	Expertly presented; the communication is logical, persuasive, and well supported by evidence, demonstrating a clear flow of ideas and arguments  <b>5.5- 6 Marks</b>
Correct citation of key resources and evidence  <b>10 %</b>	Demonstrates inconsistent use of good quality, credible and relevant resources to support and develop ideas.  <b>0 – 2.95 Marks</b>	Demonstrates use of credible and relevant resources to support and develop ideas, but these are not always explicit or well developed.  <b>3 – 3.45 Marks</b>	Demonstrates use of high quality, credible and relevant resources to support and develop ideas.  <b>3.5 – 4.45 Marks</b>	Demonstrates use of good quality, credible and relevant resources to support and develop arguments and statements. Shows evidence of wide scope within the organisation for sourcing evidence  <b>4.5 - 5 Marks</b>	Demonstrates use of high-quality, credible and relevant resources to support and develop arguments and position statements. Shows evidence of wide scope within and without the organisation for sourcing evidence  <b>5.5- 6 Marks</b>