FIT3003
Major Assignment

SEMESTER 2 2022 (WEIGHT = 20%)

COMPLETED BY

Jason Ching Yuen, SIU (31084222)
Patty Pei Chi, HUNG (29302951)

Contribution Declaration Form
(to be completed by all team members)

Please fill in the form with the contribution from each student towards the assignment.

1 NAME AND CONTRIBUTION DETAILS

Student ID	Student Name	Contribution Percentage
31084222	Jason Ching Yuen Siu	50%
29302951	Pei Chi Hung (Patty)	50%

2 DECLARATION

We declare that:

- The information we have supplied in or with this form is complete and correct.
- We understand that the information we have provided in this form will be used for individual assessment of the assignment.

3 SIGNATURE

Signatures

Jason Ching Yuen Siu

Pei-Chi Hung

Date

Day Month Year

09 / 10 /2022

MONASH University
Information Technology

GROUP ASSIGNMENT COVER SHEET

Student ID Number	Surname	Given Names
31084222	Siu	**Jason Ching Yuen**
29302951	Hung	**Pei-Chi**

***** Please include the names of all other group members.

Unit name and code	***FIT3003 - Business intelligence and data warehousing***	
Title of assignment	FIT3003 Major Assignment	
Lecturer/tutor	Bao and Arif	
Tutorial day and time	Thursday, 6-8 pm	**Campus** Clayton
Is this an authorised group assignment?	☐ **Yes** ☐ **No**	
Has any part of this assignment been previously submitted as part of another unit/course?	☐ **Yes** ☐ **No**	
Due Date 12/10/22	**Date submitted Before 12/10/22**	

All work must be submitted by the due date. If an extension of work is granted this must be specified with the signature of the lecturer/tutor.

Extension granted until (date) ..... Signature of lecturer/tutor .....

Please note that it is your responsibility to retain copies of your assessments.

Intentional plagiarism or collusion amounts to cheating under Part 7 of the Monash University (Council) Regulations

Plagiarism: Plagiarism means taking and using another person's ideas or manner of expressing them and passing them off as one's own. For example, by failing to give appropriate acknowledgement. The material used can be from any source (staff, students or the internet, published and unpublished works).

Collusion: Collusion means unauthorised collaboration with another person on assessable written, oral or practical work and includes paying another person to complete all or part of the work.

Where there are reasonable grounds for believing that intentional plagiarism or collusion has occurred, this will be reported to the Associate Dean (Education) or delegate, who may disallow the work concerned by prohibiting assessment or refer the matter to the Faculty Discipline Panel for a hearing.

Student Statement:

- I have read the university's Student Academic Integrity Policy and Procedures.
- I understand the consequences of engaging in plagiarism and collusion as described in Part 7 of the Monash University (Council) Regulations http://adm.monash.edu/legal/legislation/statutes
- I have taken proper care to safeguard this work and made all reasonable efforts to ensure it could not be copied.
- No part of this assignment has been previously submitted as part of another unit/course.
- I acknowledge and agree that the assessor of this assignment may for the purposes of assessment, reproduce the assignment and:
  - i. provide to another member of faculty and any external marker; and/or
  - ii. submit it to a text matching software; and/or
  - iii. submit it to a text matching software which may then retain a copy of the assignment on its database for the purpose of future plagiarism checking.
- I certify that I have not plagiarised the work of others or participated in unauthorised collaboration when preparing this assignment.

Signature ..... *Date*……

* delete (iii) if not applicable

Signature ____Jason Ching Yuen Siu _____ Date:_____9/10/2022_____

Signature ____Pei-Chi Hung_____ Date:_____ 9/10/2022_____

Signature _____Date:_____ Signature _____Date:_____

Signature _____Date:_____ Signature _____Date:_____

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Privacy Statement
The information on this form is collected for the primary purpose of assessing your assignment and ensuring the academic integrity requirements of the University are met. Other purposes of collection include recording your plagiarism and collusion declaration, attending to course and administrative matters and statistical analyses. If you choose not to complete all the questions on this form it may not be possible for Monash University to assess your assignment. You have a right to access personal information that Monash University holds about you, subject to any exceptions in relevant legislation. If you wish to seek access to your personal information or inquire about the handling of your personal information, please contact the University Privacy Officer: privacyofficer@adm.monash.edu.au

Item	Jason Ching Yuen Siu	Hung Pei Chi
C1 Data Warehouse Design and Transformation		
ER Diagram	Together	Together
Data Cleaning	3 problems / 5 problems	2 problems / 5 problems
Star Schema Version-1 with explanation on difference	Wrote this	
Star Schema Version-2 with explanation on difference		Wrote this
Determinant dimension explanation	Wrote this	
Temporal dimension explanation		Wrote this
C2 Star/Snowflake Implementation		
Star Schema Version-1 implementation	Together	Together
Star Schema Version-2 implementation	Together	Together
C3 Reports using OLAP Queries		
OLAP Reports (Reports 1 to 4)	Together, in charge of report 1 and 2	Together, in charge of report 3 and 4
Report with Roll up and Partial Roll up (Reports 5 to 6)	Wrote this	
Report with Moving and cumulative aggregates (Reports 7 to 8)		Wrote this
C4 BI Reports&dashboard		
A dashboard with report 2 and 4	Completed this	
A dashboard with report 7 and 8		Completed this
C5 Final Recommendations/Suggestions		
Final suggestion	Make interpretation	Summarise the data statistics
MISC		
Report formatting	Together, in charge of this	Together, in charge of this
Code double-checking	Together	Together, in charge of this