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**Table of Contents**

[Data Schema 4](#_Toc128918487)

[Entity Relationship Diagram (ERD) 4](#_Toc128918488)

[Database Diagram 5](#_Toc128918489)

[SQL-Data Definition Language (DDL) 6](#_Toc128918490)

[Tables and Query statements 6](#_Toc128918491)

[Publisher 6](#_Toc128918492)

[Book 7](#_Toc128918493)

[Genre 8](#_Toc128918494)

[Book Genre Bridge 9](#_Toc128918495)

[Bookstore\_Order 10](#_Toc128918496)

[Book\_BSOrder\_Bridge 11](#_Toc128918497)

[Member 12](#_Toc128918498)

[Payment 13](#_Toc128918499)

[Shopping\_Cart 14](#_Toc128918500)

[Member\_order 15](#_Toc128918501)

[Review 16](#_Toc128918502)

[Rating 17](#_Toc128918503)

[Member\_order\_detail 18](#_Toc128918504)

[SQL-Data Manipulation Language (DML) 19](#_Toc128918505)

[Student 1 (Adleena – TP065322) 19](#_Toc128918506)

[Student 2 (Soo Jiun Guan – TP068687) 21](#_Toc128918507)

[Student 3 (Ng Shao Hwa – TP065019) 23](#_Toc128918508)

[Student 4 (Soong Yau Joe – TP068977) 25](#_Toc128918509)

[Workload Matrix – Part 2 27](#_Toc128918510)

# Data Schema

## Diagram, engineering drawing Description automatically generatedEntity Relationship Diagram (ERD)

## Database Diagram

Diagram

Description automatically generated

# SQL-Data Definition Language (DDL)

## Tables and Query statements

### Publisher

Query Statement:

Scatter chart

Description automatically generated

Table:

Text

Description automatically generated

### Book

Query Statement:

Chart, scatter chart

Description automatically generated

Table:

Table

Description automatically generated with medium confidence

### Genre

Query Statement:

Graphical user interface, application

Description automatically generated

Table:

A picture containing graphical user interface

Description automatically generated

### Book Genre Bridge

Query Statement:

Text

Description automatically generated

Table:

Graphical user interface, application, Word

Description automatically generated

### Bookstore\_Order

Query Statement:

Graphical user interface, application

Description automatically generated

Table:

Graphical user interface, application

Description automatically generated

### Book\_BSOrder\_Bridge

Query Statement:

Graphical user interface, text, application, email

Description automatically generated

Table:

Graphical user interface, application

Description automatically generated

### Member

Query Statement:

Chart, scatter chart

Description automatically generated

Table:

Graphical user interface

Description automatically generated with medium confidence

### Payment

Query Statement:

Chart, scatter chart

Description automatically generated

Table:

Graphical user interface, application

Description automatically generated

### Shopping\_Cart

Query Statement:

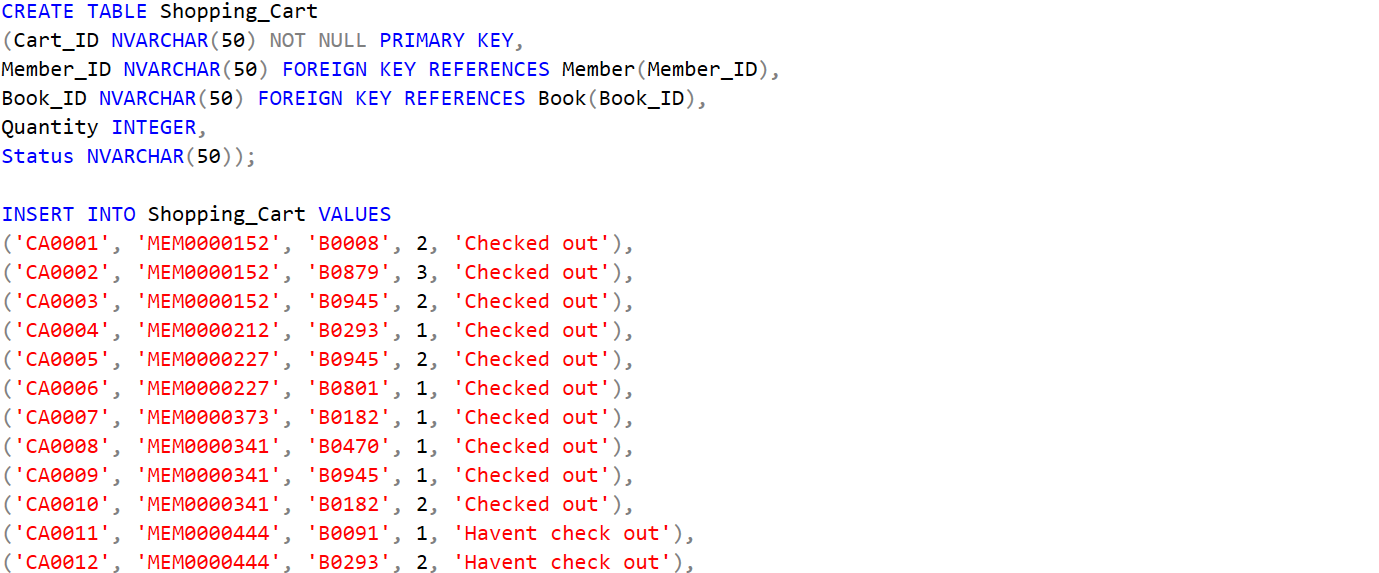


Table:

Graphical user interface, application

Description automatically generated

### Member\_order

Query Statement:

Scatter chart

Description automatically generated

Table:

Graphical user interface, text, application

Description automatically generated with medium confidence

### Review

Query Statement:

Text

Description automatically generated with medium confidence

Table:

Graphical user interface, application

Description automatically generated

### Rating

Query Statement:

Scatter chart

Description automatically generated

Table:

Graphical user interface, text, application

Description automatically generated with medium confidence

### Member\_order\_detail

Query Statement:

Graphical user interface, text

Description automatically generated

Table:

Graphical user interface, text, application

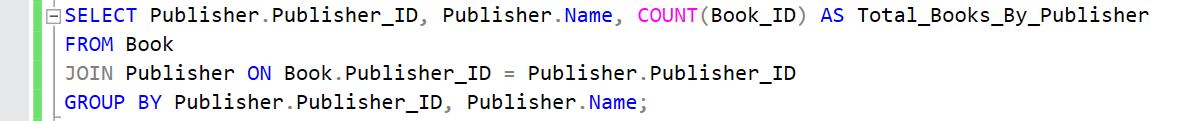
Description automatically generated

# SQL-Data Manipulation Language (DML)

## Student 1 (Adleena – TP065322)

i. Find the total number of books published by each publisher. Show publisher id, publisher name, and number of books published.

Query Statement:



Result:

Graphical user interface, application, Teams

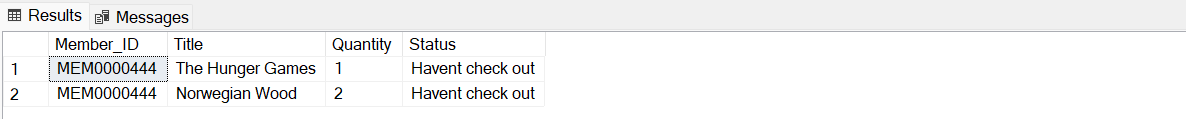
Description automatically generated

ii. Show the books in the shopping cart for each member which have not been check-out

Query Statement:

A picture containing text

Description automatically generated

Result: 

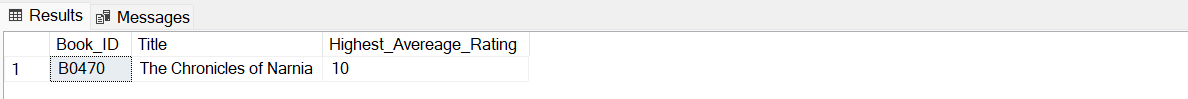
iii. List the book(s) which has the highest average rating. Show book id, book name, and the rating.

Query Statement:

Graphical user interface, text, application

Description automatically generated

Result:



## Student 2 (Soo Jiun Guan – TP068687)

iv. Find the total number of feedbacks per member. Show member id, member name, and total number of feedbacks per member.

Query Statement:

Graphical user interface, text, application, Word

Description automatically generated

Result:

Graphical user interface, text, application, Word

Description automatically generated

v. Find the publisher who published the most number of books.

Query Statement:

Text

Description automatically generated

Result:

Word

Description automatically generated

vi. Find the total number of books ordered by store manager from each publisher.

Query Statement:

Graphical user interface, text, application

Description automatically generated

Result:

Graphical user interface, text, application

Description automatically generated

## Student 3 (Ng Shao Hwa – TP065019)

vii. Find the genres of the book which has the most number of book quantity in stock.

Query Statement:

Text

Description automatically generated

Result:

Graphical user interface, text, application

Description automatically generated

viii. Find the bestselling book(s).

Query Statement:

Graphical user interface, text

Description automatically generated

Result:

Graphical user interface, application, table

Description automatically generated

ix. Show the member(s) who spent most on buying books.

Query Statement:

Text

Description automatically generated

Result:

Graphical user interface, application

Description automatically generated

## Student 4 (Soong Yau Joe – TP068977)

X. Show the members who had not make any order.

Table

Description automatically generated

XI. A list of purchased books that have not been delivered to members.

Table

Description automatically generated

XII. Show the members who made more than 2 orders.

Graphical user interface, text, application

Description automatically generated

# Workload Matrix – Part 2

