IS455 – Database Design & Prototyping
Instructor: Kevin Trainor
Assignment: Final Project
Course Component: Final Project
Grading Rubric

Submission

Timeliness (5 available points)

Requirements
Must be submitted by date and time indicated in the weekly schedule.

Percent Credit	Description
100	On Time
0	Late
0	Not submitted or submitted too late

File Submitted (5 available points)

Requirements
Project submission must be in a gradable state upon first submission. Deduction will be made for students who must resubmit their work due to an ungradable prior submission.
Submit only 1 file.
File type must be .ZIP.
Submitted file must be named according to the instructions (e.g. surname_givenname_final_project.zip).
Directory must be named according to the instructions (e.g. surname_givenname_final_project).
.SQL files within the directory must be named according to the instructions.

Percent Credit	Description
100	Meets all expectations.
50	Meets nearly all expectations.
0	Does not meet expectations.
0	Not submitted or submitted too late.

The Database

Physical Database Implementation (10 available points)

Requirements
All tables from logical design implemented.
All relationships from logical design implemented using foreign key constraints.
Primary keys from logical design identified and constrained.
Foreign keys from logical design identified and constrained.
All column data types from logical design implemented
Columns allow NULL values only when appropriate.
AUTO_INCREMENT feature used for appropriate primary key columns.
UNIQUE column constraint used for non-primary-key fields where appropriate. This is particularly important for name columns on lookup tables.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Populate Test Data (5 available points)

Requirements
All test data provided must have been properly loaded to create a properly populated database.
Missing data values represented as NULL.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

The SQL Scripts

01_restore_populated_www_database.sql (5 available points)

Requirements
Includes a proper combination of DROP DATABASE and CREATE DATABASE commands to insure that the script will run properly whether or not there is a pre-existing copy of the database on this server.
Names database schema "www".
Inserts data into tables for testing.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

02_phone_list.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Produces expected result set.
Result set has the required number of rows.
Result set has required columns in the required order.
Result set has appropriate column names.
Rows in result set are sorted in required order using ORDER BY.
JOINs use the explicit join syntax in the FROM clause rather than the implicit join syntax implemented in the WHERE clause.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

03_guide_roles_list.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Produces expected result set.
Result set has the required number of rows.
Result set has required columns in the required order.
Result set has appropriate column names.
Rows in result set are sorted in required order using ORDER BY.
JOINs use the explicit join syntax in the FROM clause rather than the implicit join syntax implemented in the WHERE clause.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

04_employee_availability_list.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Produces expected result set.
Result set has the required number of rows.
Result set has required columns in the required order.
Result set has appropriate column names.
Rows in result set are sorted in required order using ORDER BY.
JOINs use the explicit join syntax in the FROM clause rather than the implicit join syntax implemented in the WHERE clause.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

05_booking_summary.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Produces expected result set.
Result set has the required number of rows.
Result set has required columns in the required order.
Result set has appropriate column names.
Rows in result set are sorted in required order using ORDER BY.
JOINs use the explicit join syntax in the FROM clause rather than the implicit join syntax implemented in the WHERE clause.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

06_trip_roster.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Produces expected result set.
Result set has the required number of rows.
Result set has required columns in the required order.
Result set has appropriate column names.
Rows in result set are sorted in required order using ORDER BY.
JOINs use the explicit join syntax in the FROM clause rather than the implicit join syntax implemented in the WHERE clause.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

07_trip_detail_sheet.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Produces expected result set.
Result set has the required number of rows.
Result set has required columns in the required order.
Result set has appropriate column names.
Rows in result set are sorted in required order using ORDER BY.
JOINs use the explicit join syntax in the FROM clause rather than the implicit join syntax implemented in the WHERE clause.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

08_trip_assignments_view.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Creates a view named trip_assignments_view
JOINs in the view use the explicit join syntax in the FROM clause rather than the implicit join syntax implemented in the WHERE clause.
View produces the expected result set.
Includes a SELECT that uses the named view.
SELECT produces expected result set.
SELECT result set has the required number of rows.
SELECT result set has required columns in the required order.
SELECT result set has appropriate column names.
Rows in SELECT result set are sorted in required order using ORDER BY.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

09_add_a_new_reservation.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Hard coded key values produce expected results when scripts are run in proper order.
Scripts include a series of SQL statements that maintain database referential integrity.
Scripts produce required results in the database.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

10_transfer_a_reservation.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Hard coded key values produce expected results when scripts are run in proper order.
Scripts include a series of SQL statements that maintain database referential integrity.
Scripts produce required results in the database.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

11_delete_a_reservation.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Hard coded key values produce expected results when scripts are run in proper order.
Scripts include a series of SQL statements that maintain database referential integrity.
Scripts produce required results in the database.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

12_add_a_new_employee.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Hard coded key values produce expected results when scripts are run in proper order.
Scripts include a series of SQL statements that maintain database referential integrity.
Scripts produce required results in the database.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

13_delete_an_existing_employee.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Hard coded key values produce expected results when scripts are run in proper order.
Scripts include a series of SQL statements that maintain database referential integrity.
Scripts produce required results in the database.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

14_add_a_new_trip.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Hard coded key values produce expected results when scripts are run in proper order.
Scripts include a series of SQL statements that maintain database referential integrity.
Scripts produce required results in the database.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

15_delete_an_existing_trip.sql (5 available points)

Requirements
Includes USE www;
Use the beautify feature of the MySQL Workbench to pretty-print your code.
Hard coded key values produce expected results when scripts are run in proper order.
Scripts include a series of SQL statements that maintain database referential integrity.
Scripts produce required results in the database.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Total Available Points = 100