ACS-2814-002 Assignment #3

Due by March, 21, 2019

Submit your responses to the questions below via an email to: acs2814lab@gmail.com

Use the sample University database found in (http://ion.uwinnipeg.ca/~ychen2/access2814/As2.accdb).

Create a hierarchy of forms (shown below) in your database.

Menu

Queries

Reports

Data

Management

Low enrollment

by Dept.

Class lists

Students

enrollment

Section

Q1

Q2

Q3

Details:

1. The menu-form has 3 controls:

- 1 label to hold the name of the form

- 3 buttons to open 3 forms named Reports, Queries, and Data Management, respectively.

- 1 button to close the application

2. Include the following 3 queries in the Query-form:

a) Query1:

Design a crosstab query that results in a table that shows the number of students enrolled per term for each department.

b) Query2:

List all courses with section numbers 750-759 or 050-059. Display the columns course title, deptID, courseNo, and sectionNo (le to right) but sorted ascending by deptID then course title.

c) Query3:

List the section id for any sections where both students X and Y are enrolled i.e. the system prompts the user for 2 student IDs and lists all courses that they are taking together. Display the deptID, courseNo, sectionNo and course title.

Query-form has 4 controls:

- 1 label to hold the name of the form

- 3 buttons to open a query; provide meaningful names for each

- 1 button to close the Query form

3. Including two reports (generated by the Reports Wizard) in the report-form:

a) Low Enrollment by Department: Design a query that prompts the user for departmentID and displays a list of courses for the given department where the number of students enrolled is less than 6. Create a report based on this query.

b) Class Lists Design a report based on the relaonship between Section and Student. Each section should list deptID, CourseNo and SectionNo, in that order. Each student in each section should be listed alphabetically by last name then ﬁrst name.

Report-form has 4 controls:

- 1 label to hold the name of the form

- 2 buttons to open each of the forms a) and b); provide meaningful names for each.

- 1 button to close the Reports form

4. Including two forms (generated by the forms wizard: Student, Enrollment and Section) in the Data-Management-form:

- Each form contains 3 buttons: to add a record, delete a record and close each form

- Add yourself as a student to a section of your choice through the new form

 Data-Management-form has 5 controls:

- 1 label to hold the name of the form

- 3 buttons to open each of the Student, Enrollment, and Section forms

- 1 button to close the Data Management form