(200 points)

For this assignment, you will design and develop **INTERACTIVE PROTOTYPES** for authorized primary actors of the ***Request For Quote (RFQ) System***. You may use MS Access, PHP/MySQL (on the *cs.niu* web server), or an instructor-approved tool to complete this assignment.

PART-1. Input Screen Designs and Prototypes *(100 points)*
Choose one of the following options:
Option A.   Develop <u>interactive prototypes</u> for the following input screens based on your low-fidelity prototypes that you completed in assignment #3.   For this option, you will need to create RFQ and RFQ-Detail tables and populate them with sample data in order for you to have RFQ objects with values to be used in PART-2 of this assignment. You will need to create at least 15 RFQ objects to show on your RFQ status report.
1.   Create New Customer Account (Input Screen Design) – *50 points*
2.   Create New Inventory Part (Input Screen Design) – *50 points*

Option B.   Develop <u>interactive prototypes</u> for the following input screen(s) based on your low-fidelity prototypes that you completed in assignment #3. For this option, you will need to create the customer account and the inventory part tables and populate them with sample data in order for you to have the required objects with data to be used when creating a new RFQ. Remember that an RFQ object a container object. You will need to create at least 15 RFQ objects to show on your RFQ status report – SEE PART-2 BELOW.
1.   Create New RFQ (Input screen design for an Auto-Quote Customer Account type only.) Note that an RFQ must have one or more detail lines, each line represents part information and how much (i.e. order quantity) to be purchased by the customer. The structure is very similar to a Purchase Order object that we saw a sample during our class discussions. – *100 points*

PART-2. Generate and Produce Report Designs *(100 points)*
Develop <u>interactive prototypes</u> for the associated primary actors. For information that you need on the report, but you did not create an input screen design to capture the data, you may create a table in the backend to store sample data to show on your report.
1.   Generate RFQ status Report (for screen)
2.   Produce RFQ Status Report (for screen and file to be saved and/or printed). Your report must contain a minimum of 15 or more RFQs.

What to Submit: By the due date and time, each student (including students working in a group) must submit BOTH of the following items for grading.
1.   Submit a <u>printed copy</u> of each screen and output of your prototypes at the beginning of class on the due date. If you work in a group, submit one printed copy with both team member names clearly printed.

2.   Submit a <u>file copy</u> of Item #1 AND one of the following on Blackboard:
   1.   If you are using PHP/MySQL), submit a file containing the full URL to your prototypes (for PHP/MySQL). If you use passwords, indicate the passwords required to test your work.
   2.   If you use MS Access, submit the "***.accdb***" file (for MS Access), including any password required to test your work.