PRG521_SA-Section2

Started: May 6 at 9:08am

Quiz Instructions

Use the given scenario to develop an application to be used in a company called CtuLogistics. Visual studio - C# should be used as a development platform.

Instructions:

- *Recall to keep a copy of all submitted assignments.*
- *All work must be typed using Microsoft Word and convert the word document to PDF before uploading to COLCampus.*
- *Kindly note that you will be evaluated on your writing skills in all your assignments.*
- *Negative marking will be applied if you are found guilty of plagiarism, poor writing skills or if you have applied incorrect or insufficient referencing.*
- *Each assignment must include a cover page, table of contents and full bibliography, based on Harvard referencing style.*
- *Students are not allowed to offer their work for sale or to purchase the work of other students. This includes the use of professional assignment writers. If this should happen, CTU training Solutions reserves the right not to accept future submissions from a student.*
- *Use NetBeans to create this program and submit a screenshot of your program output and all C# related code per question*
- *Spelling, style, fonts, font size, line spacing*
  - *Please copy the questions onto your answer sheet (single space the questions), and make sure to use numbers to indicate the answers to each question.*
  - *Always use a spell checker before you submit assignments! We reserve the right to deduct point for each obvious misspelling.*
  - *Always double-space your answers.*
  - *Please use Arial (or Calibri (Body)), 12 point as the font for your assignments. Certain fonts have been known not to come across in the PDF files.*
  - *Use only black or blue font face colors. Do not use red!*

Question 1   25 pts

The below form will represent the main form from which the user will navigate to the other forms. Meaning each button should be linked to the appropriate form. E.g. If button Manage Addresses is clicked the form managed addresses should be displayed. The Exit button should successfully terminate the program.

Create a void method for each button and name them as follow: LinkToAddresses (), LinkToCustomers (), LinkToDrivers (), LinkToStatus (), and LinkToFreight (). The methods should be called under the appropriate button. For the exit button create a void method named AppExit () this should terminate the program.
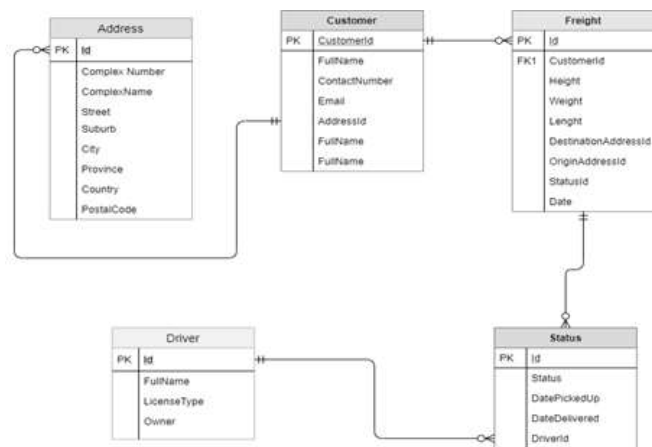
Marks allocation: 3 Marks per Method (3x6=18) and 7 Marks for the interface design.

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Question 2   10 pts

Use the below diagram to create a database using SQL Server database. Name the database as DBCtuLogistics. Utilise a method of your choice to ensure that the DBCtuLogistics database is ready for connection.

Marks allocation 2 Marks per Table (2x5=10)

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Question 3   25 pts

Create the graphical user interfaces as shown below. Provide appropriate names for all the controls.You will have to provide screenshots and the full program showcasing how the program function.

Figure 3: Form Address

Figure 4: Form Customer

Figure 5: Form Freight

Figure 6: Form Driver

Figure 7: Form Status

Marks allocation 5 Marks per design (5 Marks X5=25)

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Question 4

10 pts

Form Address:-Functionality

- Ensure that this form is connected to the DBCtuLogistics created in ***question 2.*** The Create button will insert new data into the Database, the read button will retrieve data from the database and display it on the form, Update button will update a record into the database using complex number and complex name, and the delete button will delete a record into the database using complex number and complex name.

  You will have to provide screenshots and the full program showcasing how the program function.

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Question 5

10 pts

Form Customer: -Functionality

- Ensure that this form is connected to the DBCtuLogistics. The Create button will insert new data into the Database, the read button will retrieve data from the database and display it on the form, Update button will update a record into the database using the contact number, and the delete button will delete a record into the database using the contact number.

You will have to provide screenshots and the full program showcasing how the program function

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Question 6

10 pts

Form Freight: -Functionality

- Ensure that this form is connected to the DBCtuLogistics. The Create button will insert new data into the Database, the read button will retrieve data from the database and display it on the form, Update button will update a record into the database using customer number, and the delete button will delete a record into the database using customer number.

You will have to provide screenshots and the full program showcasing how the program function

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Question 7

10 pts

Form Driver: -Functionality

- Ensure that this form is connected to the DBCtuLogistics. The Create button will insert new data into the Database, the read button will retrieve data from the database and display it on the form, Update button will update a record into the database using the full name, and the delete button will delete a record into the database using full name.

You will have to provide screenshots and the full program showcasing how the program function

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Question 8
10 pts

Form Status: -Functionality

- **<u>This form is not connected to the DBCtuLogistics</u>.** The Create button will create a txt file named status.txt and save the information into, the read button will retrieve data from the *status.txt* file and display it on the form, Update button will update all information in the file *status.txt,* and the delete button will delete all information in the txt file.

You will have to provide screenshots and the full program showcasing how the program function

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