University of sindh Jamshoro





University Assignment

Year 2023

Third Assignment

Academic Year: 2023 Institute of Mathematics & Computer Sience

Labheshwar| 2K20/CSM/50 Visual Programming (C#) Date of Submission: June 7, 2023

OBJECTS AND PROPERTIES

<u>Object</u>	<u>Property</u>	<u>Setting</u>
OrderAndSummaryReportForm	Name Text AcceptButton CancelButton	OrderAndSummaryReportForm Order and Summary Report enrollButton exitButton
coursesGroupBox	Name Text Font FontSize	coursesGroupBox Courses Corbel 12pt
webDevRadioButton	Name Text Font FontSize	webDevRadioButton Web Development 79.99 Corbel 10pt
appDevRadioButton	Name Text Font FontSize	appDevRadioButton App Development 89.99 Corbel 10pt
mlRadioButton	Name Text Font FontSize	mlRadioButton Machine Learning 99.99 Corbel 10pt
noCourseRadioButton	Name Text Checked Visible	noCourseRadioButton invisible true false
extrasGroupBox	Name Text Font FontSize	extrasGroupBox Extras - \$9.99 each Corbel 12pt
codingResourcesCheckBox	Name Text Font FontSize	codingResourcesCheckBox Access To Coding Resources Corbel
mentorshipCheckBox	Name Text Font FontSize	mentorshipCheckBox Personal Mentorship Corbel 12pt
jobPlacementCheckBox	Name Text Font FontSize	jobPlacementCheckBox Job Placement Assistance Corbel 12pt

selectCourseGroupBox	Name Text Font FontSize	selectCourseGroupBox Select the course type Corbel 12pt
webDevLabel	Name Text Font FontSize	webDevLabel Web Development Corbel 11pt
reactJsRadioButton	Name Text Font FontSize Checked	reactJsRadioButton React.js Corbel 10pt true
angular Radio Button	Name Text Font FontSize	angularRadioButton Angular.js Corbel 10pt
appDevLabel	Name Text Font FontSize	appDevLabel App Development Corbel 11pt
androidDevRadioButton	Name Text Font FontSize	androidDevRadioButton Android Development Corbel 10pt
iosDevRadioButton	Name Text Font FontSize	iosDevRadioButton iOS Development Corbel 10pt
flutterDevRadioButton	Name Text Font FontSize	flutterDevRadioButton Flutter Development Corbel 10pt
quantityLabel	Font FontSize Name Text	Corbel 12pt quantityLabel Number of Persons
quantityTextBox	Name Text	quantityTextBox (Blank)
itemPriceLabel	Font FontSize Name Text	Corbel 12pt itemPriceLabel Item Price

itemPriceTextBox	Name Text ReadOnly TabStop	itemPriceTextBox (Blank) true false
enrollButton	Name Text Font FontSize	enrollButton Enroll Corbel 12pt
enrollmentCompleteButton	Name Text Font FontSize Enabled	enrollmentCompleteButton Enrollment Complete Corbel 12pt false
summaryReportButton	Name Text Font FontSize Enabled	summaryReportButton Summary Report Corbel 12pt false
exitButton	Name Text Font FontSize	exitButton Exit Corbel 12pt

CODE

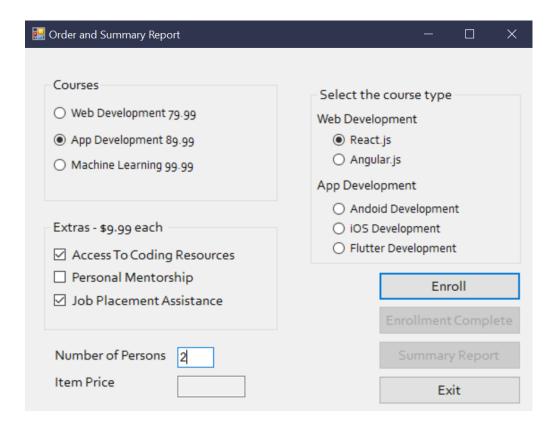
```
/* Project: Sales Form
 * Programmer: Labheshwar
 * Roll Number: (2K20/CSM/50)
 * Description: This project generated summary report for orders and enrollments.
 * This project calculates the amount due based on the customer selection and
 * accumulates summary data for the day.
 * Includes error trapping and summary calculations.
 */
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
namespace OrdersAndSummaryReport
```

```
public partial class OrderAndSummaryReportForm : Form
  // Declare Class Variables
  private decimal itemPriceDecimal, totalOrderDecimal, totalSalesDecimal;
  private int coursesInteger, ordersInteger;
  public OrderAndSummaryReportForm()
      InitializeComponent();
  }
  private double totalItemPrice() {
      double itemPrice=0;
      if (webDevRadioButton.Checked)
      {
          itemPrice = 79.99;
      else if (appDevRadioButton.Checked)
          itemPrice = 89.99;
      else if (mlRadioButton.Checked)
          itemPrice = 99.99;
      if (mentorshipCheckBox.Checked)
          itemPrice += 9.99;
      if (jobPlacementCheckBox.Checked)
          itemPrice += 9.99;
      if (codingResourcesCheckBox.Checked)
          itemPrice += 9.99;
      return itemPrice;
  }
  private void enrollButton_Click(object sender, EventArgs e)
      // Add the current item price and quantity to the order.
      if (noCourseRadioButton.Checked)
          MessageBox.Show("You must select a course.",
                        "Missing Required Entry");
      else {
          try
          {
```

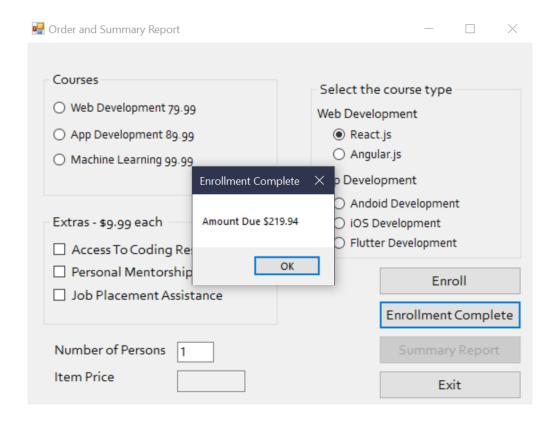
```
int quantityInteger = int.Parse(quantityTextBox.Text);
            if (quantityInteger != 0)
                coursesInteger += quantityInteger;
                itemPriceDecimal = (decimal)totalItemPrice();
                totalOrderDecimal += itemPriceDecimal * quantityInteger;
                enrollmentCompleteButton.Enabled = true;
                // Reset Default for next item.
                noCourseRadioButton.Checked = true:
                reactJsRadioButton.Checked = true;
                codingResourcesCheckBox.Checked = false;
                jobPlacementCheckBox.Checked = false;
                mentorshipCheckBox.Checked = false;
                itemPriceTextBox.Clear();
                quantityTextBox.Text = "1";
            }
            else {
                MessageBox.Show("Please enter a quantity.",
                            "Missing Required Entry");
        } catch (FormatException) {
            MessageBox.Show("Invalid Quantity.", "Data Entry Error");
            quantityTextBox.Focus();
            quantityTextBox.SelectAll();
        }
    }
}
private void enrollmentCompleteButton_Click(object sender, EventArgs e)
    // Enrollment is complete, add to summay and clear order.
    // Check if the last enrollment was added to the total
    if (itemPriceTextBox.Text != "") {
        DialogResult responseDialogResult;
        string messageString = "Current Item not recorded. Enroll first!";
        responseDialogResult = MessageBox.Show(messageString,
                            "Verify Last Enrollment",
                            MessageBoxButtons.YesNo,
                            MessageBoxIcon.Question);
        if (responseDialogResult == DialogResult.Yes) {
            enrollButton_Click(sender, e);
        }
    }
    // Display amound due
    string dueString = "Amount Due " + totalOrderDecimal.ToString("C");
    MessageBox.Show(dueString, "Enrollment Complete");
```

```
// Add to summary totals.
            ordersInteger++;
            totalSalesDecimal += totalOrderDecimal;
            // Reset buttons and total for new order.
            summaryReportButton.Enabled = true;
            enrollmentCompleteButton.Enabled = false;
            totalOrderDecimal = 0m;
        }
        private void summaryReportButton_Click(object sender, EventArgs e)
            // Display the summary information in a message box.
            string summaryString = "Courses sold:
                    + coursesInteger.ToString()
                    + "\n\n" + "Number of Orders:
                    + ordersInteger.ToString()
                    + "\n\n" + "Total Sales:
                    + totalSalesDecimal.ToString("C");
            MessageBox.Show(summaryString,
                        "CodeLab Courses Sold Summary Report",
                        MessageBoxButtons.OK,
                        MessageBoxIcon.Information);
        }
        private void exitButton_Click(object sender, EventArgs e)
            this.Close();
    }
}
```

Graphical User Interface



Enrollement Complete



Summary Report

