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 mock {

public partial class frmEstimate : Form {

double price = 45.50;

string vehicle = "";

string assessories = "standard" ;

public frmEstimate() {

InitializeComponent();

startUpDisplay(false); // setup display

tbFord.Text = "45.50"; // set text fields

tbToyota.Text = "35.75"; // set text fields

tbBmw.Text = "50.00"; // set text fields

tbAudi.Text = "48.60"; // set text fields

radFord.Checked = true;

radStandard.Checked = true;

lblOutput.Visible = false;

}

private void cmdGo\_Click(object sender, EventArgs e) {

startUpDisplay(true); // setup display

lblMain.ForeColor = Color.Blue;

}

private void startUpDisplay(bool shouldShow) { // setup display

lblDays.Visible = shouldShow;

tbDays.Visible = shouldShow;

lblExVat.Visible = shouldShow;

tbExVat.Visible = shouldShow;

lblIncVat.Visible = shouldShow;

tbIncVat.Visible = shouldShow;

cmdCalculate.Visible = shouldShow;

cmdClear.Visible = shouldShow;

tbAudi.Visible = !shouldShow;

tbBmw.Visible = !shouldShow;

tbFord.Visible = !shouldShow;

tbToyota.Visible = !shouldShow;

lblCostPerDay.Visible = !shouldShow;

}

private void cmdCalculate\_Click(object sender, EventArgs e) {

int days = 0;

if(String.IsNullOrEmpty(tbDays.Text)) {

MessageBox.Show("Number of days not entered"," Reminder", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

}

if(!String.IsNullOrEmpty(tbDays.Text)) {

try {

days = int.Parse(tbDays.Text);

double subTotal = 0;

if(assessories == "standard") {

subTotal = days \* price;

}

else {

double sub = days \* price;

subTotal = (sub \* .25) + sub;

}

tbExVat.Text = subTotal.ToString();

double vat = (subTotal / 100) \* 23;

double totalIncVat = subTotal + vat;

tbIncVat.Text = totalIncVat.ToString();

string output = vehicle + " hired with " + assessories + " assessories for " + days + " days";

lblOutput.Text = output;

lblOutput.Visible = true; // setup display

}

catch(Exception) {

MessageBox.Show("Number of days must be numeric", " Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

}

private void cmdClear\_Click(object sender, EventArgs e) { // clear all data

tbDays.Text = "";

tbIncVat.Text = "";

tbExVat.Text = "";

lblOutput.Text = "";

lblOutput.Visible = false; // setup display

}

private void cmdExit\_Click(object sender, EventArgs e) { // display yes / no message box

const string message = "Do you want to exit?";

const string caption = "EXIT";

var result = MessageBox.Show(message, caption, MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if(result == DialogResult.Yes) {

Application.Exit();

}

else if(result == DialogResult.Yes) {

this.Close();

}

}

private void exitToolStripMenuItem\_Click(object sender, EventArgs e) {// display yes / no message box

const string message = "Do you want to exit?";

const string caption = "EXIT";

var result = MessageBox.Show(message, caption, MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if(result == DialogResult.Yes) {

Application.Exit();

}

else if(result == DialogResult.Yes) {

this.Close();

}

}

private void radFord\_CheckedChanged(object sender, EventArgs e) {

if(radFord.Checked) {

price = double.Parse(tbFord.Text); // set price for calculation

vehicle = "Ford"; // set text for label

startUpDisplay(false); // setup display

lblOutput.Visible = false;

}

}

private void radToyota\_CheckedChanged(object sender, EventArgs e) {

if(radToyota.Checked) {

price = double.Parse(tbToyota.Text);// set price for calculation

vehicle = "Toyota"; // set text for label

startUpDisplay(false); // setup display

lblOutput.Visible = false;

}

}

private void radBmw\_CheckedChanged(object sender, EventArgs e) {

if(radBmw.Checked) {

price = double.Parse(tbBmw.Text);// set price for calculation

vehicle = "BMW"; // set text for label

startUpDisplay(false); // setup display

lblOutput.Visible = false;

}

}

private void radAudi\_CheckedChanged(object sender, EventArgs e) {

if(radAudi.Checked) {

price = double.Parse(tbAudi.Text);// set price for calculation

vehicle = "Audi"; // set text for label

startUpDisplay(false); // setup display

lblOutput.Visible = false;

}

}

private void radStandard\_CheckedChanged(object sender, EventArgs e) {

if(radStandard.Checked) {

assessories = "standard"; // set text for label

startUpDisplay(false); // setup display

lblOutput.Visible = false;

//tbFord.Text = "45.50";

//tbToyota.Text = "35.75";

//tbBmw.Text = "50.00";

//tbAudi.Text = "48.60";

}

}

private void radExtra\_CheckedChanged(object sender, EventArgs e) {

assessories = "extra"; // set text for label

startUpDisplay(false); // setup display

lblOutput.Visible = false;

//tbFord.Text = "56.87";

//tbToyota.Text = "44.69";

//tbBmw.Text = "62.25";

//tbAudi.Text = "71.92";

}

}

}