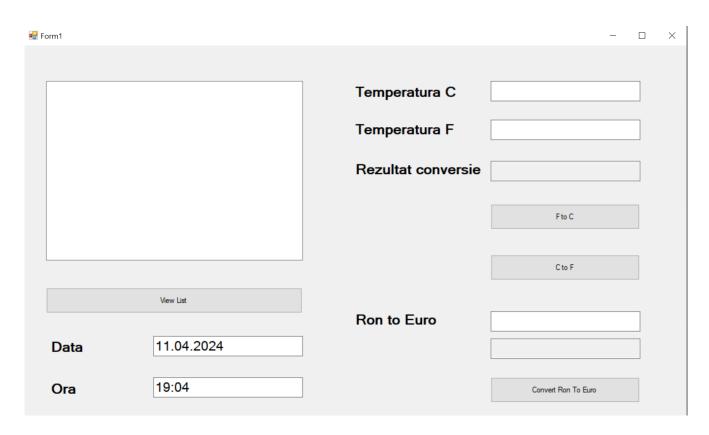
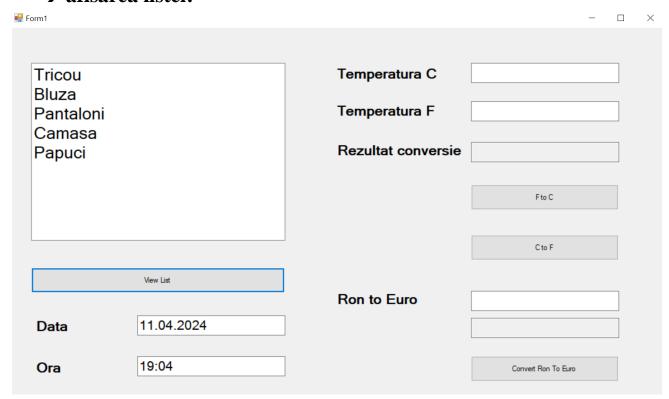
Tema – Servicii Web

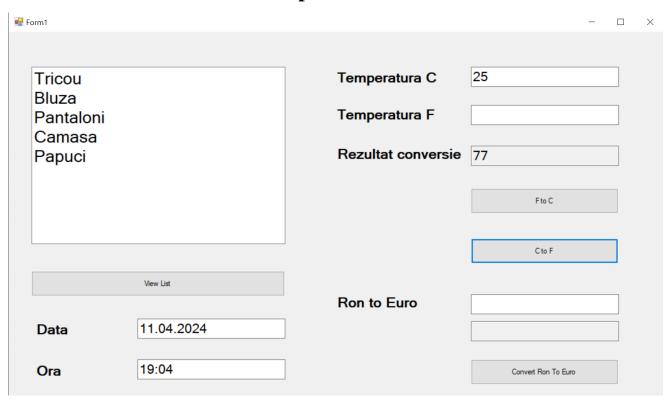
- 1. Sa se creeze un serviciu Web care sa contina urmatorele metode :
- a) Conversie F to C si invers;
- b) Afisarea orei si datei exacte;
- c) Afisarea unei liste cu 5 elemente;
- d) Conversia Intre doua valute (ex: lei euro).
- 2. Sa se creeze un client de tip Windows Form Application care sa utilizeze metodele serviciului.
 - 1. Interfata clientului de tip Windows Form:

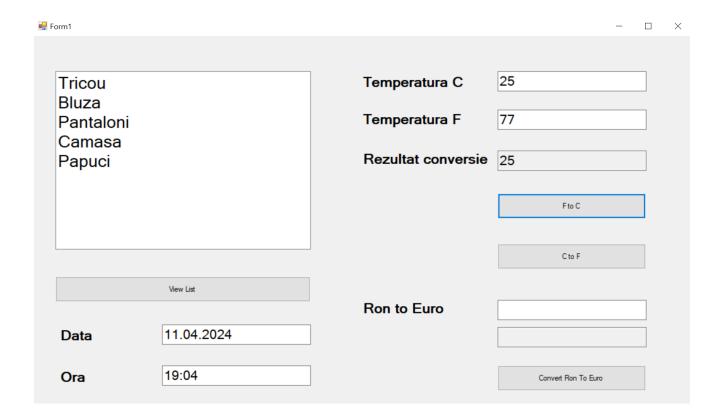


→ afisarea listei:



→ Conversia celor doua temperaturi:





→ Conversia monedei:

≅ Form1			_	
				_
Tricou		Temperatura C	25	
Bluza Pantaloni Camasa		Temperatura F	77	
Papuci		Rezultat conversie	25	
			F to C	
	,		C to F	
	View List			
		Ron to Euro	100	
Data	11.04.2024		20,12 euro	
Ora	19:04		Convert Ron To Euro]

2. Codul aferent pentru serviciul web creat:

```
[WebMethod]

!nderwood
public List<string> GetList()
{

    return new List<string> { "Tricou", "Bluza", "Pantaloni", "Camasa", "Papuci" };
}

[WebMethod]

!nderwood
public double CelsiusToFahrenheit(double temperatureCelsius)
{
    return (temperatureCelsius * 9 / 5) + 32;
}
```

3. Codul aferent pentru clientul de tip Windows Forms:

```
private void AfisareDataSiOra()

{

DateTime currentDateAndTime = webServiceClient.GetCurrentDateTime();

dataTextBox.Text = currentDateAndTime.ToShortDateString();

oraTextBox.Text = currentDateAndTime.ToShortTimeString();

private void Form1_Load(object sender, EventArgs e)

{

AfisareDataSiOra();

}

AfisareDataSiOra();

private void lista_SelectedIndexChanged(object sender, EventArgs e)

{

private void temperaturaCTextBox_TextChanged(object sender, EventArgs e)

{

40

private void temperaturaCTextBox_TextChanged(object sender, EventArgs e)

{

42

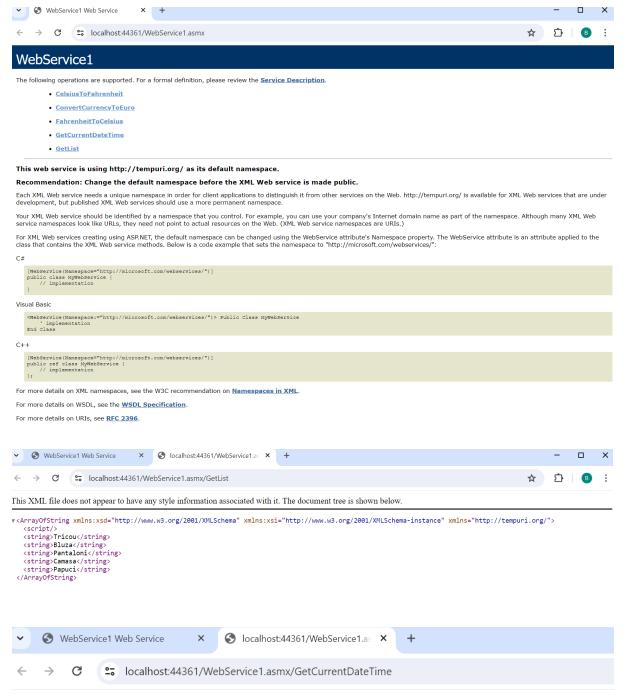
43

}
```

```
private void tempFTextBox_TextChanged(object sender, EventArgs e)
             private void rezConv_Click(object sender, EventArgs e)
             private void rezultatConversieTextBox_TextChanged(object sender, EventArgs e)
770
             private void FToCbutton_Click(object sender, EventArgs e)
                 if (double.TryParse(tempFTextBox.Text, out double temperatureFahrenheit))
                     double temperatureCelsius = webServiceClient.FahrenheitToCelsius(temperatureFahrenheit);
                     rezultatConversieTextBox.Text = temperatureCelsius.ToString();
                 else
                     MessageBox.Show("Te rog introdu o valoare valida pentru temperatura Fahrenheit.", "Eroare", MessageBoxButto
             private void CToFButton_Click(object sender, EventArgs e)
                 if (double.TryParse(temperaturaCTextBox.Text, out double temperatureCelsius))
                    double temperatureFahrenheit = webServiceClient.CelsiusToFahrenheit(temperatureCelsius);
                     rezultatConversieTextBox.Text = temperatureFahrenheit.ToString();
                 else
                    MessageBox.Show("Te rog introdu o valoare valida pentru temperatura Celsius.", "Eroare", MessageBoxButtons.
              private void EuroToRonLabel_Click(object sender, EventArgs e)
              private void sumaRonTextBox_TextChanged(object sender, EventArgs e)
              private void SumaEuroTextBox_TextChanged(object sender, EventArgs e)
```

```
if (double.TryParse(SumaEuroTextBox.Text, out double euroAmount))
                          double convertedAmountInRON = webServiceClient.ConvertCurrencyToEuro(euroAmount);
                          sumaRonTextBox.Text = convertedAmountInRON.ToString("0.00 euro");
                      catch (Exception ex)
                          MessageBox.Show("Eroare la conversia sumei!" + ex.Message, "Eroare", MessageBoxButtons.OK, MessageBoxIc
130<sup>®</sup>
                      MessageBox.Show("Te rog introdu o valoare valida pentru suma in euro.", "Eroare", MessageBoxButtons.OK, Mess
               private void oraTextBox_TextChanged(object sender, EventArgs e)
               private void Ora_Click(object sender, EventArgs e)
               private void Data_Click(object sender, EventArgs e)
               private void dataTextBox_TextChanged(object sender, EventArgs e)
```

private void euroToRonButton_Click(object sender, EventArgs e)



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