VI. Windows Forms – Files, Database, Printing

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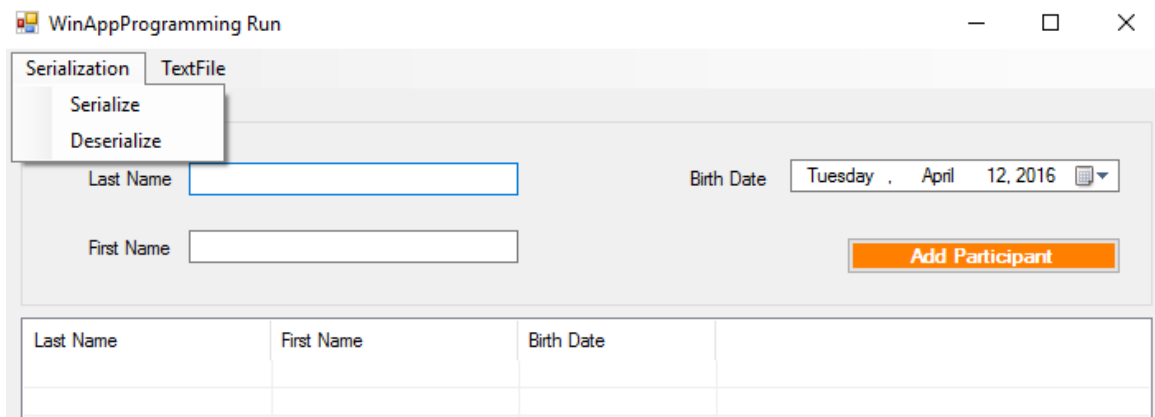
1. Working with Files

1.1. Serialization/Deserialization

Activity

1. Create a new project with the name "SerializationTextFileXML"
2. Create the following UI
3. Add the options to Serialize, Deserialize and export as a Text File, as shown bellow

4. Handle the "Click" event for the "Serialize" button as follows
5. Handle the "Click" event for the "Deserialize" button as follows
6.

```csharp
private void btnSerialize_Click(object sender, EventArgs e)
{
    IFormatter formatter = new BinaryFormatter();
    using (FileStream s = File.Create("serialized.bin"))
        formatter.Serialize(s, _participants);
}

private void btnDeserialize_Click(object sender, EventArgs e)
{
    IFormatter formatter = new BinaryFormatter();
    using (FileStream s = File.OpenRead("serialized.bin"))
    {
        _participants = (List<Participant>)formatter.Deserialize(s);
        DisplayParticipants();
    }
}
```

2. Working with Databases

3. Printing