How to Add/Edit record in DataSet and Store into XML

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- Editing a dataset require a primary key either in XSD (XML Schema) file or Database

- To create XSD (XML Schema file), in DotNet open XML file, On top Menu, Select XML >>Create Schema.

- To set a primary key in XSD file, just right click on the column and select ADD >> Select New Key.

- Select the "Dataset Primary Key" checkbox and click OK

Now your c# Code begins here...

string strpath;

//Load XML file and display in datagrid
private void Page_Load(object sender, System.EventArgs e)
```
{
filldgfromxml();
}

//Method for Binding Datagrid

private void filldgfromxml()
{
DataGrid1.DataSource = GetDataSetSource();
DataGrid1.DataBind();
}
```

//Update an existing record.
private void UpdateXML(string user)
```
{
DataSet ds = GetDataSetSource();
DataRow dr = ds.Tables["employeeinfo"].Rows.Find( user);
if (  dr == null)
{
Response.Write("User doesnot Exist. Cannot Edit Record");

}
```
else
```
{
dr["Name"] = tb1.Text;
dr["Age"] = tb2.Text;
dr["Location"] = tb3.Text;
dr["Designation"] = tb4.Text;
DataGrid1.DataSource = ds;
```

```
DataGrid1.DataBind();
ds.WriteXml( strpath + "\\xmlfile1.xml");
}


}
```

//Add new record
private void Add2XML(string user)
```
{
DataSet ds = GetDataSetSource();
DataRow dr = ds.Tables["employeeinfo"].Rows.Find(user);
if (  dr == null)
{
dr = ds.Tables["employeeinfo"].NewRow();
ds.Tables["employeeinfo"].Rows.Add( dr);
dr["Name"] = tb1.Text;
dr["Age"] = tb2.Text;
dr["Location"] = tb3.Text;
dr["Designation"] = tb4.Text;
DataGrid1.DataSource = ds;
DataGrid1.DataBind();
ds.WriteXml( strpath + "\\xmlfile1.xml");
}
```
else
```
{
Response.Write("User already exist. Cannot Add Record");
}


}
```

//Method which returns Output as dataset
private DataSet GetDataSetSource()
```
{
strpath = Server.MapPath(".");
DataSet ds = new DataSet();
ds.ReadXmlSchema( strpath + "\\xmlfile1.xsd" );
ds.ReadXml(strpath + "\\xmlfile1.xml");
return ds;
}
```

//Button for Adding new record in Dataset and writing in XML.
private void Button1_Click(object sender, System.EventArgs e)
```
{
Add2XML(tb1.Text);
}
```

//Button for Updating existing record in Dataset and writing in XML
private void Button2_Click(object sender, System.EventArgs e)
```
{
UpdateXML(tb1.Text);
}
}
}
```

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