

# Purchase Order Demo

## Intro

A generic purchase order document with a header section and an expanding Word table for detail rows.

This demo uses the *setDataSource* and *setRepeatBlock* methods together. The *SetDataSource* method is used to assign all of the single-value items to the order header and total sections. A repeat block is defined in the template document around one table row so that the table will automatically expand for every row of data in the order detail query.

## Code

```
public void GenerateDocument()
{
    // Create an instance of WordTemplate
    WordTemplate wt = new WordTemplate();

    // Open the template document
    string templatePath =
@"..\..\WordTemplateFiles\PurchaseOrderTemplate.docx";
    wt.Open(templatePath);

    // Query the database for header and detail information.
    // Set these DataTables as WordTemplate data sources.

    DataTable dtHeader =
GetOrderHeaderData(@"..\..\WordData\PurchaseOrderDemoHeaderData.csv");
    DataTable dtDetail =
GetOrderDetailData(@"..\..\WordData\PurchaseOrderDemoDetailData.csv");
    wt.SetDataSource(dtHeader);
    wt.SetRepeatBlock(dtDetail, "OrderDetailQuery");
    wt.Process();

    // Save the document to the disc
    wt.Save(@"..\..\WordOutputFiles\PurchaseOrder_output.docx");
}

/// <summary>Retrieve a DataTable of order header data</summary>
/// <param name="orderId">OrderID for which to retrieve data</param>
/// <returns>DataTable of the requested order's data</returns>
private DataTable GetOrderHeaderData(String csvFileName)
{
    DataTable dt;
    using (GenericParserAdapter parser = new
GenericParserAdapter(csvFileName))
    {
        parser.ColumnDelimiter = ',';
        parser.FirstRowHasHeader = true;

        dt = parser.GetDataTable();
    }

    return dt;
}
```

```
/// <summary>Retrieve a ReusltSet of order detail line items</summary>
/// <param name="orderId">OrderID for which to retrieve data</param>
/// <returns>DataTable of the requested order's line items</returns>
private DataTable GetOrderDetailData(String csvFileName)
{
    DataTable dt;
    using (GenericParserAdapter parser = new
GenericParserAdapter(csvFileName))
    {
        parser.ColumnDelimiter = ',';
        parser.FirstRowHasHeader = true;

        dt = parser.GetDataTable();
    }

    return dt;
}
```

```
}
```

## Downloads

**Template:** [PurchaseOrderTemplate.docx](#)

**Data:** [PurchaseOrderDemoDetailData.csv](#)

[PurchaseOrderDemoHeaderData.csv](#)

**Output:** [PurchaseOrder\\_output.docx](#)