SSRS Project

1. (2 points) Create a report using Reports Designer or Reports Builder. Use embedded data source to the localhost server, AdventureWorksDW database

2. (2 points) The report should be based on an embedded dataset, produced by this query:

```sql
SELECT g.EnglishCountryRegionName Country,
        g.StateProvinceName  StateProvince,
        g.City, cs.FirstName + ' ' + cs.LastName Customer,
        c.EnglishProductCategoryName ProductCategory,
        s.EnglishProductSubcategoryName ProductSubcategory,
        p.EnglishProductName Product,
        d.CalendarYear,d.MonthNumberOfYear MonthNo,
        d.EnglishMonthName [Month],d.FiscalYear, d.FiscalQuarter,
        i.SalesOrderNumber,  i.OrderDate,
        i.SalesAmount,i.OrderQuantity,i.UnitPrice
FROM FactInternetSales i
INNER JOIN DimCustomer cs ON cs.CustomerKey = i.CustomerKey
INNER JOIN DimGeography g ON cs.GeographyKey = g.GeographyKey
INNER JOIN DimDate d ON i.OrderDateKey = d.DateKey
INNER JOIN DimProduct p ON i.ProductKey = p.ProductKey
INNER JOIN DimProductSubcategory s ON p.ProductSubcategoryKey = s.ProductSubcategoryKey
INNER JOIN DimProductCategory c ON s.ProductCategoryKey = c.ProductCategoryKey
ORDER BY d.DateKey
```
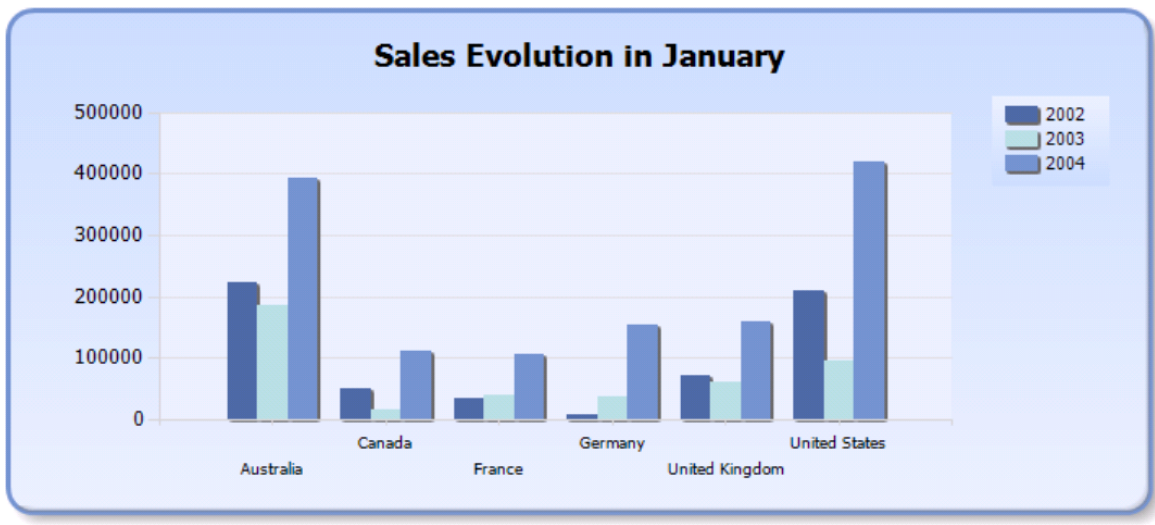
3. (8 points) Modify the report to accept two parameters: Month (only one at a time) and Years (allow multiple selection). Make sure all values in the filter are properly ordered.
   Default the values to the maximum year and maximum month (be careful with month, max may not be 12)

4. (8 points) Create a Tablix like this. Make sure to have the proper sorting. (Food for thought, not for grades: how would you highlight the differences from one year to another)

Country	City	2004				2003				2002			
		January				January				January			
		Customers	Orders	Products	Revenue	Customers	Orders	Products	Revenue	Customers	Orders	Products	Revenue
⊞ Australia	Total	420	429	88	$391,606	98	98	27	$186,238	69	69	17	$223,109
⊟ Canada	Burnaby	6	10	17	$3,243	0	0	0		0	0	0	
	Calgary	1	1	4	$578	0	0	0		0	0	0	
	Cliffside	27	37	36	$14,134	1	1	1	$2,182	3	3	3	$10,735
	Haney	15	17	20	$7,229	0	0	0		0	0	0	
	Langford	12	14	25	$6,689	1	1	1	$2,049	0	0	0	
	Langley	15	19	26	$8,778	2	2	2	$4,515	0	0	0	
	Metchosin	14	17	26	$7,997	0	0	0		1	1	1	$3,578
	N. Vancouver	15	17	23	$5,659	1	1	1	$2,049	1	1	1	$3,578
	Newton	12	12	21	$6,617	2	2	2	$4,492	4	4	4	$14,110
	Oak Bay	9	13	21	$6,104	0	0	0		0	0	0	
	Port Hammond	16	22	28	$7,848	0	0	0		1	1	1	$3,578
	Royal Oak	8	11	22	$4,200	0	0	0		1	1	1	$3,578
	Shawnee	23	26	27	$5,975	0	0	0		1	1	1	$3,578
	Sooke	19	22	25	$6,792	0	0	0		1	1	1	$3,400
	Vancouver	12	13	19	$5,699	0	0	0		0	0	0	
	Victoria	18	25	27	$4,285	1	1	1	$1,000	1	1	1	$699
	Westminster	10	10	16	$8,622	0	0	0		1	1	1	$3,578
	Total	232	286	76	$110,451	8	8	6	$16,287	15	15	8	$50,413
⊞ France	Total	146	150	78	$105,920	22	22	17	$40,726	11	11	8	$33,246
⊞ Germany	Total	163	163	79	$154,523	21	21	16	$37,915	5	5	5	$9,076
⊞ United Kingdom	Total	194	196	87	$158,726	34	34	20	$61,744	21	21	10	$71,298
⊞ United States	Total	622	626	97	$419,020	61	61	26	$95,954	67	67	20	$209,604
Total	Total	1776	1850	102	$1,340,245	244	244	31	$438,865	188	188	25	$596,747

5. (6 points) Insert a chart as follows, make sure the month changes dynamically based on the filter.

6. (4 points) Publish the report on SharePoint and create a monthly subscription. Send a copy of the report to an email on the first of every month.

SUBMIT YOUR REPORT BY SENDING YOUR .RDL FILE TO ME BY EMAIL.
I will verify point 6 in class.