

Restaurant Management System (C#)

Long Parameter List

Sr. No	Class Name	Method Name	No. of Parameters	File Path (Location)
1	CustomerDataTable	AddCustomerRow	8	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
2	CustomerTableAdapter	Insert	8	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
3	CustomerTableAdapter	Update	13	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
4	CustomerTableAdapter	Update	14	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
5	Invoice_InfoDataTable	AddInvoice_InfoRow	11	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
6	Invoice_InfoTableAdapter	Delete	11	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
7	Invoice_InfoTableAdapter	Insert	11	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
8	Invoice_InfoTableAdapter	Update	21	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
9	Invoice_InfoTableAdapter	Update	22	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
10	ProductSoldTableAdapter	Delete	7	\\Restaurant Management System\RMS_DBDataSet.Designer.cs

11	ProductSoldTableAdapter	Update	13	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
12	ProductSoldTableAdapter	Update	14	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
13	ProductTableAdapter	Update	7	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
14	RegistrationDataTable	AddRegistrationRow	7	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
15	RegistrationTableAdapter	Delete	7	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
16	RegistrationTableAdapter	Insert	7	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
17	RegistrationTableAdapter	Update	13	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
18	RegistrationTableAdapter	Update	14	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
Long Method				
Sr. No	Class Name	Method Name	LOC	File Path (Location)
1	frmAbout	Private void InitializeComponent	125	\\Restaurant Management System\frmAbout.Designer.cs
2	frmCategory	Private void InitializeComponent	110	\\Restaurant Management System\frmCategory.Designer.cs

3	frmChangePassword	Private void InitializeComponent	112	\\Restaurant Management System\\frmChangePassword.Designer.cs
4	frmCustomers	Private void InitializeComponent	235	\\Restaurant Management System\\frmCustomers.Designer.cs
5	frmLogin	Private void InitializeComponent	145	\\Restaurant Management System\\frmLogin.Designer.cs
6	frmMainMenu	Private void InitializeComponent	211	\\Restaurant Management System\\frmMainMenu.Designer.cs
7	frmProduct	Private void InitializeComponent	238	\\Restaurant Management System\\frmProduct.Designer.cs
8	frmProductsRecord	Private void InitializeComponent	147	\\Restaurant Management System\\frmProductsRecord.Designer.cs
9	frmRegistration	Private void InitializeComponent	233	\\Restaurant Management System\\frmRegistration.Designer.cs
10	frmSales	Private void InitializeComponent	503	\\Restaurant Management System\\frmSales.Designer.cs
11	frmSalesRecord	Private void InitializeComponent	390	\\Restaurant Management System\\frmSalesRecord.Designer.cs
12	frmSalesRecord1	Private void InitializeComponent	423	\\Restaurant Management System\\frmSalesRecord1.Designer.cs

Large Class

Sr. No	Class Name	LOC	File Path (Location)
1	RMS_DBDataSet	2414	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs

Lazy Class

Sr. No	Class Name	LOC	File Path (Location)
1	CategoryRowChangeEvent	17	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
2	CustomerRowChangeEvent	17	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
3	frmInvoiceReport	2	\\Restaurant Management System\\frmInvoiceReport.cs
4	frmSalesReport	2	\\Restaurant Management System\\frmSalesReport.cs
5	Invoice_InfoRowChangeEvent	17	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
6	ProductRowChangeEvent	17	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
7	ProductSoldRowChangeEvent	17	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
8	Program	8	\\Restaurant Management System\\Program.cs

9	RegistrationRowChangeEvent	17	\Restaurant Management System\RMS_DBDataSet.Designer.cs		
Comment Class					
Sr. No	Class Name	Total LOC	Comment LOC	Comment Percentage	File Path
1	CategoryDataTable	197	108	54.82%	\Restaurant Management System\RMS_DBDataSet.Designer.cs
2	CategoryRow	27	84	311.11%	\Restaurant Management System\RMS_DBDataSet.Designer.cs
3	CategoryRowChangeEvent	17	66	388.24%	\Restaurant Management System\RMS_DBDataSet.Designer.cs
4	CustomerRow	95	81	85.26%	\Restaurant Management System\RMS_DBDataSet.Designer.cs
5	CustomerRowChangeEvent	17	63	370.59%	\Restaurant Management System\RMS_DBDataSet.Designer.cs
6	frmCustomersReport	48	20	41.67%	\Restaurant Management System\frmCustomersReport.Designer.cs
7	frmSalesReport	42	17	40.48%	\Restaurant Management System\frmSalesReport.Designer.cs
8	Invoice_InfoRow	101	78	77.23%	\Restaurant Management System\RMS_DBDataSet.Designer.cs
9	Invoice_InfoRowChangeEvent	17	60	352.94%	\Restaurant Management System\RMS_DBDataSet.Designer.cs

10	ProductDataTable	22 1	96	43.44%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
11	ProductRow	48	75	156.25%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
12	ProductRowChangeEvent	17	57	335.29%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
13	ProductSoldRow	69	72	104.35%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
14	ProductSoldRowChangeEvent	17	54	317.65%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
15	RegistrationRow	77	69	89.61%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
16	RegistrationRowChangeEvent	17	51	300%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
17	rptCustomers	41	17	41.46%	\\Restaurant Management System\rptCustomers.cs
18	rptInvoice	41	17	41.46%	\\Restaurant Management System\rptInvoice.cs
19	rptSales	41	17	41.46%	\\Restaurant Management System\rptSales.cs

Temporary Field

Sr. No	Class Name	Attribute Name	Class Methods	No. of Methods	Usage Percentage	File Path
1	CategoryData Table	columnCategory Name	27	1	3.7037037037037%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs

2	CategoryDataTable	columnId	27	1	3.7037037037037%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
3	CategoryTableAdapter	_clearBeforeFill	19	1	5.26315789473684%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
4	CategoryTableAdapter	_commandCollection	19	1	5.26315789473684%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
5	CategoryTableAdapter	_transaction	19	1	5.26315789473684%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
6	CustomerDataTable	columnAddress	33	1	3.03030303030303%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
7	CustomerDataTable	columnCity	33	1	3.03030303030303%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
8	CustomerDataTable	columnContactNo	33	2	6.06060606060606%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
9	CustomerDataTable	columnContactNo1	33	1	3.03030303030303%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
10	CustomerDataTable	columnCustomerId	33	1	3.03030303030303%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
11	CustomerDataTable	columnCustomerName	33	1	3.03030303030303%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
12	CustomerDataTable	columnEmail	33	1	3.03030303030303%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
13	CustomerDataTable	columnNotes	33	1	3.03030303030303%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
14	CustomerTableAdapter	_clearBeforeFill	19	1	5.26315789473684%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs

15	CustomerTableAdapter	_commandCollection	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
16	CustomerTableAdapter	_transaction	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
17	frmCategory	rdr	10	1	10%	\\Restaurant Management System\frmCategory.cs
18	frmProduct	dt	16	1	6.25%	\\Restaurant Management System\frmProduct.cs
19	frmSales	rdr	28	2	7.14285714285714 %	\\Restaurant Management System\frmSales.cs
20	Invoice_InfoDataTable	columnDiscountAmount	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
21	Invoice_InfoDataTable	columnDiscountPer	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
22	Invoice_InfoDataTable	columnGrandTotal	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
23	Invoice_InfoDataTable	columnInvoiceDate	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
24	Invoice_InfoDataTable	columnInvoiceNo	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
25	Invoice_InfoDataTable	columnPaymentDue	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
26	Invoice_InfoDataTable	columnRemarks	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
27	Invoice_InfoDataTable	columnSubTotal	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs

28	Invoice_InfoDataTable	columnTotalPayment	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
29	Invoice_InfoDataTable	columnVATAmount	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
30	Invoice_InfoDataTable	columnVATPer	36	1	2.77777777777778 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
31	Invoice_InfoTableAdapter	_clearBeforeFill	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
32	Invoice_InfoTableAdapter	_commandCollection	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
33	Invoice_InfoTableAdapter	_transaction	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
34	ProductDataTable	columnCategoryID	29	1	3.44827586206897 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
35	ProductDataTable	columnPrice	29	1	3.44827586206897 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
36	ProductDataTable	columnProductID	29	1	3.44827586206897 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
37	ProductDataTable	columnProductName	29	1	3.44827586206897 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
38	ProductSoldDataTable	columnId	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
39	ProductSoldDataTable	columnInvoiceNo	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
40	ProductSoldDataTable	columnPrice	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs

41	ProductSoldDataTable	columnProductID	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
42	ProductSoldDataTable	columnProductName	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
43	ProductSoldDataTable	columnQuantity	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
44	ProductSoldDataTable	columnTotalAmount	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
45	ProductSoldTableAdapter	_clearBeforeFill	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
46	ProductSoldTableAdapter	_commandCollection	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
47	ProductSoldTableAdapter	_transaction	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
48	ProductTableAdapter	_clearBeforeFill	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
49	ProductTableAdapter	_commandCollection	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
50	ProductTableAdapter	_transaction	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
51	RegistrationDataTable	columnContactNo	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
52	RegistrationDataTable	columnEmail	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
53	RegistrationDataTable	columnJoiningDate	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs

54	RegistrationDataTable	columnName	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
55	RegistrationDataTable	columnPassword	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
56	RegistrationDataTable	columnUserName	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
57	RegistrationDataTable	columnUserType	32	1	3.125%	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
58	RegistrationTableAdapter	_clearBeforeFill	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
59	RegistrationTableAdapter	_commandCollection	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
60	RegistrationTableAdapter	_transaction	19	1	5.26315789473684 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
61	RMS_DBDataSet	relationFK_Product_ToCategory	34	1	2.94117647058824 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
62	RMS_DBDataSet	relationFK_ProductSold_Product	34	1	2.94117647058824 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
63	RMS_DBDataSet	relationFK_Table_InvoiceInfo	34	1	2.94117647058824 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
64	TableAdapterManager	_backupDataSetBeforeUpdate	17	1	5.88235294117647 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
65	TableAdapterManager	_connection	17	1	5.88235294117647 %	\\Restaurant Management System\RMS_DBDataSet.Designer.cs

Primitive Obsession

Sr. No	Class Name	Primitive Data Types	Class Path
1	CategoryDataTable	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
2	CategoryRow	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
3	CategoryRowChangeEvent	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
4	CategoryTableAdapter	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
5	CustomerDataTable	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
6	CustomerRow	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
7	CustomerRowChangeEvent	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
8	CustomerTableAdapter	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
9	frmCategory	12	\\Restaurant Management System\frmCategory.cs
10	frmCustomers	13	\\Restaurant Management System\frmCustomers.cs
11	frmCustomersRecord	12	\\Restaurant Management System\frmCustomersRecord.cs
12	frmMainMenu	15	\\Restaurant Management System\frmMainMenu.cs

13	frmProduct	18	\\Restaurant Management System\\frmProduct.cs
14	frmProductsRecord	13	\\Restaurant Management System\\frmProductsRecord.cs
15	frmRegistration	20	\\Restaurant Management System\\frmRegistration.cs
16	frmSales	51	\\Restaurant Management System\\frmSales.cs
17	frmSalesRecord	37	\\Restaurant Management System\\frmSalesRecord.cs
18	frmSalesRecord1	38	\\Restaurant Management System\\frmSalesRecord1.cs
19	Invoice_InfoDataTable	2126	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
20	Invoice_InfoRow	2126	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
21	Invoice_InfoRowChangeEvent	2126	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
22	Invoice_InfoTableAdapter	2126	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
23	ProductDataTable	2126	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
24	ProductRow	2126	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs
25	ProductRowChangeEvent	2126	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs

26	ProductSoldDataTable	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
27	ProductSoldRow	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
28	ProductSoldRowChangeEvent	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
29	ProductSoldTableAdapter	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
30	ProductTableAdapter	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
31	RegistrationDataTable	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
32	RegistrationRow	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
33	RegistrationRowChangeEvent	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
34	RegistrationTableAdapter	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
35	RMS_DBDataSet	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
36	SelfReferenceComparer	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
37	TableAdapterManager	2126	\\Restaurant Management System\RMS_DBDataSet.Designer.cs
Data Clump			

Sr. No	Class Name	Data Types	Class Path
1	frmSales	51	\\Restaurant Management System\\frmSales.cs
2	frmSalesRecord	37	\\Restaurant Management System\\frmSalesRecord.cs
3	frmSalesRecord1	38	\\Restaurant Management System\\frmSalesRecord1.cs

Duplicate Code Class

Sr. No	1 st Class Name	2 nd Class Name	Duplication %	1 st Class Path	2 nd Class Path	1 st Class LOC	2 nd Class LOC	Duplicate LOC
1	CachedrptCustomers	rptCustomers	75.75758%	\\Restaurant Management System\\rptCustomers.cs	\\Restaurant Management System\\rptCustomers.cs	60	72	50
2	CategoryDataTable	CategoryRow	44.3038%	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs	272	44	70
3	CategoryDataTable	CategoryTableAdapter	96.55173%	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs	272	308	280
4	ProductSoldRowChangeEvent	RegistrationRowChangeEvent	68.96552%	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs	\\Restaurant Management System\\RMS_DBDataSet.Designer.cs	29	29	20