



# Northeastern University

## College of Engineering

### **INFO 6210 Data Management and Database Design**

### **Wholesale Database Management System**

### **Views**

### **Project Team - 14**

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# Views

## CustomerInfo

```
CREATE VIEW CustomerInfo
WITH ENCRYPTION, SCHEMABINDING
AS
SELECT CustomerID, FirstName, LastName, TelephoneNumber, EmailID,
CONCAT([AddressLine 1],',',',',', [AddressLine 2],',',',',', City,',',',',', State,',',',',', Country,',',',',', ZipCode) AS Address
FROM [dbo].[Customer] c JOIN [dbo].[Address] a ON c.[Address ID] = a.[Address ID]

GO
--
```

	CustomerID	FirstName	LastName	TelephoneNumber	EmailID	Address
1	3031	Sharleen	Grzegorzewski	4789423105	sharleen.grzegorzewski@uol.com.br	8, Ridge Oak, Farmington, Michigan, United States, 48335
2	3032	Blondell	Ramey	7615686569	blondell.ramey@redcross.org	6, 4th, Aurora, Illinois, United States, 60505
3	3033	Judie	Sissot	7861813808	judie.sissot@kickstarter.com	72161, Porter, Las Vegas, Nevada, United States, 89115
4	3034	Dwayne	Bakey	7605883954	dwayne.bakey@constantcontact.com	0226, Clyde Gallagher, Santa Barbara, California, United States, 93150
5	3035	Vinita	Blackburne	3976552263	vinita.blackburne@wsj.com	96442, Becker, Corona, California, United States, 92878
6	3036	Silvan	Showers	4871511828	silvan.showers@dion.ne.jp	80500, Linden, Raleigh, North Carolina, United States, 27635
7	3037	Roxanne	Kermitt	2838295133	roxanne.kermitt@hud.gov	01, Prairieview, Galveston, Texas, United States, 77554
8	3038	Arty	Dodwell	5944207686	arty.dodwell@vistaprint.com	0226, Clyde Gallagher, Santa Barbara, California, United States, 93150
9	3039	Derrik	Carpenter	8711124722	derrik.carpenter@earthlink.net	96442, Becker, Corona, California, United States, 92878
10	3040	Rochella	Luckin	6438053392	rochella.luckin@vinaora.com	6, 4th, Aurora, Illinois, United States, 60505
11	3041	Sargent	Harness	8337533578	sargent.harness@netscape.com	8, Ridge Oak, Farmington, Michigan, United States, 48335
12	3042	Carlie	Pollok	6963888554	carlie.pollok@istockphoto.com	80500, Linden, Raleigh, North Carolina, United States, 27635
13	3043	Brodie	Korda	9149651375	brodie.korda@eepurl.com	72161, Porter, Las Vegas, Nevada, United States, 89115
14	3044	Tilly	Croose	5171509299	tilly.croose@sciencedaily.com	91748, Swallow, Aurora, Colorado, United States, 80045
15	3045	Janela	Jobbins	3459062403	janela.jobbins@yellowpages.com	72161, Porter, Las Vegas, Nevada, United States, 89115
16	3046	Ladonna	Disney	2553966264	ladonna.disney@mozilla.com	307, Roxbury, Philadelphia, Pennsylvania, United States, 19120
17	3047	Fawnia	McCorkindale	5392645659	fawnia.mccorkindale@exblog.jp	361, Nancy, Knoxville, Tennessee, United States, 37919
18	3048	Sid	Farfolomeev	3105638189	sid.farfolomeev@soup.io	6076, Bellgrove, Sparks, Nevada, United States, 89436
19	3049	Pat	Garz	6589068101	pat.garz@amazon.de	80500, Linden, Raleigh, North Carolina, United States, 27635
20	3050	Nick	Dyott	5668216237	nick.dyott@behance.net	4881, Mendota, Lawrenceville, Georgia, United States, 30245

## CompleteStatus

```
CREATE VIEW CompleteStatus
AS
SELECT CONCAT(FirstName, ' ', LastName) AS CustomerName,
co.OrderID, o.OrderDate, co.InvoiceID, s.ShippingLabelNo, t.TransactionID, OrderStatus, TransactionStatus, TransactionAmount, ShippingStatus
FROM [dbo].[CustomerOrder] co JOIN [dbo].[Order] o ON co.OrderID = o.OrderID
JOIN [dbo].[Transaction] t ON co.TransactionID = t.TransactionID
JOIN [dbo].[Invoice] i ON co.InvoiceID = i.InvoiceID
JOIN [dbo].[Customer] c ON c.CustomerID = co.CustomerID
JOIN [dbo].[Shipping] s ON co.ShippingLabelNo = s.ShippingLabelNo;
GO
```

	CustomerName	OrderID	OrderDate	InvoiceID	ShippingLabelNo	TransactionID	OrderStatus	TransactionStatus	TransactionAmount	ShippingStatus
1	Sharleen Grzegorzewski	8081	2020-05-12	7071	303030	101010	Completed	Approved	1924.00	Delivered
2	Blondell Ramey	8082	2019-08-18	7072	303031	101011	Pending	Initiated	2208.70	Pending
3	Judie Sissot	8083	2020-03-29	7073	303032	101012	Pending	Initiated	900.00	Pending
4	Dwayne Bakey	8084	2020-03-30	7074	303033	101013	Pending	Initiated	806.05	Pending
5	Vinita Blackburne	8085	2019-11-19	7075	303034	101014	Pending	Initiated	10566.55	Pending
6	Silvan Showers	8086	2020-05-19	7076	303035	101015	Pending	Initiated	4918.10	Pending
7	Roxanne Kermitt	8087	2020-01-04	7077	303036	101016	Pending	Initiated	8915.05	Pending
8	Arty Dodwell	8088	2020-07-07	7078	303037	101017	Pending	Initiated	6155.85	Pending
9	Derrick Carpenter	8089	2019-10-30	7079	303038	101018	Pending	Initiated	3523.50	Pending
10	Rochella Luckin	8090	2019-09-25	7080	303039	101019	Pending	Initiated	8749.80	Pending
11	Sargent Harness	8091	2020-07-23	7081	303040	101020	Pending	Initiated	5235.85	Pending
12	Carlie Pollok	8092	2020-03-31	7082	303041	101021	Pending	Initiated	7048.95	Pending
13	Brodie Korda	8093	2019-08-20	7083	303042	101022	Completed	Approved	283.50	Pending
14	Tilly Croose	8094	2019-10-30	7084	303043	101023	Pending	Initiated	4291.35	Pending
15	Janela Jobbins	8095	2020-01-31	7085	303044	101024	Pending	Cancelled	8309.10	Pending
16	Ladonna Disney	8096	2020-03-02	7086	303045	101025	Pending	Initiated	1117.25	Pending
17	Fawnia McCorkindale	8097	2019-08-20	7087	303046	101026	Pending	Initiated	632.05	Pending
18	Sid Farfolomeev	8098	2019-09-30	7088	303047	101027	Pending	Initiated	6421.15	Pending
19	Pat Garz	8099	2020-04-08	7089	303048	101028	Pending	Initiated	7905.35	Pending
20	Nick Dyott	8100	2020-01-01	7090	303049	101029	Pending	Initiated	3949.80	NA

## SalesItems

```
--  
CREATE VIEW SalesItems  
AS  
SELECT OrderID, io.ItemNo, ItemName, Quantity AS OrderQty  
FROM OrderItem io JOIN Item i ON io.ItemNo = i.ItemNo;  
GO  
--
```

	OrderID	ItemNo	ItemName	OrderQty
1	8081	8081	famous trials	2126
2	8082	8082	kite runner	2809
3	8083	8083	television	4927
4	8084	8084	microwave	347
5	8085	8085	oats	3032
6	8086	8086	cornflakes	877
7	8087	8087	face wash	1429
8	8088	8088	scrub	637
9	8089	8089	pant	1216
10	8090	8090	shirt	4349
11	8091	8091	baseball	2642
12	8092	8092	hockey stick	936
13	8093	8093	ibprofen	3316
14	8094	8094	nyquil	76
15	8095	8095	pet food	942
16	8096	8096	pet collar	3189
17	8097	8097	puzzle	4835
18	8098	8098	teddy bear	1245
19	8099	8099	table	4974
20	8100	8100	chair	3431

## CustomerRefunds

```

CREATE VIEW CustomerRefunds
AS
SELECT CONCAT(FirstName, ' ', LastName) AS CustomerName,
cro.OrderID, cro.ReturnRequestID, ReturnRequestDate, ReturnRequestTime, RefundStatus, RefundAmount
FROM CustomerReturnsOrder cro JOIN Customer c ON cro.CustomerID = c.CustomerID
JOIN [dbo].[Order] o ON o.OrderID = cro.OrderID
JOIN [dbo].[Returns] r ON r.ReturnRequestID = cro.ReturnRequestID
JOIN Refund re ON r.RefundOrderID = re.RefundOrderID;
GO

```

	CustomerName	OrderID	ReturnRequestID	ReturnRequestDate	ReturnRequestTime	RefundStatus	RefundAmount
1	Sharleen Grzegorzewski	8081	202020	2020-04-22	08:31:00.0000000	Approved	3724.70
2	Blondell Ramey	8082	202021	2019-12-31	06:04:00.0000000	In process	8751.67
3	Judie Sissot	8083	202022	2020-06-14	07:31:00.0000000	Approved	8147.27
4	Dwayne Bakey	8084	202023	2020-04-16	11:56:00.0000000	Approved	8354.36
5	Vinita Blackburne	8085	202024	2019-09-11	14:08:00.0000000	Approved	1826.93
6	Silvan Showers	8086	202025	2020-07-18	23:17:00.0000000	In process	6119.62
7	Roxanne Kermitt	8087	202026	2019-12-04	19:56:00.0000000	In process	9106.91
8	Arty Dodwell	8088	202027	2019-11-25	19:21:00.0000000	In process	8620.99
9	Derrik Carpenter	8089	202028	2020-05-19	12:33:00.0000000	Cancelled	9945.93
10	Rochella Luckin	8090	202029	2019-09-17	23:19:00.0000000	In process	9568.29
11	Sargent Harness	8091	202030	2020-03-12	22:26:00.0000000	Cancelled	5425.42
12	Carlie Pollok	8092	202031	2019-11-14	12:22:00.0000000	In process	1471.19
13	Brodie Korda	8093	202032	2020-01-25	16:42:00.0000000	In process	1300.04
14	Tilly Croose	8094	202033	2019-10-30	04:20:00.0000000	In process	6118.37
15	Janela Jobbins	8095	202034	2020-06-07	04:57:00.0000000	In process	269.85
16	Ladonna Disney	8096	202035	2020-03-19	08:46:00.0000000	Cancelled	596.67
17	Fawnia McCorkindale	8097	202036	2019-10-19	18:57:00.0000000	Approved	3520.96
18	Sid Farfolomeev	8098	202037	2019-08-19	06:47:00.0000000	Approved	4413.68
19	Pat Garz	8099	202038	2020-04-05	17:55:00.0000000	Cancelled	2241.23
20	Nick Dyott	8100	202039	2020-05-04	01:08:00.0000000	Approved	8583.18

## DistributorItems

```
CREATE VIEW DistributorItems
AS
SELECT id.DistributorID, DistributorName, ItemName
FROM Distributor d JOIN ItemDistributor id ON d.DistributorID = id.DistributorID
      JOIN Item i ON i.ItemNo = id.ItemNo;
GO
--
```

	DistributorID	DistributorName	ItemName
1	4041	healthwealth	famous trials
2	4042	foodbar	kite runner
3	4043	healthwealth	television
4	4044	bookmaster	microwave
5	4045	bigboytoys	oats
6	4046	bestelectronics	cornflakes
7	4047	sportygoods	face wash
8	4048	toolhouse	scrub
9	4049	fastfixsports	pant
10	4050	petfriends	shirt
11	4051	goodlookgoods	baseball
12	4052	easygadgets	hockey stick
13	4053	toolhouse	ibprofen
14	4054	bestelectronics	nyquil
15	4055	bookmaster	pet food
16	4056	bestelectronics	pet collar
17	4057	bigboytoys	puzzle
18	4058	bookbox	teddy bear
19	4059	petpots	table
20	4060	petfriends	chair



## OrderDeliveryStatus

```
CREATE VIEW OrderDeliveryStatus
AS
SELECT CONCAT(FirstName, ' ', LastName) AS CustomerName, o.OrderID, o.OrderStatus, OrderDate, co.ShippingLabelNo, ShippingStatus
FROM [dbo].[CustomerOrder] co JOIN [dbo].[Order] o ON co.OrderID = o.OrderID
JOIN [dbo].[Shipping] s ON co.ShippingLabelNo = s.ShippingLabelNo
JOIN [dbo].[Customer] c ON c.CustomerID = co.CustomerID;
GO
--
```

	CustomerName	OrderID	OrderStatus	OrderDate	ShippingLabelNo	ShippingStatus
1	Sharleen Grzegorzewski	8081	Completed	2020-05-12	303030	Delivered
2	Blondell Ramey	8082	Pending	2019-08-18	303031	Pending
3	Judie Sissot	8083	Pending	2020-03-29	303032	Pending
4	Dwayne Bakey	8084	Pending	2020-03-30	303033	Pending
5	Vinita Blackburne	8085	Pending	2019-11-19	303034	Pending
6	Silvan Showers	8086	Pending	2020-05-19	303035	Pending
7	Roxanne Kermitt	8087	Pending	2020-01-04	303036	Pending
8	Arty Dodwell	8088	Pending	2020-07-07	303037	Pending
9	Derrik Carpenter	8089	Pending	2019-10-30	303038	Pending
10	Rochella Luckin	8090	Pending	2019-09-25	303039	Pending
11	Sargent Harness	8091	Pending	2020-07-23	303040	Pending
12	Carlie Pollok	8092	Pending	2020-03-31	303041	Pending
13	Brodie Korda	8093	Completed	2019-08-20	303042	Pending
14	Tilly Croose	8094	Pending	2019-10-30	303043	Pending
15	Janela Jobbins	8095	Pending	2020-01-31	303044	Pending
16	Ladonna Disney	8096	Pending	2020-03-02	303045	Pending
17	Fawnia McCorkindale	8097	Pending	2019-08-20	303046	Pending
18	Sid Farfolomeev	8098	Pending	2019-09-30	303047	Pending
19	Pat Garz	8099	Pending	2020-04-08	303048	Pending
20	Nick Dyott	8100	Pending	2020-01-01	303049	NA

## InventoryDetails

```
--  
CREATE VIEW InventoryDetails  
AS  
SELECT i.ItemNo, ItemName, QuantityInStock, [Inventory Costs]  
FROM [dbo].[Item] i JOIN [dbo].[Inventory] iv ON i.ItemNo = iv.ItemNo;  
GO  
--
```

	ItemNo	ItemName	QuantityInStock	Inventory Costs
1	8081	famous trials	4000	40.00
2	8082	kite runner	1989	19.89
3	8083	television	4019	40.19
4	8084	microwave	4043	40.43
5	8085	oats	1043	10.43
6	8086	cornflakes	4039	40.39
7	8087	face wash	4573	45.73
8	8088	scrub	963	9.63
9	8089	pant	1500	15.00
10	8090	shirt	2050	20.50
11	8091	baseball	4447	44.47
12	8092	hockey stick	3322	33.22
13	8093	ibprofen	184	1.84
14	8094	nyquil	527	5.27
15	8095	pet food	2125	21.25
16	8096	pet collar	760	7.60
17	8097	puzzle	3235	32.35
18	8098	teddy bear	3239	32.39
19	8099	table	3893	38.93
20	8100	chair	1478	14.78



# OrderDetails

```
CREATE VIEW OrderDetails
AS
SELECT CONCAT(FirstName, ' ', LastName) AS CustomerName,
co.OrderID, o.OrderDate, co.InvoiceID, t.TransactionID, InvoiceDate, TotalAmount, SalesTax, Discount, OrderStatus, TransactionStatus, TransactionAmount
FROM [dbo].[CustomerOrder] co JOIN [dbo].[Order] o ON co.OrderID = o.OrderID
JOIN [dbo].[Transaction] t ON co.TransactionID = t.TransactionID
JOIN [dbo].[Invoice] i ON co.InvoiceID = i.InvoiceID
JOIN [dbo].[Customer] c ON c.CustomerID = co.CustomerID
GO
--
```

	CustomerName	OrderID	OrderDate	InvoiceID	TransactionID	InvoiceDate	TotalAmount	SalesTax	Discount	OrderStatus	TransactionStatus	TransactionAmount
1	Sharleen Grzegorzewski	8081	2020-05-12	7071	101010	2019-08-27	1510.23	226.53	10.00	Completed	Approved	1924.00
2	Blondell Ramey	8082	2019-08-18	7072	101011	2020-06-11	1938.00	290.70	20.00	Pending	Initiated	2208.70
3	Judie Sissot	8083	2020-03-29	7073	101012	2019-10-23	800.00	120.00	20.00	Pending	Initiated	900.00
4	Dwayne Bakey	8084	2020-03-30	7074	101013	2020-05-22	727.00	109.05	30.00	Pending	Initiated	806.05
5	Vinita Blackburne	8085	2019-11-19	7075	101014	2019-11-19	9197.00	1379.55	10.00	Pending	Initiated	10566.55
6	Silvan Showers	8086	2020-05-19	7076	101015	2019-09-29	4294.00	644.10	20.00	Pending	Initiated	4918.10
7	Roxanne Kermitt	8087	2020-01-04	7077	101016	2019-10-07	7787.00	1168.05	40.00	Pending	Initiated	8915.05
8	Arty Dodwell	8088	2020-07-07	7078	101017	2019-09-05	5379.00	806.85	30.00	Pending	Initiated	6155.85
9	Derrick Carpenter	8089	2019-10-30	7079	101018	2020-01-31	3090.00	463.50	30.00	Pending	Initiated	3523.50
10	Rochella Luckin	8090	2019-09-25	7080	101019	2020-03-05	7652.00	1147.80	50.00	Pending	Initiated	8749.80
11	Sargent Harness	8091	2020-07-23	7081	101020	2020-06-06	4579.00	686.85	30.00	Pending	Initiated	5235.85
12	Carlie Pollok	8092	2020-03-31	7082	101021	2020-06-15	6173.00	925.95	50.00	Pending	Initiated	7048.95
13	Brodie Korda	8093	2019-08-20	7083	101022	2020-01-13	290.00	43.50	50.00	Completed	Approved	283.50
14	Tilly Croose	8094	2019-10-30	7084	101023	2019-09-04	3749.00	562.35	20.00	Pending	Initiated	4291.35
15	Janela Jobbins	8095	2020-01-31	7085	101024	2020-02-26	7234.00	1085.10	10.00	Pending	Cancelled	8309.10
16	Ladonna Disney	8096	2020-03-02	7086	101025	2020-06-17	1015.00	152.25	50.00	Pending	Initiated	1117.25
17	Fawnia McCorkindale	8097	2019-08-20	7087	101026	2020-06-21	567.00	85.05	20.00	Pending	Initiated	632.05
18	Sid Farfolomeev	8098	2019-09-30	7088	101027	2020-04-09	5601.00	840.15	20.00	Pending	Initiated	6421.15
19	Pat Garz	8099	2020-04-08	7089	101028	2019-08-10	6909.00	1036.35	40.00	Pending	Initiated	7905.35
20	Nick Dyott	8100	2020-01-01	7090	101029	2020-04-10	3452.00	517.80	20.00	Pending	Initiated	3949.80