



# Wine Collector Database

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CS364 Information Management

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# EXECUTIVE SUMMARY

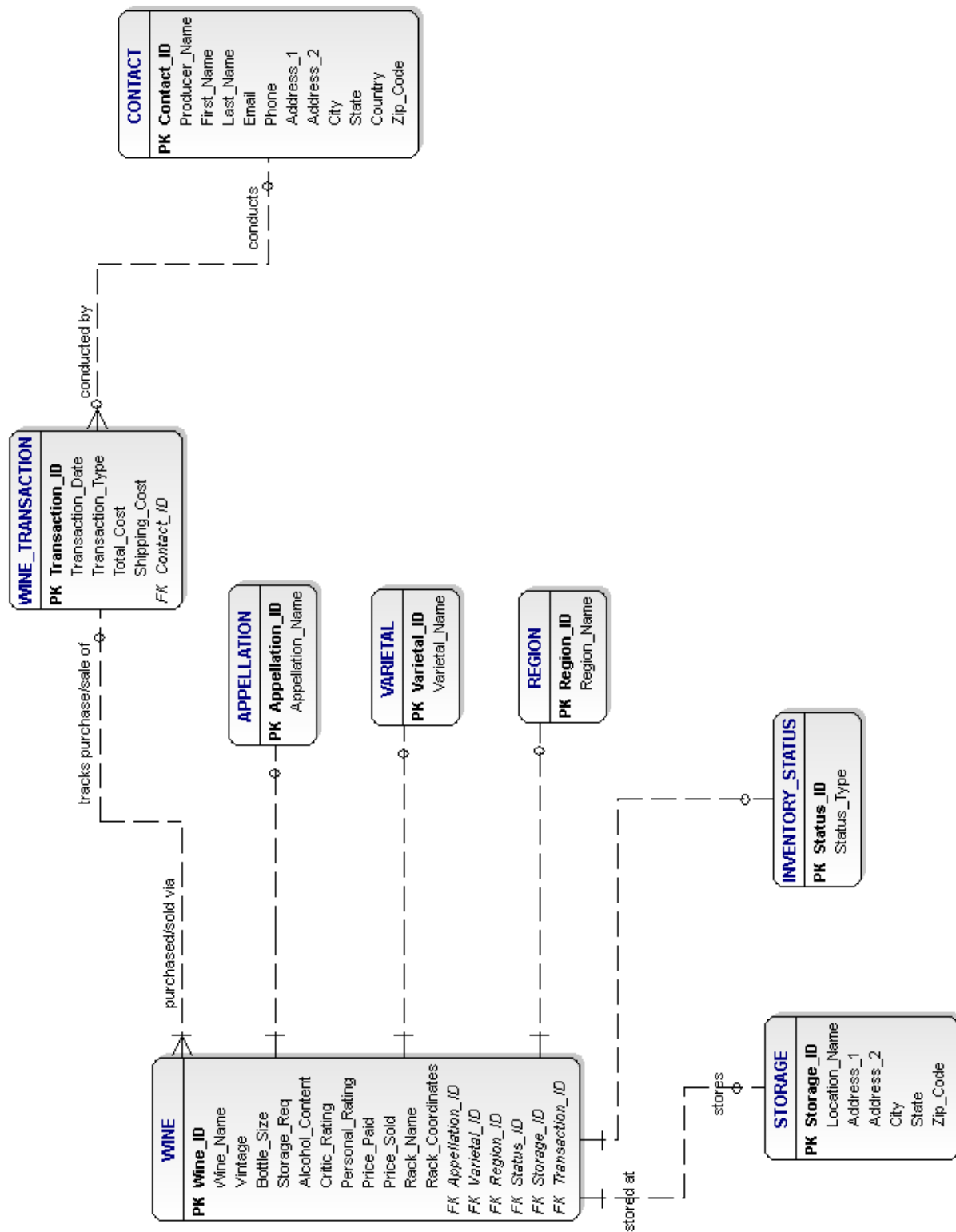
This report is an informational summary for the wine collector database. The process and method of gathering information was compiled from a case study document provided to the development team.

The relational wine collector database is designed for the private wine enthusiast with a wine collection ranging from 500 bottles to 2,500 bottles. The database was modeled after an "appellation by producer by vintage model".

Since most wine aficionados collections have a regular fluidity, this relational database has the ability to provide dependable updated information concerning key inventory, sale, and purchase metrics. Metrics such as quantity of specific wines by vintage, wines by regions, wines by storage locations, and even wines by rating are easily achieved with integrated reports, all the while employing forms maximizing minimal efforts and ease of use for the end user.

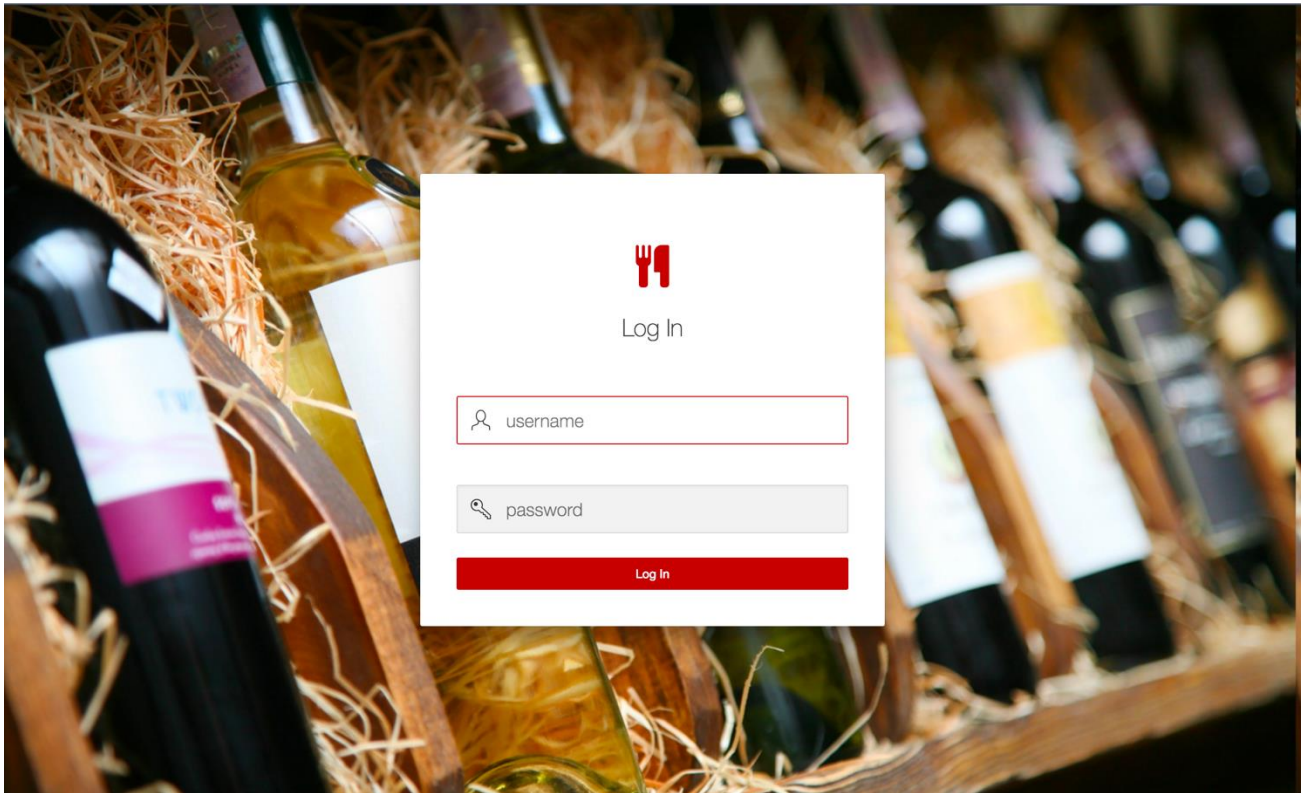
Included in this report is a glossary which is presented in alphabetical order providing detailed explanations of relational terms used in the relations. In addition, Full Logical Entity-Relationship Diagram, application screen shots, report screen shots, forms screen shots, and the code for both Data Definition Language (DDL) and Data Manipulation Language (DML) is also included for a higher-level view of the relational database and to aide designers in communicating that design to the end user.

# FULL LOGICAL ERD DIAGRAM



# SCREEN SHOTS

## APPLICATION LOGIN PAGE



# APPLICATION HOME PAGE

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### Wine Collector Summary

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[Glossary](#)

### Development Team Memembers

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# REPORTS

## Wines on Hand by Location

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Wines On Hand by Location

Wines On Hand by Location

Location Name	Rack Name	Rack Coordinates	Wine Name	Vintage	Bottle Size	Region Name
Basement Cellar	RackOne	A-1	2015 Napa Valley Cabernet Sauvignon	2015	750ml	Napa
Basement Cellar	RackOne	A-2	2015 Napa Valley Cabernet Sauvignon	2015	750ml	Napa
Basement Cellar	RackOne	A-3	2015 Napa Valley Cabernet Sauvignon	2015	750ml	Napa
Basement Cellar	RackOne	A-4	2015 Napa Valley Cabernet Sauvignon	2015	750ml	Napa
Basement Cellar	RackOne	B-4	Signature Cuvee Pinot Noir	2014	750ml	Willamette Valley
Basement Cellar	RackOne	B-5	Signature Cuvee Pinot Noir	2014	750ml	Willamette Valley
Basement Cellar	RackOne	D-1	2015 Unfiltered Pinot Noir	2015	750ml	Napa
Basement Cellar	RackOne	D-2	2015 Unfiltered Pinot Noir	2015	750ml	Napa
Basement Cellar	RackOne	D-3	2015 Unfiltered Pinot Noir	2015	750ml	Napa
Beach House	RackOne	A-1	Moët Imperial	2017	750ml	Champagne
Beach House	RackOne	A-2	Moët Imperial	2017	750ml	Champagne
Beach House	RackOne	A-4	Moët et Chandon Dom Perignon	2004	750ml	Champagne
Beach House	RackOne	A-5	Moët et Chandon Dom Perignon	2004	750ml	Champagne
Home Cellar	RackOne	B-1	Moët Imperial	2017	750ml	Champagne
Home Cellar	RackOne	B-2	Airfield Estates Reserve Syrah	2014	750ml	Columbia Valley

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# Quantity of Wines on Hand

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Quantity of Wines on Hand

Quantity of Wines on Hand

Count(Wine Name) ↑	Wine Name	Vintage	Alcohol Content	Region Name	Appellation Name	Price Paid
2	2016 Napa Valley Sauvignon Blanc	2016	14.2	Napa	Napa Valley	24
2	Airfield Estates Merlot	2014	14.2	Columbia Valley	Yakima Valley	18
2	Signature Cuvee Pinot Noir	2014	14	Willamette Valley	Willamette Valley	65
2	Airfield Estates Reserve Syrah	2014	14.4	Columbia Valley	Yakima Valley	25
2	Moët et Chandon Dom Perignon	2004	12.5	Champagne	Champagne	265
3	Moët Imperial	2017	12.0	Champagne	Champagne	49
4	2015 Napa Valley Cabernet Sauvignon	2015	15.0	Napa	Napa Valley	50
8	Montefioralle Chianti Classico	2015	12.5	Tuscany	Chianti Classico	14
8	2015 Unfiltered Pinot Noir	2015	13.5	Napa	Spring Mountain District AVA	66

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Wines On Hand by Vintage

Vintage	Wine Name	Location Name	Rack Name	Rack Coordinates
2017	Moët Imperial	Beach House	RackOne	A-1
2017	Moët Imperial	Home Cellar	RackOne	B-1
2016	2016 Napa Valley Sauvignon Blanc	Home Cellar	RackTwo	A-3
2015	2015 Unfiltered Pinot Noir	Basement Cellar	RackOne	D-1
2015	Montefioralle Chianti Classico	Home Cellar	RackTwo	B-5
2015	Montefioralle Chianti Classico	Home Cellar	RackTwo	B-4
2015	Montefioralle Chianti Classico	Home Cellar	RackTwo	B-3
2015	Montefioralle Chianti Classico	Home Cellar	RackTwo	B-2
2015	Montefioralle Chianti Classico	Home Cellar	RackTwo	B-1
2015	Montefioralle Chianti Classico	Home Cellar	RackTwo	A-6
2015	Montefioralle Chianti Classico	Home Cellar	RackTwo	A-5
2015	2015 Unfiltered Pinot Noir	Home Cellar	RackOne	C-1
2015	2015 Unfiltered Pinot Noir	Home Cellar	RackOne	C-2
2015	2015 Unfiltered Pinot Noir	Home Cellar	RackOne	C-3
2015	2015 Unfiltered Pinot Noir	Home Cellar	RackOne	C-4

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# Wines on Hand by Varietal

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Wines On Hand by Varietal

Wines On Hand by Varietal

Wine Name	Varietal Name	Location name	Rack name	Rack coordinates
2015 Napa Valley Cabernet Sauvignon	Cabernet Sauvignon	Basement Cellar	RackOne	A-4
2015 Napa Valley Cabernet Sauvignon	Cabernet Sauvignon	Basement Cellar	RackOne	A-3
2015 Napa Valley Cabernet Sauvignon	Cabernet Sauvignon	Basement Cellar	RackOne	A-2
2015 Napa Valley Cabernet Sauvignon	Cabernet Sauvignon	Basement Cellar	RackOne	A-1
2016 Napa Valley Sauvignon Blanc	Chardonnay	Home Cellar		
2016 Napa Valley Sauvignon Blanc	Chardonnay	Home Cellar	RackTwo	A-3
Airfield Estates Merlot	Merlot	Home Cellar	RackTwo	A-2
Airfield Estates Merlot	Merlot	Home Cellar	RackTwo	A-1
2015 Unfiltered Pinot Noir	Pinot Noir	Basement Cellar	RackOne	D-1
2015 Unfiltered Pinot Noir	Pinot Noir	Home Cellar	RackOne	C-5
2015 Unfiltered Pinot Noir	Pinot Noir	Home Cellar	RackOne	C-4
2015 Unfiltered Pinot Noir	Pinot Noir	Home Cellar	RackOne	C-3
2015 Unfiltered Pinot Noir	Pinot Noir	Home Cellar	RackOne	C-2
2015 Unfiltered Pinot Noir	Pinot Noir	Basement Cellar	RackOne	D-3
2015 Unfiltered Pinot Noir	Pinot Noir	Home Cellar	RackOne	C-1

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# Wines on Hand by Region

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Wines On Hand by Region

Wines On Hand by Region

Region Name	Wine Name	Location Name	Rack Name	Rack Coordinates
Champagne	Moët Imperial	Beach House	RackOne	A-1
Champagne	Moët Imperial	Home Cellar	RackOne	B-1
Champagne	Moët Imperial	Beach House	RackOne	A-2
Champagne	Moët et Chandon Dom Perignon	Beach House	RackOne	A-4
Champagne	Moët et Chandon Dom Perignon	Beach House	RackOne	A-5
Columbia Valley	Airfield Estates Merlot	Home Cellar	RackTwo	A-1
Columbia Valley	Airfield Estates Merlot	Home Cellar	RackTwo	A-2
Columbia Valley	Airfield Estates Reserve Syrah	Home Cellar	RackOne	B-2
Columbia Valley	Airfield Estates Reserve Syrah	Home Cellar	RackOne	B-3
Napa	2015 Napa Valley Cabernet Sauvignon	Basement Cellar	RackOne	A-1
Napa	2015 Napa Valley Cabernet Sauvignon	Basement Cellar	RackOne	A-4
Napa	2015 Napa Valley Cabernet Sauvignon	Basement Cellar	RackOne	A-3
Napa	2015 Napa Valley Cabernet Sauvignon	Basement Cellar	RackOne	A-2
Napa	2015 Unfiltered Pinot Noir	Home Cellar	RackOne	C-1
Napa	2015 Unfiltered Pinot Noir	Basement Cellar	RackOne	D-2

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# Wines Inventory by Status

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Sold

Wines Inventory by Status

Wine Name	Vintage	Bottle Size	How to Store	Alcohol Content	Critic Rating	Personal Rating	Price Paid	Price Sold	Rack Name	Rack Coordinates	Appellation Name	Varietal Name	Region Name	Status
2015 Unfiltered Pinot Noir	2015	750ml	Lay on side	13.5			\$66.00	\$75.00			Spring Mountain District AVA	Pinot Noir	Napa	Sold
2015 Unfiltered Pinot Noir	2015	750ml	Lay on side	13.5			\$66.00	\$75.00			Spring Mountain District AVA	Pinot Noir	Napa	Sold
2015 Unfiltered Pinot Noir	2015	750ml	Lay on side	13.5			\$66.00	\$75.00			Spring Mountain District AVA	Pinot Noir	Napa	Sold
2016 Napa Valley Sauvignon Blanc	2016	750ml	Lay on side	14.2			\$24.00	\$30.00			Napa Valley	Chardonnay	Napa	Sold
2016 Napa Valley Sauvignon Blanc	2016	750ml	Lay on side	14.2			\$24.00	\$30.00			Napa Valley	Chardonnay	Napa	Sold
Airfield Estates Reserve Syrah	2014	750ml	Lay on side	14.4			\$25.00	\$35.00			Yakima Valley	Syrah	Columbia Valley	Sold
Montefioralle Chianti Classico	2015	750ml	Lay on side	12.5			\$14.00	\$18.00			Chianti Classico		Tuscany	Sold
Montefioralle Chianti Classico	2015	750ml	Lay on side	12.5			\$14.00	\$18.00			Chianti Classico		Tuscany	Sold

# Wine Profits Total

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Wine Profits Total

Wines Profits Total

Total Paid	Total Sold	Total Profits
\$387.00	\$454.00	\$67.00

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# Wines Profits by Bottle

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Wines Profits by Bottle

Wine	Purchase Price	Sell Price	Profit
2015 Unfiltered Pinot Noir	\$66.00	\$75.00	\$9.00
2015 Unfiltered Pinot Noir	\$66.00	\$75.00	\$9.00
2015 Unfiltered Pinot Noir	\$66.00	\$75.00	\$9.00
2016 Napa Valley Sauvignon Blanc	\$24.00	\$30.00	\$6.00
2016 Napa Valley Sauvignon Blanc	\$24.00	\$30.00	\$6.00
Airfield Estates Reserve Syrah	\$25.00	\$35.00	\$10.00
Montefioralle Chianti Classico	\$14.00	\$18.00	\$4.00
Montefioralle Chianti Classico	\$14.00	\$18.00	\$4.00
Montefioralle Chianti Classico	\$14.00	\$18.00	\$4.00
Moët Imperial	\$49.00	\$55.00	\$6.00
Moët Imperial	\$49.00	\$55.00	\$6.00

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# Wines Costs/Sales by Bottle

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Wine Cost/Sales by Bottle

Wine Name	Sum(Price Paid)	Sum(Coalesce(Price Sold,0))
2015 Napa Valley Cabernet Sauvignon	\$200.00	\$0.00
2015 Unfiltered Pinot Noir	\$726.00	\$225.00
2016 Napa Valley Sauvignon Blanc	\$72.00	\$60.00
Airfield Estates Merlot	\$36.00	\$0.00
Airfield Estates Reserve Syrah	\$75.00	\$35.00
Montefioralle Chianti Classico	\$154.00	\$54.00
Moët Imperial	\$196.00	\$110.00
Moët et Chandon Dom Perignon	\$530.00	\$0.00
Signature Cuvee Pinot Noir	\$130.00	\$0.00
	\$2,119.00	\$484.00

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# Wines Purchased by Contact

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Wines Purchased by Contact

Wine Name	Price Paid	Producer Name	Address 1	City	State	Country	Zip Code
2015 Napa Valley Cabernet Sauvignon	\$50.00	William Hill Estate Winery	1761 Atlas Peak Rd	Napa	CA	USA	94558
2015 Napa Valley Cabernet Sauvignon	\$50.00	William Hill Estate Winery	1761 Atlas Peak Rd	Napa	CA	USA	94558
2015 Napa Valley Cabernet Sauvignon	\$50.00	William Hill Estate Winery	1761 Atlas Peak Rd	Napa	CA	USA	94558
2015 Napa Valley Cabernet Sauvignon	\$50.00	William Hill Estate Winery	1761 Atlas Peak Rd	Napa	CA	USA	94558
2015 Napa Valley Cabernet Sauvignon	\$50.00	William Hill Estate Winery	1761 Atlas Peak Rd	Napa	CA	USA	94558
2015 Napa Valley Cabernet Sauvignon	\$50.00	William Hill Estate Winery	1761 Atlas Peak Rd	Napa	CA	USA	94558
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574
2015 Unfiltered Pinot Noir	\$66.00	Newton Vineyard	2555 Madrona Avenue	St. Helena	CA	USA	94574

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# Wines Sold by Contact

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Wines Sold by Contact

Wine Name	Price Sold	First Name	Last Name	Address 1	City	State	Country	Zip Code
2015 Unfiltered Pinot Noir	\$75.00	Albert	Turner	1121 Gateway Road	Portland	OR	USA	97205
2015 Unfiltered Pinot Noir	\$75.00	Albert	Turner	1121 Gateway Road	Portland	OR	USA	97205
2015 Unfiltered Pinot Noir	\$75.00	Albert	Turner	1121 Gateway Road	Portland	OR	USA	97205
2016 Napa Valley Sauvignon Blanc	\$30.00	Charles	Michael	1406 Honeysuckle Lane	Longview	WA	USA	98632
2016 Napa Valley Sauvignon Blanc	\$30.00	Lucille	Boucher	4550 Pratt Avenue	Tukwila	WA	USA	98168
Airfield Estates Reserve Syrah	\$35.00	Tammi	Dennis	1140 Haymond Rocks Road	Seneca	OR	USA	97873
Montefioralle Chianti Classico	\$18.00	Stephanie	Kimber	1521 Byers Lane	Davis	CA	USA	95616
Montefioralle Chianti Classico	\$18.00	Stephanie	Kimber	1521 Byers Lane	Davis	CA	USA	95616
Montefioralle Chianti Classico	\$18.00	Stephanie	Kimber	1521 Byers Lane	Davis	CA	USA	95616
Moët Imperial	\$55.00	Albert	Turner	1121 Gateway Road	Portland	OR	USA	97205
Moët Imperial	\$55.00	Albert	Turner	1121 Gateway Road	Portland	OR	USA	97205

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# Wines by Losses Total

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Wines by Losses Total

Wines by Losses Total

Status Type	Sum(Price Paid)
Consumed	\$246.00
Damaged	\$65.00
Gifted	\$315.00
	\$626.00

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# FORMS

## Wine Entry/Update

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Wine List

Instructions:

To edit/update a wine:

Click on the pencil icon by the record you wish to change.

To enter a new wine:

Click the "Create" button on the right.

To search for a wine:

Click the magnifying glass and choose a column or all columns in which to search; enter your search term, then click "Go".

You may change the way the information is displayed by clicking the "Actions" button.

Create

Q

Go

Actions

	Wine Id	Wine Name	Vintage	Bottle Size	Storage Req	Alcohol Content	Critic Rating	Personal Rating	Price Paid	Price Sold	Rack Name	Rack Coordinates	Transaction ID	Appellation name	Varietal name	Region name	Status type	Location
	1	Moët Imperial	2017	750ml	Lay on side	12.0	-	95	\$49.00	-	RackOne	A-1	1	Champagne	-	Champagne	Purchased	Be
	2	Moët Imperial	2017	750ml	Lay on side	12.0	-	95	\$49.00	-	RackOne	A-2	1	Champagne	-	Champagne	Consumed	Be
	3	Moët Imperial	2017	750ml	Lay on side	12.0	-	95	\$49.00	-	-	-	1	Champagne	-	Champagne	Consumed	Be
	4	Moët Imperial	2017	750ml	Lay on side	12.0	-	95	\$49.00	-	RackOne	B-1	1	Champagne	-	Champagne	Purchased	Hi
	5	Moët Imperial	2017	750ml	Lay on side	12.0	-	95	\$49.00	\$55.00	-	-	2	Champagne	-	Champagne	Sold	Hi
	6	Moët Imperial	2017	750ml	Lay on side	12.0	-	95	\$49.00	\$55.00	-	-	2	Champagne	-	Champagne	Sold	Hi
	7	Moët et Chandon Dom Pérignon	2004	750ml	Keep upright	12.5	96	-	\$265.00	-	RackOne	A-4	1	Champagne	-	Champagne	Purchased	Be
	8	Moët et Chandon Dom Pérignon	2004	750ml	Keep upright	12.5	96	-	\$265.00	-	RackOne	A-5	1	Champagne	-	Champagne	Purchased	Be
		Moët et																

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Wine Entry-Update

Wine Name

Vintage

Bottle Size

Alcohol Content

Critic Rating

My Rating

Price Paid

Price Sold

Storage Requirements

- Select Storage Requirement -

Rack Name

- Select Rack Name -

Rack Coordinates

I.e., B-4

Appellation

- Select Appellation -

Varietal

- Select Varietal -

Region

- Select Region -

Inventory Status

- Select Status -

Storage

- Select Storage -

Transaction ID

Cancel

Create

# Transaction Entry/Update

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Instructions:

To edit/update a transaction:

 Click on the pencil icon by the record you wish to change.

To enter a new transaction:

 Click the "Create" button on the right.

To search for a wine:

 Click the magnifying glass and choose a column or all columns in which to search; enter your search term, then click "Go".

You may change the way the information is displayed by clicking the "Actions" button.

Create

Q

Go

Actions

	Transaction ID	Transaction Date	Transaction Type	Total Cost	Shipping Cost	Producer name	Name
	3	20-FEB-18	Purchase	\$195.00	\$15.00	Willamette Valley Vineyards	Jim Bernau
	1	05-FEB-18	Purchase	\$1,092.00	\$50.00	Moët & Chandon	
	4	04-MAR-18	Purchase	\$129.00	\$10.00	Airfield Estates	
	6	25-MAR-18	Purchase	\$792.00	\$40.00	Newton Vineyard	
	8	02-MAY-18	Purchase	\$372.00	\$40.00	William Hill Estate Winery	
	11	19-MAY-18	Purchase	\$170.00	\$30.00	Montefioralle	
	7	10-APR-18	Sale	\$225.00	\$10.00	-	Albert Turner
	2	15-FEB-18	Sale	\$110.00	\$5.00	-	Albert Turner
	5	11-MAR-18	Sale	\$35.00	\$5.00	-	Tammi Dennis
	9	06-MAY-18	Sale	\$30.00	\$5.00	-	Charles Michael
	10	06-MAY-18	Sale	\$30.00	\$5.00	-	Lucille Boucher
	12	05-JUN-18	Sale	\$54.00	\$5.00	-	Stephanie Kimber

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Transaction Entry/Update

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Log Out

Instructions:

If the transaction involves a new contact, enter the contact's information before entering the transaction.

Transaction Entry-Update

Transaction Date

Transaction Type

Total Cost

Shipping Cost

Contact

Cancel

Create

# Contact Entry/Update

Wine Collector

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Instructions:

To edit/update a contact:

 Click on the pencil icon by the record you wish to change.

To enter a new contact:

 Click the "Create" button on the right.

To search for a wine:

 Click the magnifying glass and choose a column in which to search; enter your search term, then click "Go".

 You may change the way the information is displayed by clicking the "Actions" button.

Create

Q

Go

Actions

	Contact Id	Producer Name	First Name	Last Name	Email	Phone	Address 1	Address 2	City	State	Country	Zip Code
	13	-	Tricia	-	Stormy@gmail.com	-	2575 Lansing Ave NE	-	Salem	OR	-	97301
	1	Willamette Valley Vineyards	Jim	Bernau	info@www.com	503-588-9463	8800 Enchanted Way SE	-	Turner	OR	USA	97392
	2	Moët & Chandon	-	-	visites@moet.fr	33 (0)3 26 51 20 20	20 avenue de Champagne	-	Épernay	-	FR	51200
	3	Airfield Estates	-	-	winemaking@airfieldwines.com	509-837-2401	4701 Bethany Road	-	Sunnyside	WA	USA	98944
	4	Newton Vineyard	-	-	winery@newtonvineyard.com	707-204-7423	2555 Madrona Avenue	-	St. Helena	CA	USA	94574
	5	William Hill Estate Winery	-	-	wineclub@willamhillestate.com	707-265-3024	1761 Atlas Peak Rd	-	Napa	CA	USA	94558
	6	Montefioralle	-	-	info@montefioralle.wine	+39 392 842 5595	50022 Greve in Chianti	-	Florence	-	ITL	50022
	7	-	Albert	Turner	AlbertSTurner@dayrep.com	415-945-7974	1121 Gateway Road	-	Portland	OR	USA	97205
	8	-	Tammi	Dennis	TammilDennis@dayrep.com	903-846-9014	1140 Haymond Rocks Road	-	Seneca	OR	USA	97873
	9	-	Charles	Michael	CharlesDMichael@rhyta.com	360-899-0418	1406 Honeysuckle Lane	-	Longview	WA	USA	98632
	10	-	Lorraine	Marshall	LorraineHMarshall@hotmail.com	253-985-6248	386 Hill Haven Drive	-	Seattle	WA	USA	98101
	11	-	Lucille	Boucher	LucilleTBoucher@gmail.com	360-899-0418	4550 Pratt Avenue	-	Tukwila	WA	USA	98168
	12	-	Stephanie	Kimber	StephanieRKimber@teleworm.us	530-754-6922	1521 Byers Lane	-	Davis	CA	USA	95616

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Contact Entry/Update

Producer Name

Le., Winery or Vineyard

First Name

Last Name

Email

Phone

Address 1

Address 2

City

State

Country

Zip Code

Cancel

Create

# DATA DEFINITION LANGUAGE (DDL)

## CREATE DDL

```
/* ----- */
/* Script generated with: DeZign for Databases V10.0.2 */
/* Target DBMS:          Oracle 11g */
/* Project file:         Milestone3_ERD.dez */
/* Project name:         Wine Collector's Database Milestone 3 */
/* Author:               Shayna Haole, Tricia L Holman, André J Plath */
/* Script type:          Database creation script */
/* Created on:           2018-06-09 16:37 */
/* ----- */
```

```
/* ----- */
/* Add sequences */
/* ----- */
```

```
CREATE SEQUENCE WINE_ID_SEQ
  START WITH 1
  INCREMENT BY 1
  MINVALUE 1
  NOMAXVALUE
  nocycle
  noorder;
```

```
CREATE SEQUENCE APPELLATION_ID_SEQ
  START WITH 1
  INCREMENT BY 1
  MINVALUE 1
  NOMAXVALUE
  nocycle
  noorder;
```

```
CREATE SEQUENCE VARIETAL_ID_SEQ
  START WITH 1
  INCREMENT BY 1
  MINVALUE 1
  NOMAXVALUE
  nocycle
  noorder;
```

```
CREATE SEQUENCE REGION_ID_SEQ
  START WITH 1
  INCREMENT BY 1
  MINVALUE 1
  NOMAXVALUE
  nocycle
  noorder;
```

```

CREATE SEQUENCE STATUS_ID_SEQ
    START WITH 1
    INCREMENT BY 1
    MINVALUE 1
    NOMAXVALUE
    nocycle
    noorder;

CREATE SEQUENCE STORAGE_ID_SEQ
    START WITH 1
    INCREMENT BY 1
    MINVALUE 1
    NOMAXVALUE
    nocycle
    noorder;

CREATE SEQUENCE TRANSACTION_ID_SEQ
    START WITH 1
    INCREMENT BY 1
    MINVALUE 1
    NOMAXVALUE
    nocycle
    noorder;

```

```

CREATE SEQUENCE CONTACT_ID_SEQ
    START WITH 1
    INCREMENT BY 1
    MINVALUE 1
    NOMAXVALUE
    nocycle
    noorder;

```

```

/* ----- */
/* Add tables */
/* ----- */

```

```

/* ----- */
/* Add table "STORAGE" */
/* ----- */

```

```

CREATE TABLE STORAGE (
    Storage_ID VARCHAR2(4) CONSTRAINT NN_STORAGE_Storage_ID NOT NULL,
    Location_Name VARCHAR2(45) CONSTRAINT NN_STORAGE_Location_Name NOT NULL,
    Address_1 VARCHAR2(45) CONSTRAINT NN_STORAGE_Address_1 NOT NULL,
    Address_2 VARCHAR2(45),
    City VARCHAR2(18) CONSTRAINT NN_STORAGE_City NOT NULL,
    State VARCHAR2(2) CONSTRAINT NN_STORAGE_State NOT NULL,
    Zip_Code VARCHAR2(11) CONSTRAINT NN_STORAGE_Zip_Code NOT NULL,
    CONSTRAINT PK_STORAGE PRIMARY KEY (Storage_ID)
);

```

```

/* ----- */
/* Add table "CONTACT" */
/* ----- */

```

```

CREATE TABLE CONTACT (
    Contact_ID VARCHAR2(4) CONSTRAINT NN_CONTACT_Contact_ID NOT NULL,
    Producer_Name VARCHAR2(45),
    First_Name VARCHAR2(18),
    Last_Name VARCHAR2(18),
    Email VARCHAR2(45) CONSTRAINT NN_CONTACT_Email NOT NULL,
    Phone VARCHAR2(45),
    Address_1 VARCHAR2(45) CONSTRAINT NN_CONTACT_Address_1 NOT NULL,
    Address_2 VARCHAR2(45),
    City VARCHAR2(18) CONSTRAINT NN_CONTACT_City NOT NULL,
    State VARCHAR2(2),
    Country VARCHAR2(3),
    Zip_Code VARCHAR2(11) CONSTRAINT NN_CONTACT_Zip_Code NOT NULL,
    CONSTRAINT PK_CONTACT PRIMARY KEY (Contact_ID)
);

```

```

/* ----- */
/* Add table "VARIETAL" */
/* ----- */

```

```

CREATE TABLE VARIETAL (
    Varietal_ID VARCHAR2(4) CONSTRAINT NN_VARIETAL_Varietal_ID NOT NULL,
    Varietal_Name VARCHAR2(45) CONSTRAINT NN_VARIETAL_Varietal_Name NOT NULL,
    PRIMARY KEY (Varietal_ID)
);

```

```

/* ----- */
/* Add table "INVENTORY_STATUS" */
/* ----- */

```

```

CREATE TABLE INVENTORY_STATUS (
    Status_ID VARCHAR2(4) CONSTRAINT INV_Status_ID_NN NOT NULL,
    Status_Type VARCHAR2(45) CONSTRAINT INV_Status_Type_NN NOT NULL,
    CONSTRAINT PK_INVENTORY_STATUS PRIMARY KEY (Status_ID)
);

```

```

/* ----- */
/* Add table "APPELLATION" */
/* ----- */

```

```

CREATE TABLE APPELLATION (
    Appellation_ID VARCHAR2(4) CONSTRAINT APP_App_ID_NN NOT NULL,
    Appellation_Name VARCHAR2(45) CONSTRAINT APP_App_Name_NN NOT NULL,
    CONSTRAINT PK_APPELLATION PRIMARY KEY (Appellation_ID)
);

```



```

/* ----- */
/* Add table "REGION"                                */
/* ----- */

CREATE TABLE REGION (
    Region_ID VARCHAR2(4) CONSTRAINT NN_REGION_Region_ID NOT NULL,
    Region_Name VARCHAR2(40),
    CONSTRAINT PK_REGION PRIMARY KEY (Region_ID)
);

/* ----- */
/* Add table "WINE_TRANSACTION"                        */
/* ----- */

CREATE TABLE WINE_TRANSACTION (
    Transaction_ID VARCHAR2(4) CONSTRAINT WINE_TRAN_Trans_ID_NN NOT NULL,
    Transaction_Date DATE CONSTRAINT WINE_TRAN_Trans_Date_NN NOT NULL,
    Transaction_Type VARCHAR2(45) CONSTRAINT WINE_TRAN_Trans_Type_NN NOT NULL,
    Total_Cost DECIMAL CONSTRAINT NN_WINE_TRANSACTION_Total_Cost NOT NULL,
    Shipping_Cost DECIMAL,
    Contact_ID VARCHAR2(4),
    CONSTRAINT PK_WINE_TRANSACTION PRIMARY KEY (Transaction_ID)
);

/* ----- */
/* Add table "WINE"                                    */
/* ----- */

CREATE TABLE WINE (
    Wine_ID VARCHAR2(4) CONSTRAINT NN_WINE_Wine_ID NOT NULL,
    Wine_Name VARCHAR2(45) CONSTRAINT NN_WINE_Wine_Name NOT NULL,
    Vintage VARCHAR2(45) CONSTRAINT NN_WINE_Vintage NOT NULL,
    Bottle_Size VARCHAR2(45) CONSTRAINT NN_WINE_Bottle_Size NOT NULL,
    Storage_Req VARCHAR2(45) CONSTRAINT NN_WINE_Storage_Req NOT NULL,
    Alcohol_Content VARCHAR2(9) CONSTRAINT NN_WINE_Alcohol_Content NOT NULL,
    Critic_Rating VARCHAR2(3),
    Personal_Rating VARCHAR2(3),
    Price_Paid DECIMAL CONSTRAINT NN_WINE_Price_Paid NOT NULL,
    Price_Sold DECIMAL,
    Rack_Name VARCHAR2(9),
    Rack_Coordinates VARCHAR2(9),
    Appellation_ID VARCHAR2(4),
    Varietal_ID VARCHAR2(4),
    Region_ID VARCHAR2(4),
    Status_ID VARCHAR2(4),
    Storage_ID VARCHAR2(4),
    Transaction_ID VARCHAR2(4),
    CONSTRAINT PK_WINE PRIMARY KEY (Wine_ID)
);

```

```

/* ----- */
/* Add foreign key constraints */
/* ----- */

ALTER TABLE WINE ADD CONSTRAINT VARIETAL_WINE
    FOREIGN KEY (Varietal_ID) REFERENCES VARIETAL (Varietal_ID);

ALTER TABLE WINE ADD CONSTRAINT INVENTORY_STATUS_WINE
    FOREIGN KEY (Status_ID) REFERENCES INVENTORY_STATUS (Status_ID);

ALTER TABLE WINE ADD CONSTRAINT STORAGE_WINE
    FOREIGN KEY (Storage_ID) REFERENCES STORAGE (Storage_ID);

ALTER TABLE WINE ADD CONSTRAINT APPELLATION_WINE
    FOREIGN KEY (Appellation_ID) REFERENCES APPELLATION (Appellation_ID);

ALTER TABLE WINE ADD CONSTRAINT REGION_WINE
    FOREIGN KEY (Region_ID) REFERENCES REGION (Region_ID);

ALTER TABLE WINE ADD CONSTRAINT WINE_TRANSACTION_WINE
    FOREIGN KEY (Transaction_ID) REFERENCES WINE_TRANSACTION
(Transaction_ID);

ALTER TABLE WINE_TRANSACTION ADD CONSTRAINT CONTACT_WINE_TRANSACTION
    FOREIGN KEY (Contact_ID) REFERENCES CONTACT (Contact_ID);

```

## DROP DDL

```
/* ----- */
/* Script generated with: DeZign for Databases V10.0.2 */
/* Target DBMS: Oracle 11g */
/* Project file: Milestone3_ERD.dez */
/* Project name: Wine Collector's Database Milestone 3 */
/* Author: Shayna Haole, Tricia L Holman, André J Plath */
/* Script type: Database drop script */
/* Created on: 2018-06-09 16:37 */
/* ----- */

/* ----- */
/* Drop foreign key constraints */
/* ----- */

ALTER TABLE WINE DROP CONSTRAINT VARIETAL_WINE;

ALTER TABLE WINE DROP CONSTRAINT INVENTORY_STATUS_WINE;

ALTER TABLE WINE DROP CONSTRAINT STORAGE_WINE;

ALTER TABLE WINE DROP CONSTRAINT APPELLATION_WINE;

ALTER TABLE WINE DROP CONSTRAINT REGION_WINE;

ALTER TABLE WINE DROP CONSTRAINT WINE_TRANSACTION_WINE;

ALTER TABLE WINE_TRANSACTION DROP CONSTRAINT CONTACT_WINE_TRANSACTION;


/* ----- */
/* Drop table "WINE" */
/* ----- */

/* Drop constraints */

ALTER TABLE WINE DROP CONSTRAINT NN_WINE_Wine_ID;

ALTER TABLE WINE DROP CONSTRAINT NN_WINE_Wine_Name;

ALTER TABLE WINE DROP CONSTRAINT NN_WINE_Vintage;

ALTER TABLE WINE DROP CONSTRAINT NN_WINE_Bottle_Size;

ALTER TABLE WINE DROP CONSTRAINT NN_WINE_Storage_Req;

ALTER TABLE WINE DROP CONSTRAINT NN_WINE_Alcohol_Content;

ALTER TABLE WINE DROP CONSTRAINT NN_WINE_Price_Paid;

ALTER TABLE WINE DROP CONSTRAINT PK_WINE;

DROP TABLE WINE;
```

```

/* ----- */
/* Drop table "WINE_TRANSACTION" */
/* ----- */

/* Drop constraints */

ALTER TABLE WINE_TRANSACTION DROP CONSTRAINT WINE_TRAN_Trans_ID_NN;
ALTER TABLE WINE_TRANSACTION DROP CONSTRAINT WINE_TRAN_Trans_Date_NN;
ALTER TABLE WINE_TRANSACTION DROP CONSTRAINT WINE_TRAN_Trans_Type_NN;
ALTER TABLE WINE_TRANSACTION DROP CONSTRAINT NN_WINE_TRANSACTION_Total_Cost;
ALTER TABLE WINE_TRANSACTION DROP CONSTRAINT PK_WINE_TRANSACTION;
DROP TABLE WINE_TRANSACTION;


/* ----- */
/* Drop table "REGION" */
/* ----- */

/* Drop constraints */

ALTER TABLE REGION DROP CONSTRAINT NN_REGION_Region_ID;
ALTER TABLE REGION DROP CONSTRAINT PK_REGION;
DROP TABLE REGION;


/* ----- */
/* Drop table "APPELLATION" */
/* ----- */

/* Drop constraints */

ALTER TABLE APPELLATION DROP CONSTRAINT APP_App_ID_NN;
ALTER TABLE APPELLATION DROP CONSTRAINT APP_App_Name_NN;
ALTER TABLE APPELLATION DROP CONSTRAINT PK_APPELLATION;
DROP TABLE APPELLATION;

```

```

/* ----- */
/* Drop table "INVENTORY_STATUS" */
/* ----- */

/* Drop constraints */

ALTER TABLE INVENTORY_STATUS DROP CONSTRAINT INV_Status_ID_NN;

ALTER TABLE INVENTORY_STATUS DROP CONSTRAINT INV_Status_Type_NN;

ALTER TABLE INVENTORY_STATUS DROP CONSTRAINT PK_INVENTORY_STATUS;

DROP TABLE INVENTORY_STATUS;


/* ----- */
/* Drop table "VARIETAL" */
/* ----- */

/* Drop constraints */

ALTER TABLE VARIETAL DROP CONSTRAINT NN_VARIETAL_Varietal_ID;

ALTER TABLE VARIETAL DROP CONSTRAINT NN_VARIETAL_Varietal_Name;

DROP TABLE VARIETAL;


/* ----- */
/* Drop table "CONTACT" */
/* ----- */

/* Drop constraints */

ALTER TABLE CONTACT DROP CONSTRAINT NN_CONTACT_Contact_ID;

ALTER TABLE CONTACT DROP CONSTRAINT NN_CONTACT_Email;

ALTER TABLE CONTACT DROP CONSTRAINT NN_CONTACT_Address_1;

ALTER TABLE CONTACT DROP CONSTRAINT NN_CONTACT_City;

ALTER TABLE CONTACT DROP CONSTRAINT NN_CONTACT_Zip_Code;

ALTER TABLE CONTACT DROP CONSTRAINT PK_CONTACT;

DROP TABLE CONTACT;

```

```

/* ----- */
/* Drop table "STORAGE" */
/* ----- */

/* Drop constraints */

ALTER TABLE STORAGE DROP CONSTRAINT NN_STORAGE_Storage_ID;
ALTER TABLE STORAGE DROP CONSTRAINT NN_STORAGE_Location_Name;
ALTER TABLE STORAGE DROP CONSTRAINT NN_STORAGE_Address_1;
ALTER TABLE STORAGE DROP CONSTRAINT NN_STORAGE_City;
ALTER TABLE STORAGE DROP CONSTRAINT NN_STORAGE_State;
ALTER TABLE STORAGE DROP CONSTRAINT NN_STORAGE_Zip_Code;
ALTER TABLE STORAGE DROP CONSTRAINT PK_STORAGE;

DROP TABLE STORAGE;


/* ----- */
/* Drop sequences */
/* ----- */

DROP SEQUENCE WINE_ID_SEQ;
DROP SEQUENCE APPELLATION_ID_SEQ;
DROP SEQUENCE VARIETAL_ID_SEQ;
DROP SEQUENCE REGION_ID_SEQ;
DROP SEQUENCE STATUS_ID_SEQ;
DROP SEQUENCE STORAGE_ID_SEQ;
DROP SEQUENCE TRANSACTION_ID_SEQ;
DROP SEQUENCE CONTACT_ID_SEQ;

```

# DATA MANIPULATION LANGUAGE (DML)

## DML CREATE FUNCTIONS

```
/* ----- */
/* Project file:      DML_CreateFunctions.sql      */
/* Project name:      Wine Collector's Database Milestone 3      */
/* Author:            Shayna Haole, Tricia L Holman, André J Plath      */
/* Script type:       Create Functions script      */
/* Created on:        2018-06-09 13:37      */
/* ----- */
```

```
/* ----- */
/* Create function to get next value of APPELLATION_ID_SEQ      */
/* for multi-insert operations      */
/* ----- */
```

```
CREATE FUNCTION GET_APPELLATION_SEQ RETURN NUMBER IS
BEGIN
    RETURN APPELLATION_ID_SEQ.nextval;
END GET_APPELLATION_SEQ;
/
```

```
/* ----- */
/* Create function to get next value of CONTACT_ID_SEQ      */
/* for multi-insert operations      */
/* ----- */
```

```
CREATE FUNCTION GET_CONTACT_SEQ RETURN NUMBER IS
BEGIN
    RETURN CONTACT_ID_SEQ.nextval;
END GET_CONTACT_SEQ;
/
```

```
/* ----- */
/* Create function to get next value of REGION_ID_SEQ      */
/* for multi-insert operations      */
/* ----- */
```

```
CREATE FUNCTION GET_REGION_SEQ RETURN NUMBER IS
BEGIN
    RETURN REGION_ID_SEQ.nextval;
END GET_REGION_SEQ;
/
```

```

/* ----- */
/* Create function to get next value of STATUS_ID_SEQ */
/* for multi-insert operations */
/* ----- */

CREATE FUNCTION GET_STATUS_SEQ RETURN NUMBER IS
BEGIN
    RETURN STATUS_ID_SEQ.nextval;
END GET_STATUS_SEQ;
/

/* ----- */
/* Create function to get next value of STORAGE_ID_SEQ */
/* for multi-insert operations */
/* ----- */

CREATE FUNCTION GET_STORAGE_SEQ RETURN NUMBER IS
BEGIN
    RETURN STORAGE_ID_SEQ.nextval;
END GET_STORAGE_SEQ;
/

/* ----- */
/* Create function to get next value of TRANSACTION_ID_SEQ */
/* for multi-insert operations */
/* ----- */

CREATE FUNCTION GET_TRANSACTION_SEQ RETURN NUMBER IS
BEGIN
    RETURN TRANSACTION_ID_SEQ.nextval;
END GET_TRANSACTION_SEQ;
/

/* ----- */
/* Create function to get next value of VARIETAL_ID_SEQ */
/* for multi-insert operations */
/* ----- */

CREATE FUNCTION GET_VARIETAL_SEQ RETURN NUMBER IS
BEGIN
    RETURN VARIETAL_ID_SEQ.nextval;
END GET_VARIETAL_SEQ;
/

```



```

/* ----- */
/* Create function to get next value of WINE_ID_SEQ */
/* for multi-insert operations */
/* ----- */

CREATE FUNCTION GET_WINE_SEQ RETURN NUMBER IS
BEGIN
    RETURN WINE_ID_SEQ.nextval;
END GET_WINE_SEQ;
/

```

## DML DROP FUNCTIONS

```

/* ----- */
/* Project file:          DML_DropFunctions.sql */
/* Project name:         Wine Collector's Database Milestone 3 */
/* Author:               Shayna Haole, Tricia L Holman, André J Plath */
/* Script type:          Drop Functions script */
/* Created on:           2018-06-09 13:37 */
/* ----- */

DROP FUNCTION GET_APELLATION_SEQ;
DROP FUNCTION GET_CONTACT_SEQ;
DROP FUNCTION GET_REGION_SEQ;
DROP FUNCTION GET_STATUS_SEQ;
DROP FUNCTION GET_STORAGE_SEQ;
DROP FUNCTION GET_TRANSACTION_SEQ;
DROP FUNCTION GET_VARIETAL_SEQ;
DROP FUNCTION GET_WINE_SEQ;

```

## DML INSERTS

```
/* ----- */
/* Project file:      DML_Inserts.sql                      */
/* Project name:      Wine Collector's Database Milestone 3 */
/* Author:            Shayna Haole, Tricia L Holman, André J Plath */
/* Script type:       Insert data script                  */
/* Created on:        2018-06-09 13:37                    */
/* ----- */
```

```
/* ----- */
/* Insert values into APPELLATION table                    */
/* ----- */
```

```
INSERT ALL
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Pomerol')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Sauternes')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Bolgheri')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Chianti Classico')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Maremma')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Aglianico del Vulture')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Brunello di Montalcino')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Franciacorta')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Barolo')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Cote de Beaune')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Medoc')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Verdicchio')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Willamette Valley')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Champagne')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Yakima Valley')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Spring Mountain District AVA')
INTO APPELLATION (Appellation_ID, Appellation_Name) VALUES
(GET_APPELLATION_SEQ, 'Napa Valley')
SELECT * FROM dual;
```

```

/* ----- */
/* Insert values into VARIETAL table */
/* ----- */

INSERT ALL
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Chardonnay')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ,
'Cabernet Sauvignon')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Zinfandel')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Pinot Noir')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Syrah')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Merlot')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Shiraz')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Semillon')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ,
'Sauvignon Blanc')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Merlot
Blanc')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ,
'Sauvignon Gris')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Muscadelle')
INTO VARIETAL (Varietal_ID, Varietal_Name) VALUES (GET_VARIETAL_SEQ, 'Malbec')
SELECT * FROM dual;

```

```

/* ----- */
/* Insert values into REGION table */
/* ----- */

INSERT ALL
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Napa')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Willamette Valley')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Columbia Valley')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Bordeaux')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Burgundy')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Beaujolais')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Champagne')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Provence')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Tuscany')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Lombardy')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Santa Barbara')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Southern Oregon')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Clara Valley')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Alsace')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Lorie')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Piedmont')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Veneto')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Abruzzo')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Campania')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Sicily')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Sonoma')
INTO REGION (Region_ID, Region_Name) VALUES (GET_REGION_SEQ, 'Carneros')
SELECT * FROM dual;

```

```

/* ----- */
/* Insert values into INVENTORY_STATUS table */
/* ----- */

```

```

INSERT ALL
INTO INVENTORY_STATUS (Status_ID, Status_Type) VALUES (GET_STATUS_SEQ,
'Purchased')
INTO INVENTORY_STATUS (Status_ID, Status_Type) VALUES (GET_STATUS_SEQ,
'Sold')
INTO INVENTORY_STATUS (Status_ID, Status_Type) VALUES (GET_STATUS_SEQ,
'Gifted')
INTO INVENTORY_STATUS (Status_ID, Status_Type) VALUES (GET_STATUS_SEQ,
'Consumed')
INTO INVENTORY_STATUS (Status_ID, Status_Type) VALUES (GET_STATUS_SEQ,
'Damaged')
SELECT * FROM dual;

```

```

/* ----- */
/* Insert values into STORAGE table */
/* ----- */

```

```

INSERT ALL
INTO STORAGE (Storage_ID, Location_Name, Address_1, Address_2, City, State,
Zip_Code)
VALUES (GET_STORAGE_SEQ, 'Home Cellar', '4940 Buena Vista Avenue', null,
'Central Point', 'OR', '97502')
INTO STORAGE (Storage_ID, Location_Name, Address_1, Address_2, City, State,
Zip_Code)
VALUES (GET_STORAGE_SEQ, 'Basement Cellar', '736 Buena Vista Avenue', null,
'Central Point', 'OR', '97502')
INTO STORAGE (Storage_ID, Location_Name, Address_1, Address_2, City, State,
Zip_Code)
VALUES (GET_STORAGE_SEQ, 'Beach House', '3458 Seneca Drive', null, 'Pacific
City', 'OR', '97135')
SELECT * FROM dual;

```

```

/* ----- */
/* Insert values into CONTACT table */
/* ----- */

```

```

INSERT ALL
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, 'Willamette Valley Vineyards', 'Jim', 'Bernau',
'info@wvv.com', '503-588-9463', '8800 Enchanted Way SE', null, 'Turner',
'OR', 'USA', '97392')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, 'Moët & Chandon', null, null, 'visites@moet.fr',
'33 (0)3 26 51 20 20', '20 avenue de Champagne', null, 'Vâpernay', null,
'FR', '51200')

```

```

INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, 'Airfield Estates', null, null,
'winemaking@airfieldwines.com', '509-837-2401', '4701 Bethany Road', null,
'Sunnyside', 'WA', 'USA', '98944')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, 'Newton Vineyard', null, null,
'winery@newtonvineyard.com', '707-204-7423', '2555 Madrona Avenue', null,
'St. Helena', 'CA', 'USA', '94574')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, 'William Hill Estate Winery', null, null,
'wineclub@williamhillestate.com', '707-265-3024', '1761 Atlas Peak Rd', null,
'Napa', 'CA', 'USA', '94558')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, 'Montefioralle', null, null,
'info@montefioralle.wine', '+39 392 842 5595', '50022 Greve in Chianti',
null, 'Florence', null, 'ITL', '50022')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, null, 'Albert', 'Turner',
'AlbertSTurner@dayrep.com', '415-845-7974', '1121 Gateway Road', null,
'Portland', 'OR', 'USA', '97205')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, null, 'Tammi', 'Dennis', 'TammiLDennis@dayrep.com',
'903-846-9014', '1140 Haymond Rocks Road', null, 'Seneca', 'OR', 'USA', '97873')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, null, 'Charles', 'Michael',
'CharlesDMichael@rhyta.com', '360-899-0418', '1406 Honeysuckle Lane', null,
'Longview', 'WA', 'USA', '98632')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, null, 'Lorraine', 'Marshall',
'LorraineHMarshall@hotmail.com', '253-985-6248', '386 Hill Haven Drive',
null, 'Seattle', 'WA', 'USA', '98101')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, null, 'Lucille', 'Boucher',
'LucilleTBoucher@gmail.com', '360-899-0418', '4550 Pratt Avenue', null,
'Tukwila', 'WA', 'USA', '98168')
INTO CONTACT (Contact_ID, Producer_Name, First_Name, Last_Name, Email, Phone,
Address_1, Address_2, City, State, Country, Zip_Code)
VALUES (GET_CONTACT_SEQ, null, 'Stephanie', 'Kimber',
'StephanieRKimber@teleworm.us', '530-754-6922', '1521 Byers Lane', null,
'Davis', 'CA', 'USA', '95616')
SELECT * FROM dual;

```

```

/* ----- */
/* Insert values into WINE_TRANSACTION table */
/* ----- */

```

```

INSERT ALL
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '02-05-2017', 'Purchase', 1091.94, 50.00, 2)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '02-15-2017', 'Sale', 110.00, 5.00, 7)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '02-20-2017', 'Purchase', 195.00, 15.00, 1)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '03-04-2017', 'Purchase', 129.00, 10.00, 3)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '03-11-2017', 'Sale', 35.00, 5.00, 8)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '03-25-2017', 'Purchase', 792.00, 40.00, 4)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '04-10-2017', 'Sale', 225.00, 10.00, 7)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '05-02-2017', 'Purchase', 372.00, 40.00, 5)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '05-06-2017', 'Sale', 30.00, 5.00, 9)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '05-06-2017', 'Sale', 30.00, 5.00, 11)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '05-19-2017', 'Purchase', 169.80, 30.00, 6)
INTO WINE_TRANSACTION (Transaction_ID, Transaction_Date, Transaction_Type,
Total_Cost, Shipping_Cost, Contact_ID)
VALUES (GET_TRANSACTION_SEQ, '05-06-2017', 'Sale', 54.00, 5.00, 12)
SELECT * FROM dual;

```

```

/* ----- */
/* Insert values into WINE table */
/* ----- */

```

```

INSERT ALL
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't Imperial', '2017', '750ml', 'Lay on side',
'12.0', null, 95, 49.49, null, 'RackOne', 'A-1', 14, null, 7, 1, 3, 1)

```

```

INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't Imperial', '2017', '750ml', 'Lay on side',
'12.0', null, 95, 49.49, null, 'RackOne', 'A-2', 14, null, 7, 1, 3, 1)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't Imperial', '2017', '750ml', 'Lay on side',
'12.0', null, 95, 49.49, null, null, null, 14, null, 7, 4, 3, 1)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't Imperial', '2017', '750ml', 'Lay on side',
'12.0', null, 95, 49.49, null, 'RackOne', 'B-1', 14, null, 7, 1, 1, 1)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't Imperial', '2017', '750ml', 'Lay on side',
'12.0', null, 95, 49.49, 55.00, null, null, 14, null, 7, 2, 1, 2)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't Imperial', '2017', '750ml', 'Lay on side',
'12.0', null, 95, 49.49, 55.00, null, null, 14, null, 7, 2, 1, 2)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't et Chandon Dom Perignon', '2004', '750ml', 'Keep
upright', '12.5', '96', null, 265.00, null, 'RackOne', 'A-4', 14, null, 7, 1,
3, 1)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't et Chandon Dom Perignon', '2004', '750ml', 'Keep
upright', '12.5', '96', null, 265.00, null, 'RackOne', 'A-5', 14, null, 7, 1,
3, 1)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'MoV't et Chandon Dom Perignon', '2004', '750ml', 'Keep
upright', '12.5', '96', null, 265.00, null, null, null, 14, null, 7, 3, 3, 1)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Signature Cuvee Pinot Noir', '2014', '750ml', 'Lay on
side', '14', null, null, 65.00, null, 'RackOne', 'B-4', 13, 4, 2, 1, 2, 3)

```

```

INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Signature Cuvee Pinot Noir', '2014', '750ml', 'Lay on
side', '14', null, null, 65.00, null, 'RackOne', 'B-5', 13, 4, 2, 1, 2, 3)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Signature Cuvee Pinot Noir', '2014', '750ml', 'Lay on
side', '14', null, null, 65.00, null, null, null, 13, 4, 2, 5, 2, 3)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Airfield Estates Reserve Syrah', '2014', '750ml', 'Lay
on side', '14.4', null, null, 25.00, null, 'RackOne', 'B-2', 15, 5, 3, 1, 1, 4)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Airfield Estates Reserve Syrah', '2014', '750ml', 'Lay
on side', '14.4', null, null, 25.00, null, 'RackOne', 'B-3', 15, 5, 3, 1, 1, 4)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Airfield Estates Reserve Syrah', '2014', '750ml', 'Lay
on side', '14.4', null, null, 25.00, 35.00, null, null, 15, 5, 3, 2, 1, 5)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Airfield Estates Merlot', '2014', '750ml', 'Lay on
side', '14.2', null, null, 18.00, null, 'RackTwo', 'A-1', 15, 6, 3, 1, 1, 4)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Airfield Estates Merlot', '2014', '750ml', 'Lay on
side', '14.2', null, null, 18.00, null, 'RackTwo', 'A-2', 15, 6, 3, 1, 1, 4)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Airfield Estates Merlot', '2014', '750ml', 'Lay on
side', '14.2', null, null, 18.00, null, null, null, 15, 6, 3, 4, 1, 4)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'C-1', 16, 4, 1, 1, 1, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,

```



```

Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'C-2', 16, 4, 1, 1, 1, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'C-3', 16, 4, 1, 1, 1, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'C-4', 16, 4, 1, 1, 1, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'C-5', 16, 4, 1, 1, 1, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, null, null, 16, 4, 1, 4, 1, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'D-1', 16, 4, 1, 1, 2, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'D-2', 16, 4, 1, 1, 2, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, null, 'RackOne', 'D-3', 16, 4, 1, 1, 2, 6)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, 75.00, null, null, 16, 4, 1, 2, 1, 7)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)

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```

VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, 75.00, null, null, 16, 4, 1, 2, 1, 7)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Unfiltered Pinot Noir', '2015', '750ml', 'Lay on
side', '13.5', null, null, 66.00, 75.00, null, null, 16, 4, 1, 2, 1, 7)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Napa Valley Cabernet Sauvignon', '2015', '750ml',
'Lay on side', '15.0', null, null, 50.00, null, 'RackOne', 'A-1', 17, 2, 1,
1, 2, 8)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Napa Valley Cabernet Sauvignon', '2015', '750ml',
'Lay on side', '15.0', null, null, 50.00, null, 'RackOne', 'A-2', 17, 2, 1,
1, 2, 8)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Napa Valley Cabernet Sauvignon', '2015', '750ml',
'Lay on side', '15.0', null, null, 50.00, null, 'RackOne', 'A-3', 17, 2, 1,
1, 2, 8)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Napa Valley Cabernet Sauvignon', '2015', '750ml',
'Lay on side', '15.0', null, null, 50.00, null, 'RackOne', 'A-4', 17, 2, 1,
1, 2, 8)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Napa Valley Cabernet Sauvignon', '2015', '750ml',
'Lay on side', '15.0', null, null, 50.00, null, null, null, 17, 2, 1, 4, 2, 8)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2015 Napa Valley Cabernet Sauvignon', '2015', '750ml',
'Lay on side', '15.0', null, null, 50.00, null, null, null, 17, 2, 1, 3, 2, 8)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2016 Napa Valley Sauvignon Blanc', '2016', '750ml',
'Lay on side', '14.2', null, null, 24.00, null, 'RackTwo', 'A-3', 17, 1, 1,
1, 1, 8)

```

```

INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2016 Napa Valley Sauvignon Blanc', '2016', '750ml', 'Lay
on side', '14.2', null, null, 24.00, 30.00, null, null, 17, 1, 1, 1, 1, 9)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, '2016 Napa Valley Sauvignon Blanc', '2016', '750ml', 'Lay
on side', '14.2', null, null, 24.00, 30.00, null, null, 17, 1, 1, 2, 1, 10)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'A-5', 4, null, 9, 1,
1, 11)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'A-6', 4, null, 9, 1,
1, 11)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'B-1', 4, null, 9, 1,
1, 11)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'B-2', 4, null, 9, 1,
1, 11)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'B-3', 4, null, 9, 1,
1, 11)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'B-4', 4, null, 9, 1,
1, 11)
INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,

```

```

Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'B-5', 4, null, 9, 1,
1, 11)
INSERT INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, 'RackTwo', 'B-6', 4, null, 9, 1,
1, 11)
INSERT INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, 18.00, null, null, 4, null, 9, 2, 1, 12)
INSERT INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, 18.00, null, null, 4, null, 9, 2, 1, 12)
INSERT INTO WINE (Wine_ID, Wine_Name, Vintage, Bottle_Size, Storage_Req,
Alcohol_Content, Critic_Rating, Personal_Rating, Price_Paid, Price_Sold,
Rack_Name, Rack_Coordinates, Appellation_ID, Varietal_ID, Region_ID,
Status_ID, Storage_ID, Transaction_ID)
VALUES (GET_WINE_SEQ, 'Montefioralle Chianti Classico', '2015', '750ml', 'Lay
on side', '12.5', null, null, 14.15, null, null, null, 4, null, 9, 4, 1, 11)
SELECT * FROM dual;

```

# GLOSSARY

**APPELLATION** This is a look-up table to preserve consistency in the definition of the wine collection and to ensure accurate queries. It will allow us to define a wine's appellation. The database will be set up with common appellations defined.

A wine's **appellation** defines the area where a wine's grapes were grown, such as Bordeaux, Gevrey-Chambertin, Alexander Valley or Russian River Valley. Regulations vary widely from country to country. In order to use an appellation on a California wine label, for example, 85 percent of the grapes used to make the wine must be grown in the specified district. See also *appellation d'origine contrôlée*.

**Appellation d'origine contrôlée (AOC):** The French system of appellations, begun in the 1930s and considered the wine world's prototype. To carry an appellation in this system, a wine must follow rules describing the area the grapes are grown in, the varieties used, the ripeness, the alcoholic strength, the vineyard yields and the methods used in growing the grapes and making the wine.

## **Attributes for the APPELLATION table:**

**Appellation\_ID:** Auto number key field to uniquely identify a pre-defined appellation.

**Appellation\_Name:** The proper/formal name of a wine's appellation.

---

**CONTACT** The individual with whom a wine transaction is conducted – may be the individual wine is purchased from, or sold to.

## **Attributes for the CONTACT table:**

**Address\_1 & Address\_2:** The street address of contact for either purchase or sale of a wine. The second field is for overflow address information.

**Contact\_ID:** Auto number key field to uniquely identify a contact.

**City:** The city where a contact is located.

**Country:** The country where a contact is located.

**Email:** The email address for a contact.

**First\_Name:** The first name of a contact.

**Last\_Name:** The last name of a contact.

**Phone:** The phone number for a contact.

**Producer\_Name:** If a particular contact is also a wine *producer*, then include their business name here.

**State:** The state where a contact is located.

**Zip\_Code:** The zip code for a contact.

---

**INVENTORY\_STATUS** This is a look-up table to preserve consistency in the definition of the wine collection and to ensure accurate queries. It will allow us to keep track of a wine's current status in the collection.

**Attributes for the INVENTORY\_STATUS table:**

**Status\_ID:** Auto number key field to uniquely identify a pre-defined inventory status for a wine.

**Status\_Type:** A pre-defined status to track what has happened with each bottle of wine. Wines may be: purchased (in other words, on-hand – currently in the collection), gifted, served/consumed, damaged, or sold.

---

**REGION** This is a look-up table to preserve consistency in the definition of the wine collection and to ensure accurate queries. It will allow us keep track which region within a country that a wine was originated from.

**Attributes for the REGION table:**

**Region\_ID:** Auto number key field to uniquely identify a pre-defined region for a wine.

**Region\_Name:** The region within the country of origin a wine is from.

---

**STORAGE** The site location of a specific wine – as well as which rack the wine is stored in, and it's coordinates in that rack.

**Attributes for the STORAGE table:**

**Address\_1 & Address\_2:** The street address of the storage location for a wine. The second field is for overflow address information.

**City:** The city of the storage location for a wine.

**Location\_Name:** The site where the wine is kept, as in the building – home, vacation home, etc.

**State:** The state of either a contact or producer in the CONTACT or PRODUCER tables.

**Storage\_ID:** Auto number key field to uniquely identify the storage specifics for each bottle of wine (where the bottle went to after purchase).

**Zip\_Code:** The zip code of the storage location for a wine.

---

**WINE** All of the descriptors necessary to uniquely identify a specific bottle of wine.

**Attributes for the WINE table:**

**Alcohol\_Content:** Alcohol percentage of a wine.

**Bottle\_Size:** The size of the wine bottle.

**Critic\_Rating:** A rating based on a critic's review or palate in a publication.

**Personal\_Rating:** A rating for a particular wine based on a scale of 1-10. Higher number indicates higher likability by individual wine consumer. Whilst a lower number indicates a less likability by individual wine consumer.

**Price\_Paid:** The price paid to purchase a wine to add to the collection.

**Price\_Sold:** The price received for the sale of a wine from the collection.

**Rack\_Coordinates:** Each rack has a grid system for quickly and easily locating a specific wine, named by column (aka “across”, designated with letters) and row (aka “down”, designated with numbers). For instance, a wine may be at the coordinate **F-36**.

**Rack\_Name:** The rack where a bottle of wine is kept.

**Storage\_Req:** A field that indicates whether a wine needs to be store on side/upside down and/or straight up. Wines with natural corks should be stored on side or upside down. Wines with artificial corks or bottle caps can be stored straight up for maximum utilization of storage space.

**Vintage:** The year a wine was bottled.

**Wine\_ID:** Auto number key field to uniquely identify a wine.

**Wine\_Name:** A field that indicates the name of a wine.

**Foreign Keys for the WINE table:** These are the primary keys of related tables in the database, which are present in the WINE table, to establish a connection. In many cases, for the WINE table, we are connecting these attributes to separate tables to ensure data consistency for ease of queries and reports.

**Appellation\_ID**

**Varietal\_ID**

**Region\_ID**

**Status\_ID**

**Storage\_ID**

**Transaction\_ID**

---

**WINE\_TRANSACTION** A table to record each purchase and/or sale transaction of wines.

**Attributes for the WINE\_TRANSACTION table:**

**Shipping\_Cost:** Dollar amount for shipping of a wine in either purchase or sale.

**Total\_Cost:** Total cost for a transaction.

**Transaction\_Date:** A field that indicates the date a transaction took place.



**Transaction\_ID:** Auto number key field to uniquely identify each transaction.

**Transaction\_Type:** A field that indicates the transaction type (Purchase, Sale, Gift, and/or Promo).

**Foreign Keys for the WINE\_TRANSACTION table:** This is the primary key of a related table in the database, which is present in the TRANSACTION table, to establish a connection. In this case, we are connecting a specific wine with a specific transaction; and a specific transaction with a specific contact.

**Contact\_ID**

---

**VARIETAL** This is a look-up table to preserve consistency in the definition of the wine collection and to ensure accurate queries. It will allow us to define a wine's varietal. The database will be set up with common varietals defined.

A varietal wine is a wine made primarily from a single named grape variety, and which typically displays the name of that variety on the wine label. Examples of grape varieties commonly used in varietal wines are Cabernet Sauvignon, Chardonnay and Merlot.

Varietal is used in several ways to describe wine or wine grapes:

- 1) The original use was to distinguish between wines made with one grape variety and wines made from blends of grapes. Varietals are wines made with at least 85% of one grape. The name of the grape appears on the label.
- 2) Eventually, the term varietal was transformed into an adjective or adverb to describe the characteristics of a wine. If a wine is "varietally true", it means that it shows all the typical characteristics - mouthfeel, color, flavor, aroma, etc. - of the grape varietals used in the wine.
- 3) The final use is in reference to the grape or vine. Pinot Noir is a varietal, or grape variety, that produces a red wine.

**Attributes for the VARIETAL table:**

**Varietal\_ID:** Auto number key field to uniquely identify a pre-defined varietal.

**Varietal\_Name:** The proper/formal name of a wine's varietal.