



DIONYSUS

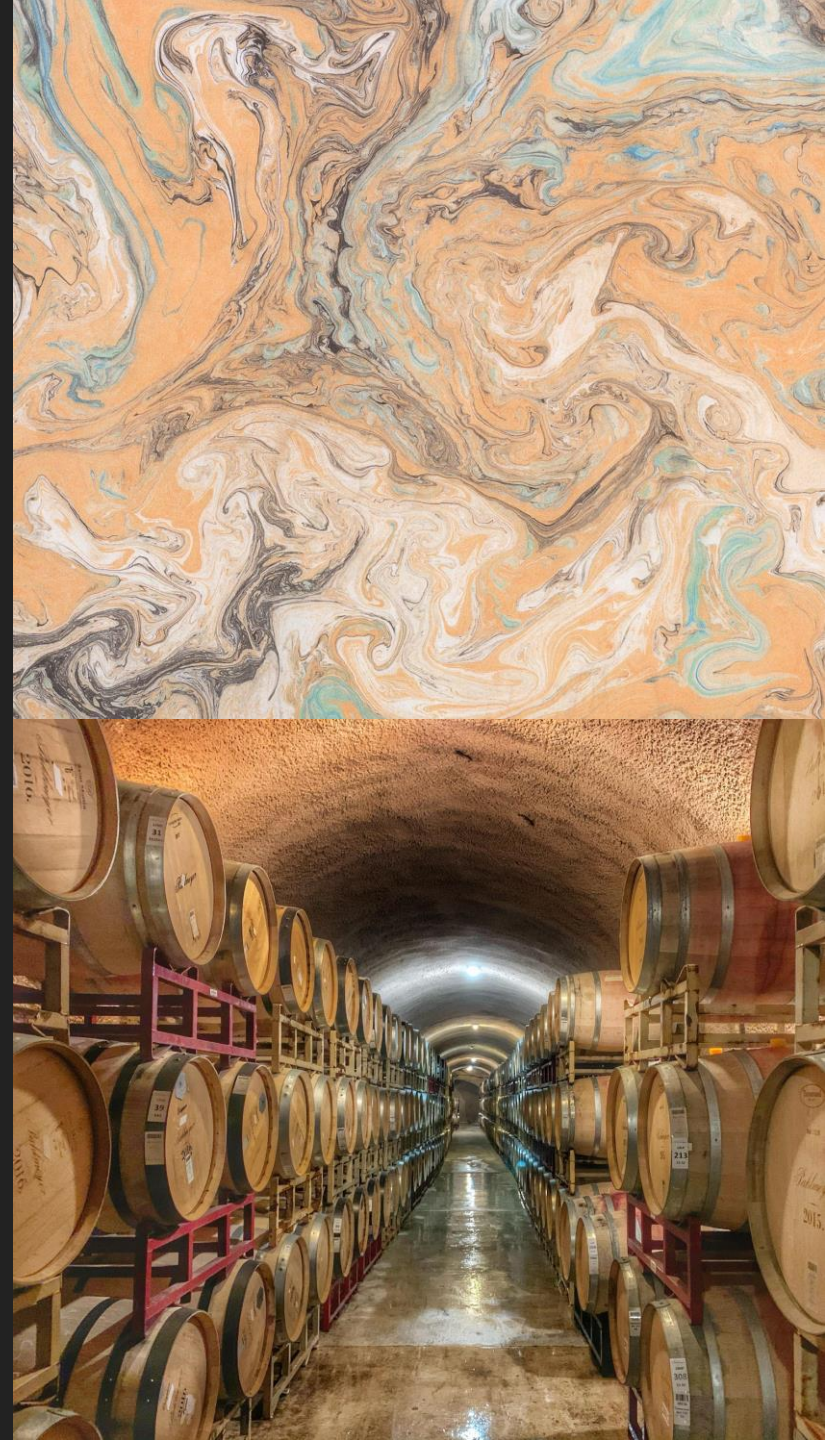
Ndlovu, Siyamthanda · Zitha, Simphiwe Jessica · Green, Charlotte Lauren · Rampa, Nthathi
Kekeletso · Proudfoot, Rourke · Zondo , Katlego Nicole · Borchard, Nerina·

DIONYSUS



Named after the Greek God of Wine, Insanity and
certainly more...Dionysus acting as a way to connect
you to your desired experience.

Let the insanity begin.





Overview

Dionysus has set out to allow wineries and possible customers to have easy and user friendly access to the beauty that is Winery Tourism.

The group has went forward with the purpose and aim of bridging the gap between technology and wine, making the old, new and refreshing.

A field that has contributed much to our country, South Africa, deserves its own recognition.



Task 1 : Research



GENERAL OVERVIEW AND EXPLANATION

Wine Tourism is the act of exploring wine.

South Africa is confirmed to have over 2690 wineries.

South Africa ranks 8th in the world for wine-production.

Wine Tourism has a lot to offer for different people who may require different experiences to ensure their uniqueness shines.



WINE TYPES OR CATEGORIES EXPLAINED

There are 6 main categories of wine all with their own extensions.

Reds are characterised by their dark flavours and tannins.

Whites are characterised by their light flavours.

Rosé has two distinct characteristic groups, namely dry and sweet.

Sparkling wines are carbonated.

Dessert wines are very sweet.

Fortified wines have added spirits.



WINE POINTS AND PRICES

Wines are scored on a scale, up to 100.

Wine prices on average are priced from range R50-R120 per bottle, but that does not mean that the prices are allows in this range and at times can cost more.

Pricing is influenced by many factors.

Factors such as quality, reputation, market and much more play a role.

Wines can fall into 4 ranks:

Entry-level

Mid-range

Premium

Iconic



OTHER USEFUL INFORMATION FOR A WINE TOURIST

Wine tourists can enjoy various experiences such as wine tasting, wine tours, immersive wine making, grape or wine festivals and much more.

Often history tends to play a role in the details of wine.

Wine in South Africa is popular in Cape Town.

Notable farms include:
Groot Constantia
Stellenbosch Vineyards
Franschhoek Wine Valley
Meerlust Estate

...



TASK 2 : (E)ER DIAGRAM



EXPERIENCE

One thing we can say with certainty is that trial and error was the experience.

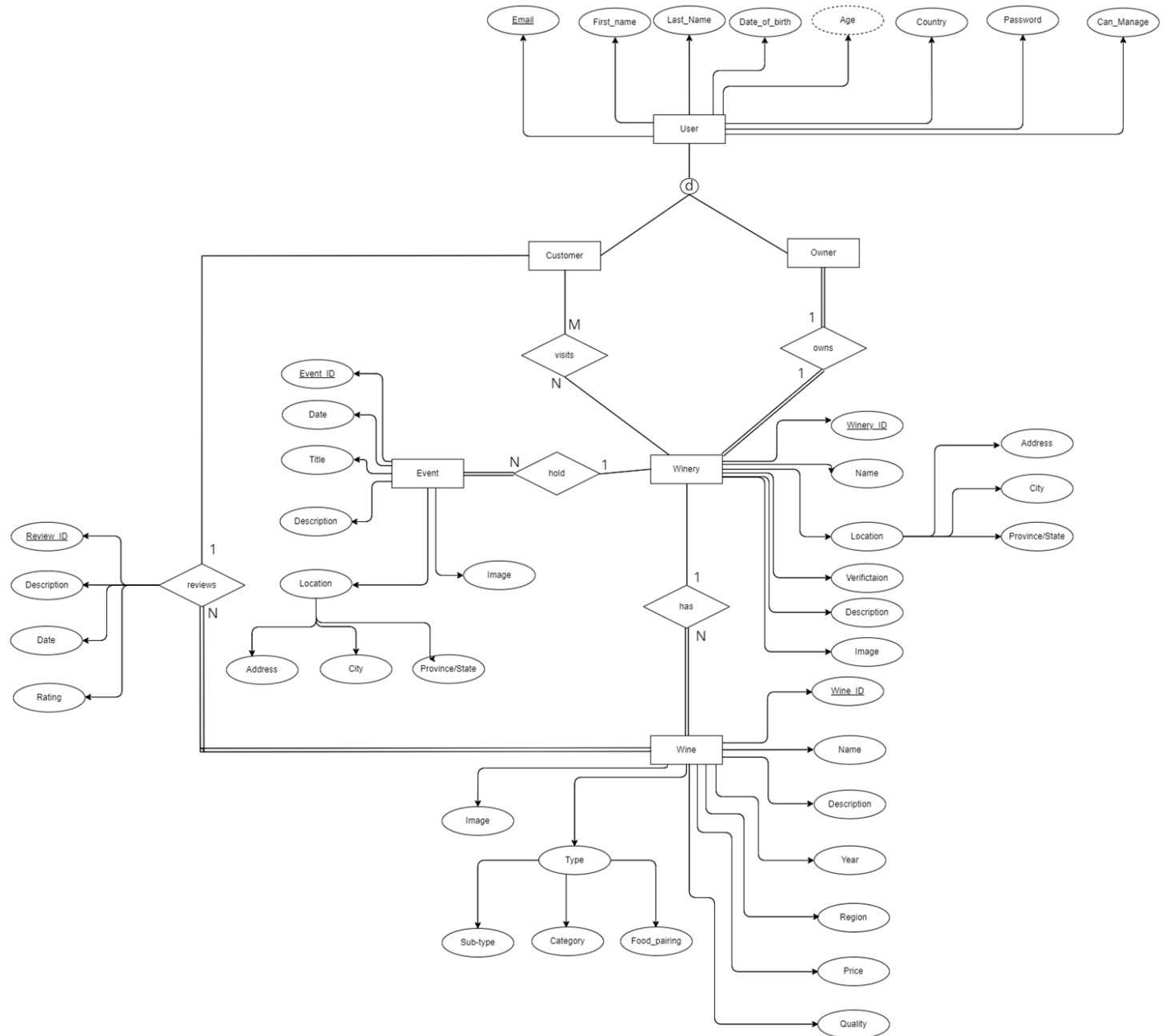
Information kept being added and removed.

The structure changed on occasion.

Though through discussions and attempts we were able to come up with a diagram that fits our group.



(E)ER-DIAGRAM





Task 3 : (E)ER-DIAGRAM TO RELATIONAL MAPPING



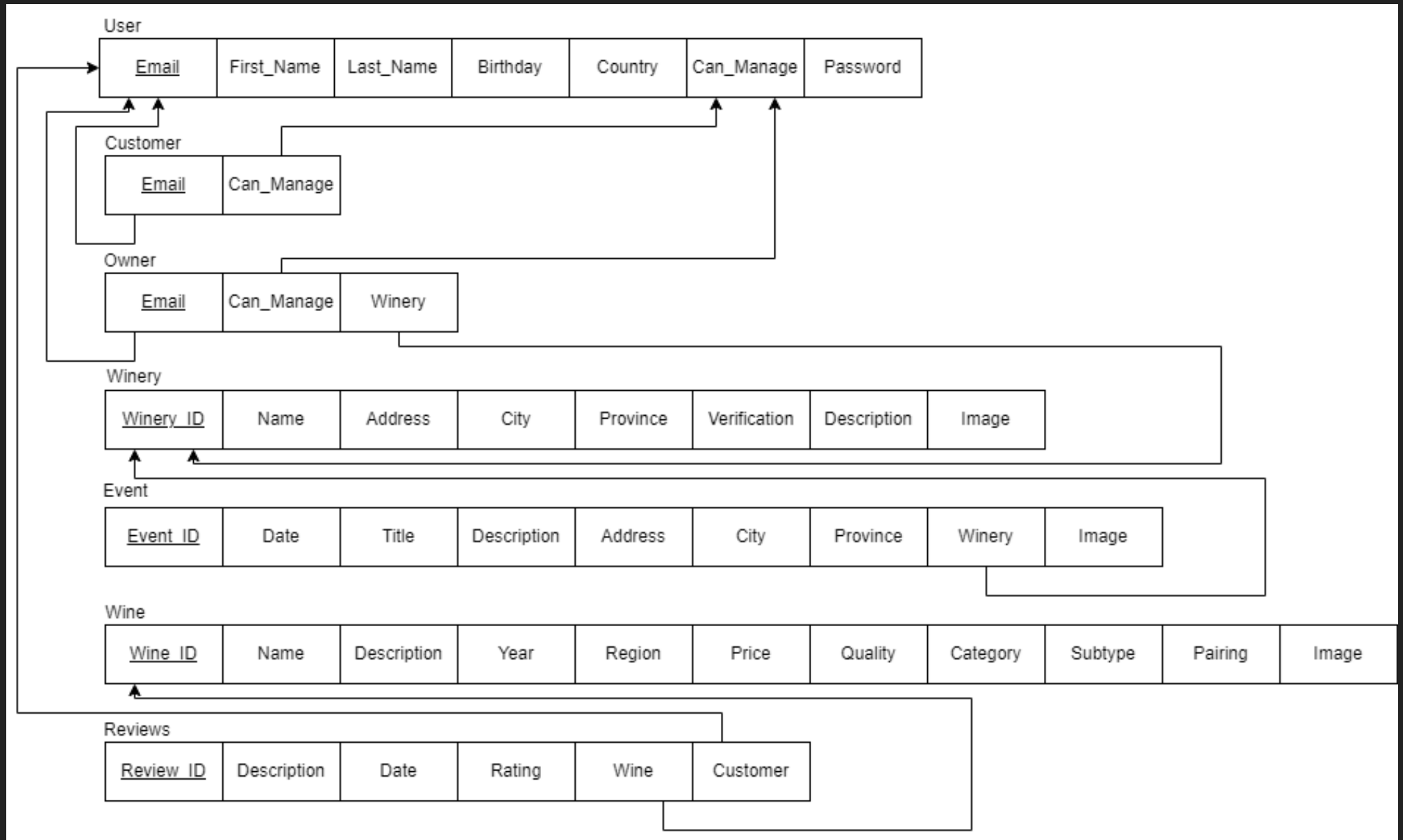
EXPERIENCE

Due to our forever changing (E)ER - diagram, this task had its own challenges.

We followed the necessary steps and achieved completing our Relational Mapping.



RELATIONAL MAPPING



Colouring with steps can be viewed in our finalised pdf.



TASK 4: RELATIONAL SCHEMA



phpMyAdmin

Server: localhost:3306 » Database: u21434965_dionysus

Structure SQL Search Query Export Import Operations Routines Events Triggers Tracking Designer Central columns

Recent Favorites

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> Customer		0	InnoDB	utf8mb4_general_ci	16.0 K	-
<input type="checkbox"/> Events		1	InnoDB	utf8mb4_general_ci	32.0 K	-
<input type="checkbox"/> Owner		0	InnoDB	utf8mb4_general_ci	16.0 K	-
<input type="checkbox"/> Reviews		0	InnoDB	utf8mb4_general_ci	32.0 K	-
<input type="checkbox"/> Users		5	InnoDB	utf8mb4_general_ci	16.0 K	-
<input type="checkbox"/> Wine		11	InnoDB	utf8mb4_general_ci	16.0 K	-
<input type="checkbox"/> Winery		4	InnoDB	utf8mb4_general_ci	16.0 K	-
7 tables	Sum	21	InnoDB	utf8mb4_general_ci	144.0 K	0 B

☐ Check all With selected:

phpMyAdmin

Server: localhost:3306 » Database: u21434965_dionysus » Table: Owner

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	Email	varchar(255)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	Can_Manage	char(1)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 3	Winery	bigint(20)			Yes	NULL			

☐ Check all With selected:

column(s) after Winery

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
	PRIMARY	BTREE	Yes	No	Email	0	A	No	
	Winery	BTREE	No	No	Winery	0	A	Yes	

phpMyAdmin

Server: localhost:3306 » Database: u21434965_dionysus » Table: Users

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	Email	varchar(255)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	First_Name	varchar(255)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 3	Last_Name	varchar(255)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 4	Birthday	date			No	None			
<input type="checkbox"/> 5	Country	varchar(50)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 6	Can_Manage	char(1)	utf8mb4_general_ci		Yes	N			
<input type="checkbox"/> 7	Password	varchar(100)	utf8mb4_general_ci		No	None			

☐ Check all With selected:

column(s) after Password

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
	PRIMARY	BTREE	Yes	No	Email	5	A	No	

phpMyAdmin

Server: localhost:3306 » Database: u21434965_dionysus » Table: Customer

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	Email	varchar(255)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	Can_Manage	char(1)	utf8mb4_general_ci		No	None			

☐ Check all With selected:

column(s) after Can_Manage

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
	PRIMARY	BTREE	Yes	No	Email	0	A	No	



phpMyAdmin

Recent Favorites

- New
- information_schema
- u21434965
- u21434965_dionysus
 - New
 - Customer
 - Events
 - Owner
 - Reviews
 - Users
 - Wine
 - Winery
- u21434965_homeworkAssignment

Server: localhost:3306 » Database: u21434965_dionysus » Table: Winery

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Winery_ID	bigint(20)			No	None			Change Drop More
2	Name	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
3	Address	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	City	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
5	Province	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
6	Verification	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
7	Description	text	utf8mb4_general_ci		No	None			Change Drop More
8	Image	text	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext Add to central columns

Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after Image Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	Winery_ID	5	A	No	

phpMyAdmin

Recent Favorites

- New
- information_schema
- u21434965
- u21434965_dionysus
 - New
 - Customer
 - Events
 - Owner
 - Reviews
 - Users
 - Wine
 - Winery
- u21434965_homeworkAssignment

Server: localhost:3306 » Database: u21434965_dionysus » Table: Events

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Event_ID	bigint(20)			No	None			Change Drop More
2	Title	varchar(150)	utf8mb4_general_ci		No	None			Change Drop More
3	Date	date			No	None			Change Drop More
4	Description	text	utf8mb4_general_ci		No	None			Change Drop More
5	Address	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
6	City	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
7	Province	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
8	Winery	bigint(20)			No	None			Change Drop More
9	Image	text	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext Add to central columns

Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after Image Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	Event_ID	3	A	No	
Edit Drop	Winery	BTREE	No	No	Winery	3	A	No	

phpMyAdmin

Recent Favorites

- New
- information_schema
- u21434965
- u21434965_dionysus
 - New
 - Customer
 - Events
 - Owner
 - Reviews
 - Users
 - Wine
 - Winery
- u21434965_homeworkAssignment

Server: localhost:3306 » Database: u21434965_dionysus » Table: Wine

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Wine_ID	bigint(20)			No	None			Change Drop More
2	Name	varchar(150)	utf8mb4_general_ci		No	None			Change Drop More
3	Winery	bigint(20)			No	None			Change Drop More
4	Description	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	Year	year(4)			No	current_timestamp()			Change Drop More
6	Region	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
7	Price	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
8	Image	text	utf8mb4_general_ci		No	None			Change Drop More
9	Quality	int(11)			No	None			Change Drop More
10	Subtype	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
11	Category	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
12	Pairing	text	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext Add to central columns

Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after Pairing Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	Wine_ID	11	A	No	
Edit Drop	WineWineryFK	BTREE	No	No	Winery	2	A	No	

phpMyAdmin

Recent Favorites

- New
- information_schema
- u21434965
- u21434965_dionysus
 - New
 - Customer
 - Events
 - Owner
 - Reviews
 - Users
 - Wine
 - Winery
- u21434965_homeworkAssignment

Server: localhost:3306 » Database: u21434965_dionysus » Table: Reviews

Browse Structure SQL Search Insert Export Import Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Review_ID	bigint(20)			No	None			Change Drop More
2	Email	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
3	Date	date			No	current_timestamp()			Change Drop More
4	Description	text	utf8mb4_general_ci		No	"No comment was left, just a rating"			Change Drop More
5	Rating	decimal(5,0)			No	0			Change Drop More
6	Wine	bigint(20)			No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext Add to central columns

Remove from central columns

Print Propose table structure Track table Move columns Normalize

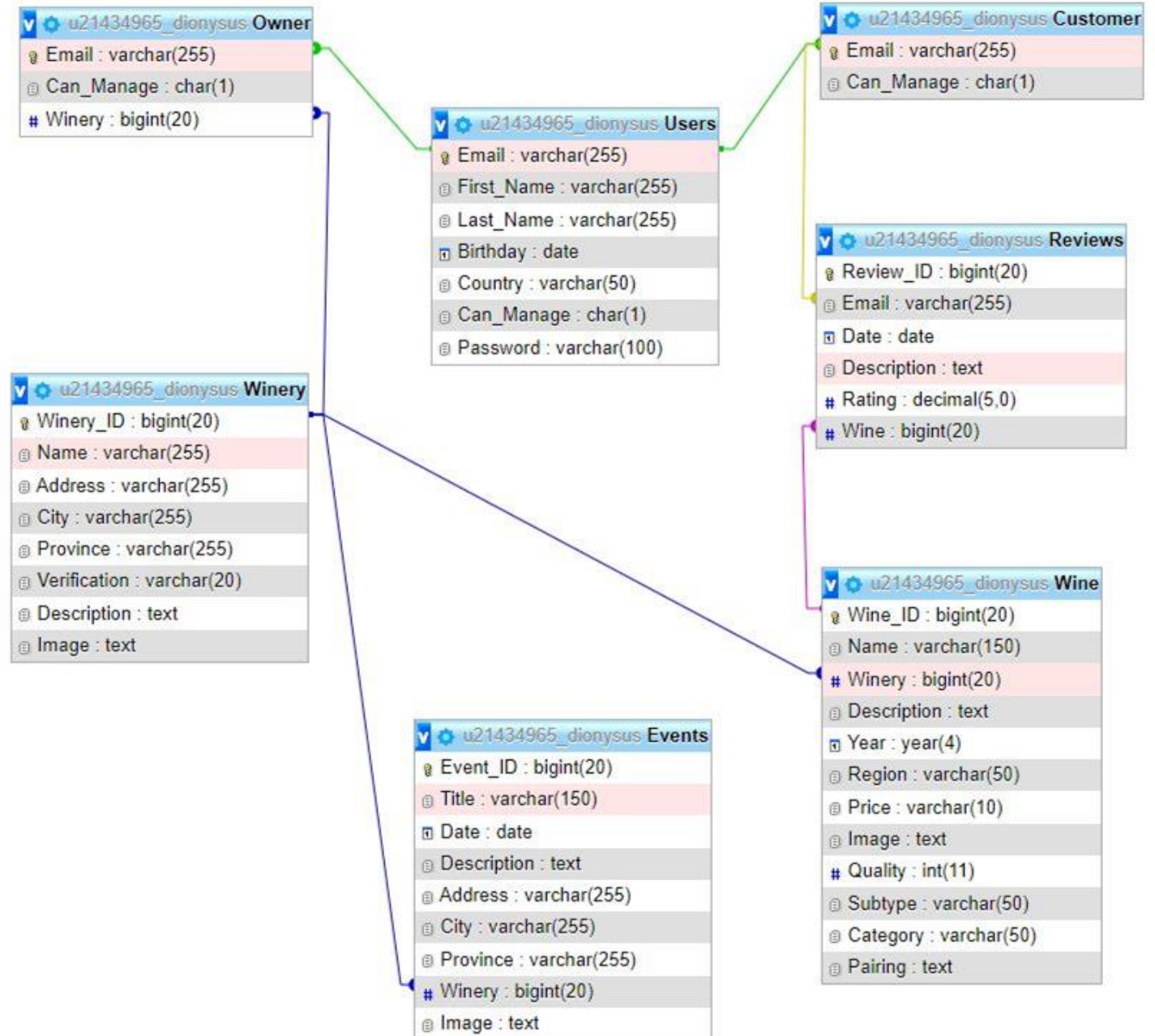
Add 1 column(s) after Wine Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	Review_ID	0	A	No	
Edit Drop	ReviewEmailFK	BTREE	No	No	Email	0	A	No	
Edit Drop	Wine	BTREE	No	No	Wine	0	A	No	



FINAL SCHEMA





TASK 5 : WEB-BASED APPLICATION

EXPLORE



HOMEPAGE



EXPLORE WINE



EXPLORE FARM



EXPLORE EVENT

CONNECT WITH US



Dionysus @2023

HOMEPAGE



WEB-BASED APPLICATION

Please make
reference to the web-
based application for
further details

...



TASK 6 : DATA



DATA

Please view our database
on [phpmyadmin...](#)

Summary:
55 customers
10 Events
17 owners
28 reviews
75 users
220 wines
18 wineries
And counting....



Data Wines and Wineries

Wineries and wine:

Castello di Amorosa- Italy
Bodegas Torres-Spain
Château Margaux-France
Penfolds Magill Estate-
Australia
Robert Mondavi Winery-
California
Bosman Family Vineyards-
South Africa

Are all notable wineries as
they all have (+)10 wines each.



Comments added by members
and any questions.



THANK YOU