

# GROUP 21 COS 221 PA5 PDF SUBMISSION

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## Task 1:

### Research:

This research provides information about different types of wines, including red, white, rosé, sparkling, dessert, and fortified wines. It explains their characteristics, production methods, and food pairings. Additionally, it discusses wine points, which are scores given by wine critics, and how wine prices can vary based on various factors. The research also highlights useful information for wine tourists, such as wine tasting experiences, events and festivals, wine trails and routes, wine education opportunities, wine varietals and their pairings, wine clubs and memberships, nearby accommodations and restaurants, local attractions, transportation options, wine tips and guides, reviews and ratings, and weather information.

Wine types or categories explained:

**Red Wines** - Wine made by fermenting black grapes with grape skins (this is where the red colour originates from). Red Wine is high in tannins.

**White Wines** - Wine made with both white and black grapes, white wines are not fermented with grape skins, white wine has very little tannins, it is acidic which outlines its fresh, crisp, and tart flavours.

**Rose Wines** - Wine known for its pink colour, created in a similar way to red wine however the wine is only fermented with the skin for a very short period. It is low in tannins like white wine.

**Sparkling Wines** - Also known as “bubbly”, this wine is made with both white and black grapes. Carbon dioxide is a natural part of its fermentation. Sparkling wines are named after the region they are produced in.

**Dessert Wines** - A very sweet wine that is usually drunk after a meal or with dessert. Dessert wines include most sweet wines and as such it sometimes contains fortified wines.

**Fortified Wines** - These wines are created when spirits such as brandy are added during the fermentation process, fortified wines with a lower alcohol content are usually considered dessert wines.

Wine points and prices:

Wine points are a numeric score of 50-100 points given by professional wine critics, publications, or organisations. Wine prices vary greatly depending on several factors such as Grape Variety, Region, Quality, Rarity, Brand, Reputation, Aging, Cellaring, Production/labour costs, and market demand/scarcity.

Other useful information for a Wine tourist:

Events and Festivals, Wine Trails and Routes, Wine Education, Wine Varietals, Wine Clubs and Memberships, Accommodation Options, Restaurants and Dining, Local Attractions, Transportation, Wine Tips and Guides, Reviews and Ratings, Weather Information.

## Sources:

<https://corkbeard.com/blogs/news/wine-101-what-are-the-different-types-of-wine>

<https://www.purewow.com/food/types-of-wine>

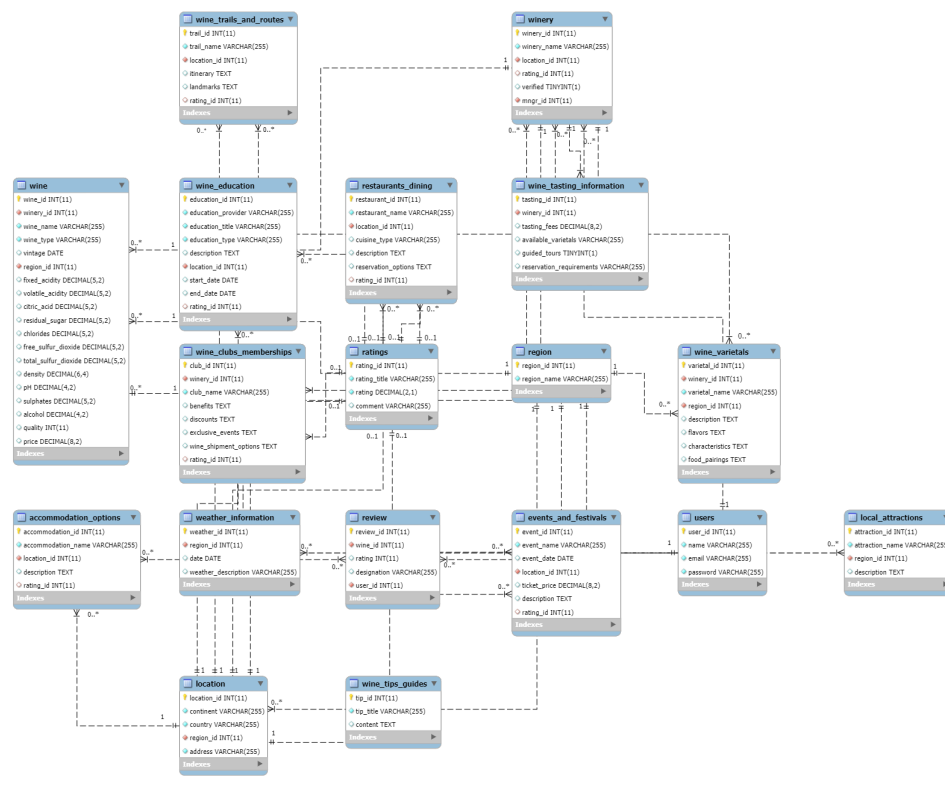
<https://www.vinovest.co/blog/types-of-wine>

<https://www.wine-searcher.com/wine-scores>

<https://foodandroad.com/what-is-wine-tourism/>

## Task 2:

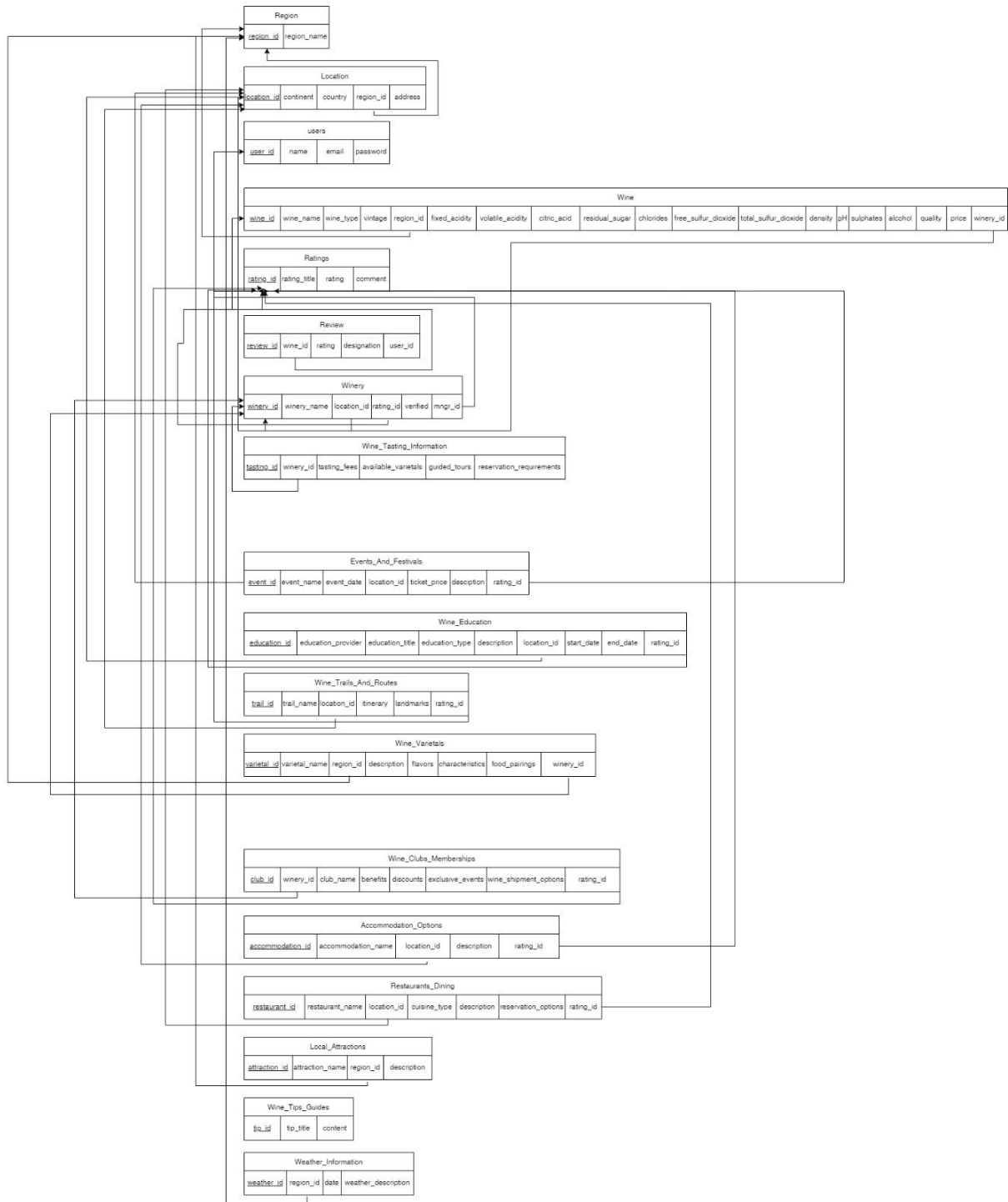
## E-ER Diagram:



## Task 3:

### Relational Mapping:

**Note:** Only the final version of the relational mapping has been included in this document. To view each step go to the RM folder in the zipped file.



## Task 4 Relational Schema

The relational schema was implemented in the dump2.sql file. It outlines all the constraints and attributes of all the tables we made for the database.

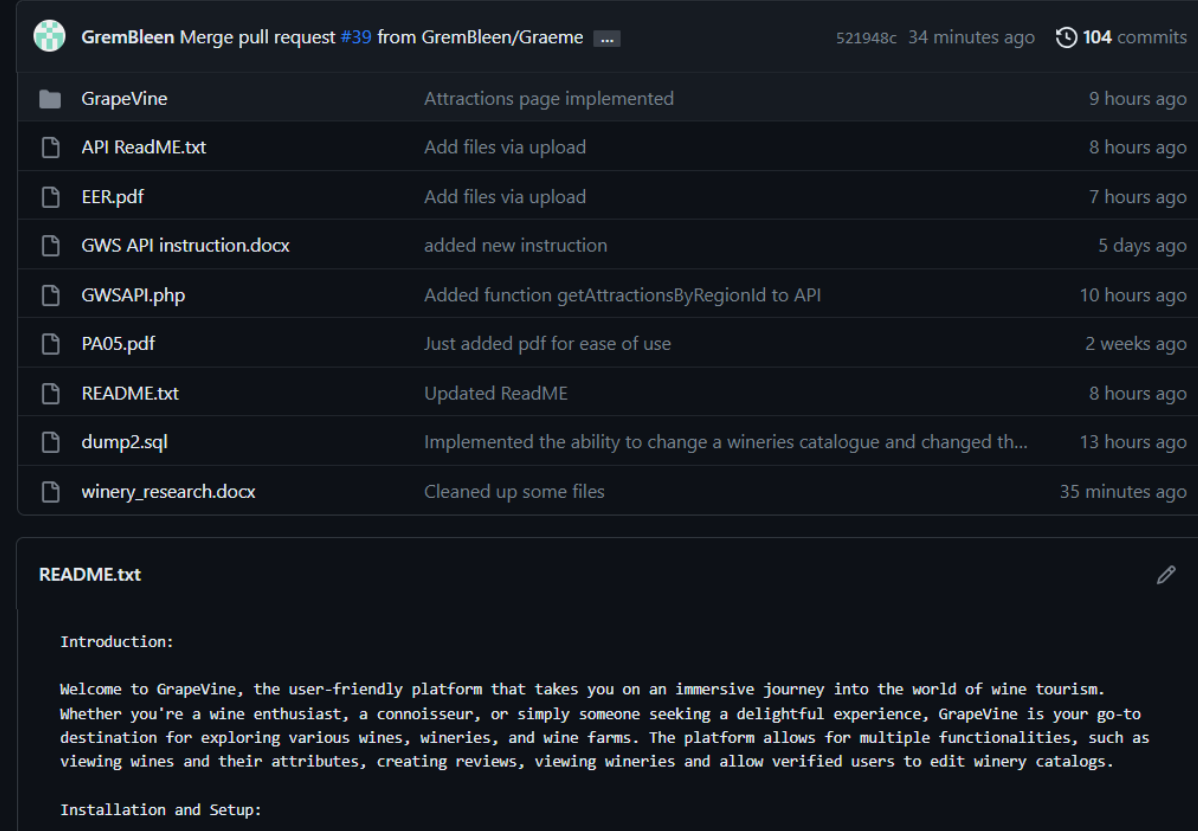
## Task 5 [Demo]

## Task 6

### Data Insertion:

A sql script was used to insert the data into the database as the data was cleaned and modified in excel spreadsheets which made it trivially easy to insert with a simple script. We chose this method purely for the efficiency and speed therefore allowing the group to advance on other areas of the project. Currently dump2.sql also includes statements to import the data into the database.

## Task 7: GitHub Repository



GremBleen Merge pull request #39 from GremBleen/Graeme 521948c 34 minutes ago 104 commits

File	Description	Time
GrapeVine	Attractions page implemented	9 hours ago
API ReadME.txt	Add files via upload	8 hours ago
EER.pdf	Add files via upload	7 hours ago
GWS API instruction.docx	added new instruction	5 days ago
GWSAPI.php	Added function getAttractionsByRegionId to API	10 hours ago
PA05.pdf	Just added pdf for ease of use	2 weeks ago
README.txt	Updated ReadME	8 hours ago
dump2.sql	Implemented the ability to change a wineries catalogue and changed th...	13 hours ago
winery_research.docx	Cleaned up some files	35 minutes ago

### README.txt

Introduction:

Welcome to GrapeVine, the user-friendly platform that takes you on an immersive journey into the world of wine tourism. Whether you're a wine enthusiast, a connoisseur, or simply someone seeking a delightful experience, GrapeVine is your go-to destination for exploring various wines, wineries, and wine farms. The platform allows for multiple functionalities, such as viewing wines and their attributes, creating reviews, viewing wineries and allow verified users to edit winery catalogs.

Installation and Setup:

Link: <https://github.com/GremBleen/COS221-Prac-5>

# Team Contributions

**Morgan:** Relational mapping, reviews implementation(review.php and rating.php), wine page(index.php) rating form.

**Daniel:** Wireframing, relational mapping, wineries implementation(wineries.php)

**Graeme:** API implementation, GitHub Repo creation and management, Database design and implementation, general website implementation (General styling), wineries page, including wine page, manage wineries, etc.

**Aidan:** Database design and implementation, navbar implementation, login and signup implementation (login.php, signup.php, validate\_login.php, validate\_signup.php, validate\_login.js, validate\_signup.js) and local attractions page implementation, wines page implementation, API implementation, css styling (login\_signup.css, styles.css).

**James:** Wineries implementation, API implementation

**Jiahao:** API implementation, E-ER Diagram.

**Wesley:** Research, data cleanup and insertion