Podo:

Data Design

Team Members:

Hyerin Choi

hyerin.choi.1@stonybrook.edu

Duk Young Eom

dukyoung.eom@stonybrook.edu

Woohyung Lee

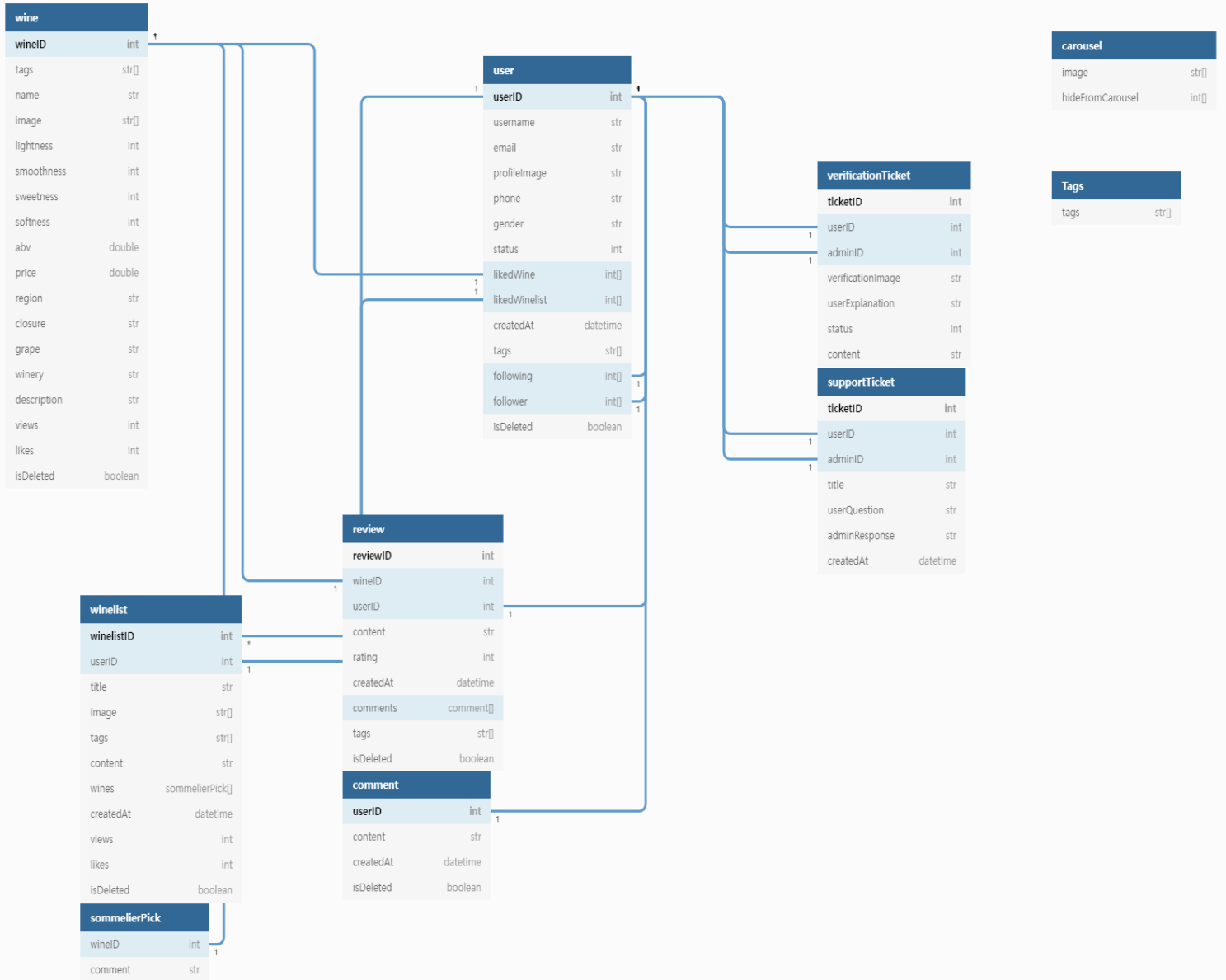dngud5364@gmail.com

Woohyun Park

woohyun.park@stonybrook.edu

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In case the images are unclear, you can refer to the link below:

https://dbdocs.io/amdy1997/CSE416_Data_Schema

1. Class Diagram

wine

Field	Type
wineID	int
tags	str[]
name	str
image	str[]
lightness	int
smoothness	int
sweetness	int
softness	int
abv	double
price	double
region	str
closure	str
grape	str
winery	str
description	str
views	int
likes	int
isDeleted	boolean

user

Field	Type
userID	int
username	str
email	str
profileImage	str
phone	str
gender	str
status	int
likedWine	int[]
likedWinelist	int[]
createdAt	datetime
tags	str[]
following	int[]
follower	int[]
isDeleted	boolean

carousel

Field	Type
image	str[]
hideFromCarousel	int[]

Tags

Field	Type
tags	str[]

verificationTicket

Field	Type
ticketID	int
userID	int
adminID	int
verificationImage	str
userExplanation	str
status	int
content	str

supportTicket

Field	Type
ticketID	int
userID	int
adminID	int
title	str
userQuestion	str
adminResponse	str
createdAt	datetime

review

Field	Type
reviewID	int
wineID	int
userID	int
content	str
rating	int
createdAt	datetime
comments	comment[]
tags	str[]
isDeleted	boolean

comment

Field	Type
userID	int
content	str
createdAt	datetime
isDeleted	boolean

winelist

Field	Type
winelistID	int
userID	int
title	str
image	str[]
tags	str[]
content	str
wines	sommelierPick[]
createdAt	datetime
views	int
likes	int
isDeleted	boolean

sommelierPick

Field	Type
wineID	int
comment	str

2. Collections (Tables)

2.1. User

Name	Type	Settings	References	Default Value & Notes
userID	int	PK increment	⤙ user.following ⤙ user.follower — review.userID — comment.userID — winelist.userID — supportTicket.userID — supportTicket.adminID — verificationTicket.userID — verificationTicket.adminID	unique ID that identify a user
username	str	not_null		username that will be shown on websites
email	str	not_null		email address of the user
profileImage	str			profile image url of the user
phone	str			phone number of the user
gender	str			gender of the user
status	int			0 for general, 1 for sommelier and 2 for admin
likedWine	int[]		⤙ wine.wineID	list of wines that user added to likes
likedWinelist	int[]		⤙ winelist.winelistID	list of winelists that user added to likes
createdAt	datetime			record of registered time
tags	str[]			list of subjects that the user is interested in
following	int[]		⤙ user.userID	list of users that this user is following
follower	int[]		⤙ user.userID	list of users that follows this user
isDeleted	boolean			current status of the review. default is False, it becomes true once the user deletes it

2.2. Review

Name	Type	Settings	References	Default Value & Notes
reviewID	int	PK increment		unique ID that identifies a review
wineID	int	not_null	⊢ wine.wineID	unique wineID referred from wine.wineID
userID	int	not_null	⊢ user.userID	unique userID referred from user.userID
content	str	not_null		main text of the review
rating	int	not_null		rating of the wine on the scale of 0-5
createdAt	datetime			record of post time
comments	comment[]		⊰ comment.userID	comments are stored as subdocument
tags	str[]			list of subjects that the user think the wine fits in
isDeleted	boolean			current status of the review. default is False, it becomes true once the user deletes it

2.2.1. Comment (subdocument)

Name	Type	Settings	References	Default Value & Notes
userID	int	PK	⊱ review.comments ⊢ user.userID	unique userID referred from user.userID
content	str	not_null		main text for comment
createdAt	datetime			record of post time
isDeleted	boolean			current status of the review. default is False, it becomes true once the user deletes it

2.3. Wine

Name	Type	Settings	References	Default Value & Notes ⬇️
wineID	int	🔑 PK increment	⤙ user.likedWine ⤙ sommelierPick.wineID ⟶ review.wineID	unique ID that identifies a wine
tags	str[]			list of subjects that the wine fits in
name	str			name of the wine
image	str[]			image urls of the wine
lightness	int			lightness of the wine on the scale of 0-5
smoothness	int			smothness of the wine on the scale of 0-5
sweetness	int			sweetness of the wine on the scale of 0-5
softness	int			softness of the wine on the scale of 0-5
abv	double			alcohol by volume
price	double			regular price of the wine
region	str			region that the wine belongs to
closure	str			closure material of the wine. ex) corks, aluminum cap
grape	str			type of grape used for the wine
winery	str			winery that made the wine
description	str			brief description of the wine
views	int			count the number of people viewed the wine
likes	int			count the number of people liked this wine
isDeleted	boolean			current status of the review. default is False, it becomes true once the user deletes it

2.4.   Winelist

Name	Type	Settings	References	Default Value & Notes 📝
winelistID	int	🔗 PK	⤝ user.likedWinelist	unique ID that identifies a winelist
userID	int		⊶ user.userID	unique userID referred from user.userID
title	str			title of the winelist
image	str[]			image urls of the winelist. fyi, this is separate from the images of single wine.
tags	str[]			list of subjects that the winelist fits in
content	str			main text for the wine list
wines	sommelierPick[]			list of wineIDs referred from wine.wineID and brief comment for each wine. This is stored as a subdocument
createdAt	datetime			record of post time
views	int			count the number of people viewed this winelist
likes	int			count the number of people liked this winelist
isDeleted	boolean			current status of the review. default is False, it becomes true once the sommelier deletes it

2.4.1.   SommelierPick (subdocument)

Name	Type	Settings	References	Default Value & Notes 📝
wineID	int		⤛ wine.wineID	list of wineIDs referred from wine.wineID
comment	str			brief comment about the wine and why it has been chosen for the wine list.

2.5.   SupportTicket

Name	Type	Settings	References	Default Value & Notes M↓
ticketID	int	🔑 PK increment		unique ticketID that identifies a support ticket
userID	int	not_null	⊸ user.userID	unique userID referred from user.userID
adminID	int		⊸ user.userID	unique ID of the admin who answered this ticket. It is also referred from user.userID
title	str	not_null		title of the support ticket
userQuestion	str	not_null		main text for the support ticket
adminResponse	str			answer text for the support ticket
createdAt	datetime			record of post time

2.6.   VerificationTicket

Name	Type	Settings	References	Default Value & Notes M↓
ticketID	int	🔑 PK increment		unique ticketID that identifies a verification ticket
userID	int	not_null	⊸ user.userID	unique userID referred from user.userID
adminID	int		⊸ user.userID	unique ID of the admin who answered this ticket. It is also referred from user.userID
verificationIm...	str			image url of the verification
userExplanati...	str			user explanation for verification image
status	int			0 for decline, 1 for accept and 2 for in progress
content	str			feedback from admin regarding the verification

2.7.   Carousel

Name	Type	Settings	References	Default Value & Notes
image	str[]			image urls of the carousel image
hideFromCaro...	int[]			list of carousel image indexes to hide from carousel

2.8.   Tags

Name	Type	Settings	References	Default Value & Notes
tags	str[]			list of available tags

3. Team Contributions

Name	Contributions
Duk Young Eom	- Led the overall data schema design - Identified all the data schema attributes for the website.
Hyerin Choi	Front-end modification : Verify Sommelier(admin), Review, Filter, Sort, Register, RegisterTag, Detailed Wine Page
Woohyun Park	Front-end modification : Header, Sidebar, Footer, Login, Wine, WinePage, Tag, Winelist, WinelistDetail
Woohyung Lee	Front-end modification : Profile, FAQ, View Tickets, Become Sommelier(user), Create a wine list