DB구축을 위한

스키마 설계 프로젝트

9조

박지숙 조용준

박현태 김민성

Try Pitch

야놀자_스키마_설계

모텔, 호텔, 리조트/콘도, 펜션/풀빌라, 게스트 하우스, 해외숙소

레저, 공연/전시 등의 티켓

렌터카, KTX, 고속버스, 항공권 예약도 가능합니다.

휴가철에 가장 많이 사용하는 어플이고, 여름철 이용자가 많은 사람들을 받기위한 현시기를 반영해 야놀자를 선택했습니다.

Try Pitch

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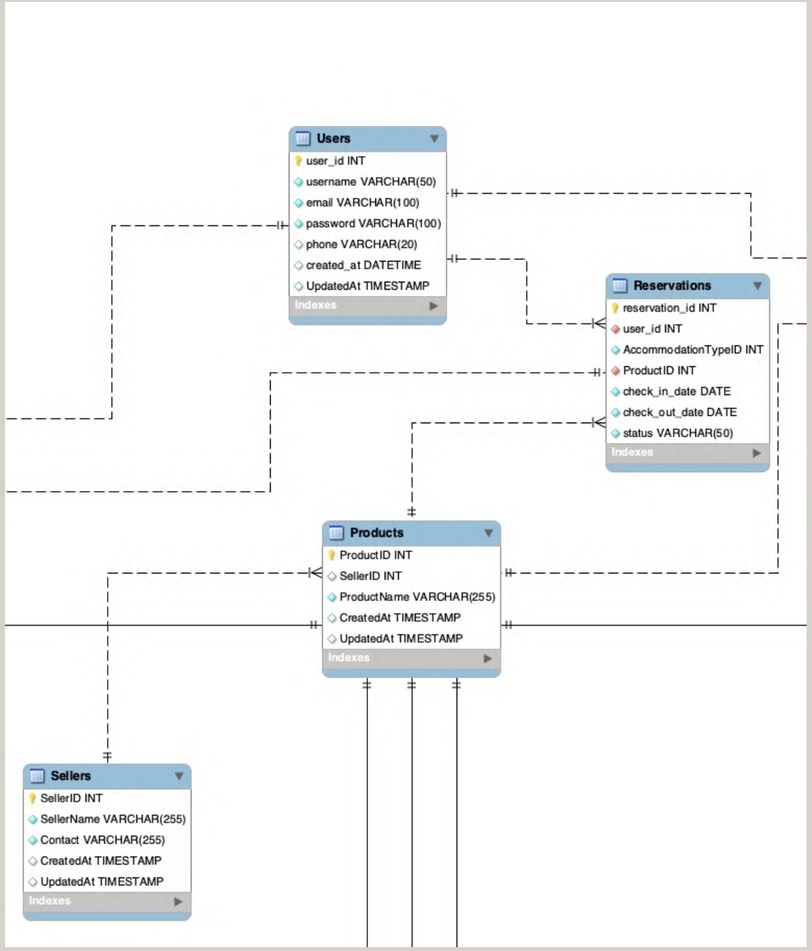
Try Pitch

고객 - 예약 - 상품



TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Users		user_id	int	int	PRI	NO	NULL	auto_increment	
Users		username	varchar	varchar(50)		NO	NULL		
Users		email	varchar	varchar(100)		NO	NULL		
Users		password	varchar	varchar(100)		NO	NULL		
Users		phone	varchar	varchar(20)		YES	NULL		
Users		created_at	datetime	datetime		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Users		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	

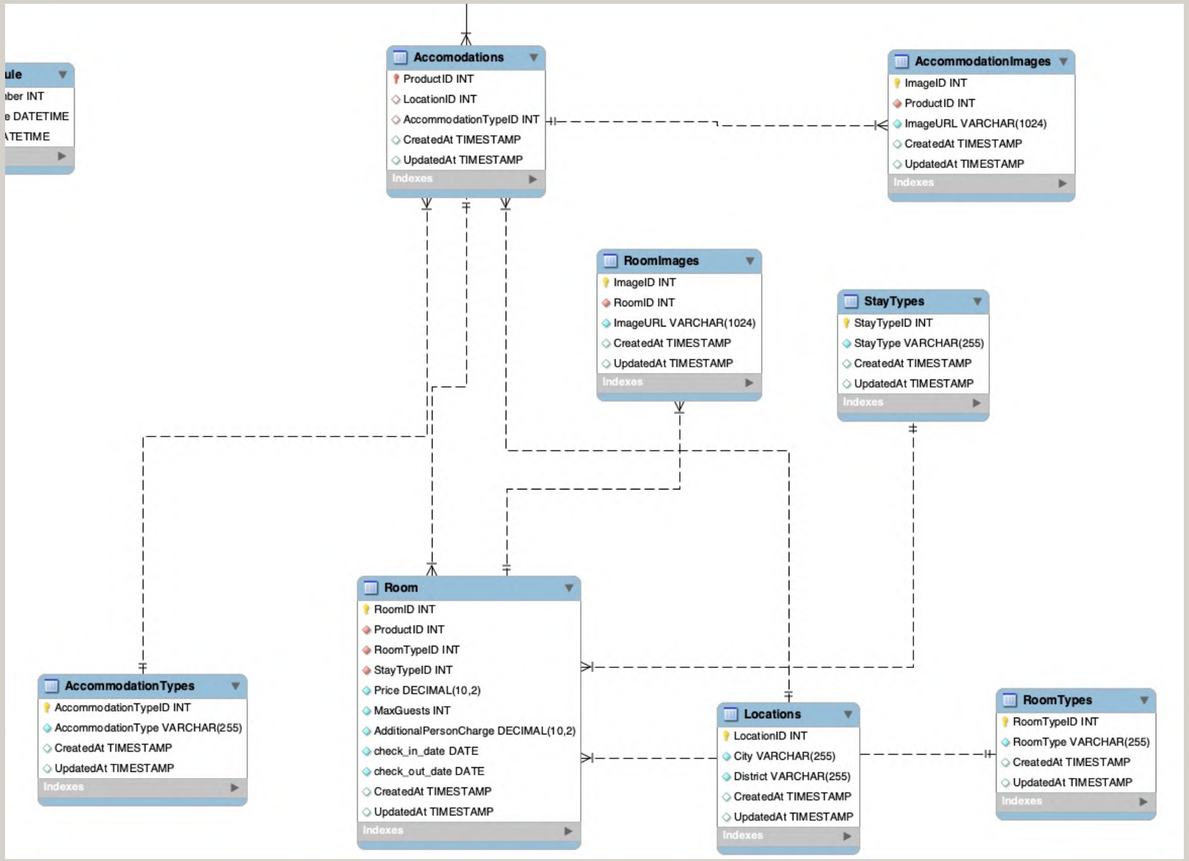
TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Reservations		reservation_id	int	int	PRI	NO	NULL	auto_increment	
Reservations		user_id	int	int	MUL	NO	NULL		
Reservations		AccommodationTypeID	int	int		NO	NULL		
Reservations		ProductID	int	int	MUL	NO	NULL		
Reservations		check_in_date	date	date		NO	NULL		
Reservations		check_out_date	date	date		NO	NULL		
Reservations		status	varchar	varchar(50)		NO	NULL		

TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Products		ProductID	int	int	PRI	NO	NULL	auto_increment	
Products		SellerID	int	int	MUL	YES	NULL		
Products		ProductName	varchar	varchar(255)		NO	NULL		
Products		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Products		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	

TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Sellers		SellerID	int	int	PRI	NO	NULL	auto_increment	
Sellers		SellerName	varchar	varchar(255)		NO	NULL		
Sellers		Contact	varchar	varchar(255)		NO	NULL		
Sellers		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	

Try Pitch

상품(숙소)



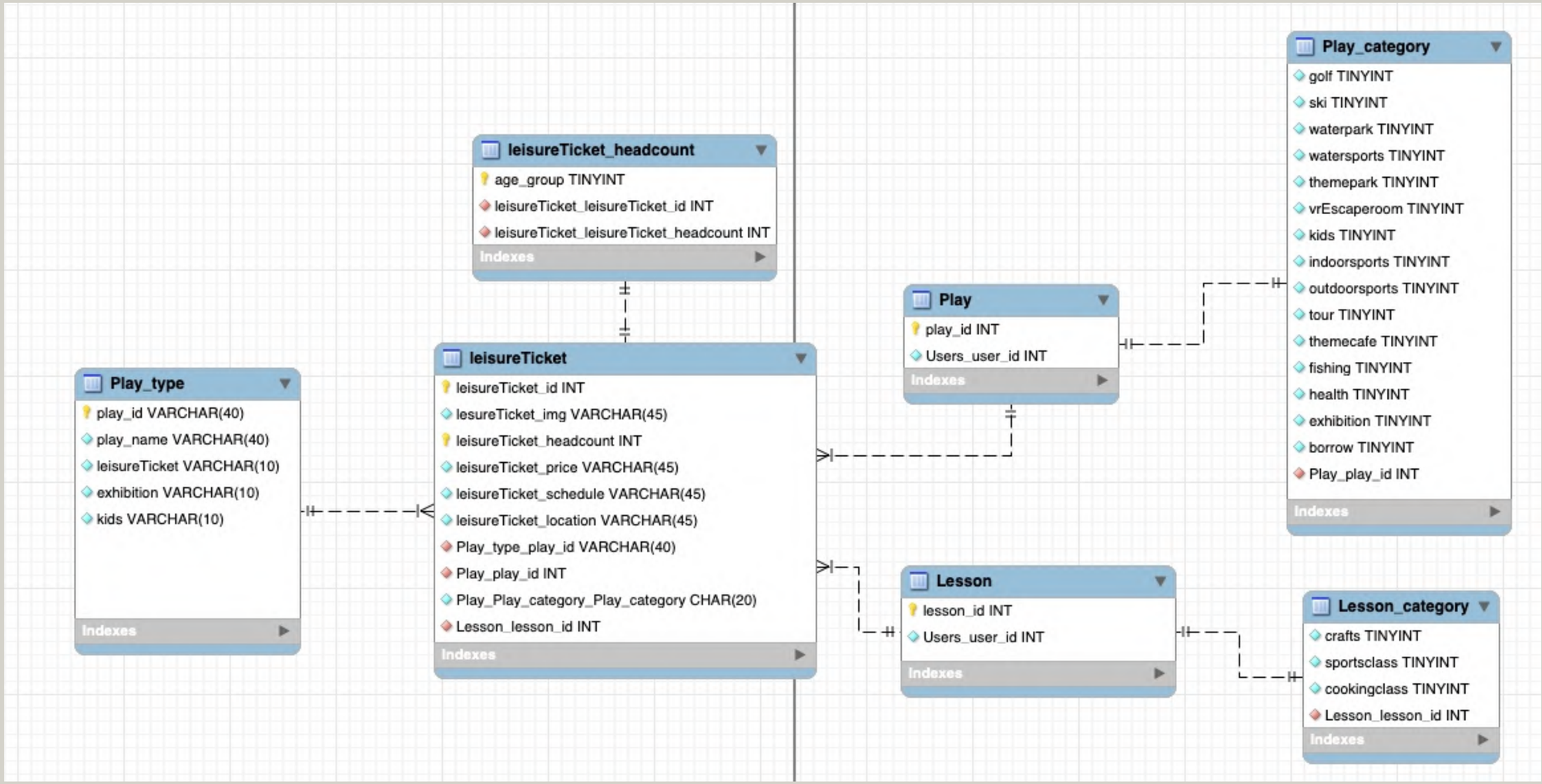
TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Accomodations		ProductID	int	int	PRI	NO	NULL		
Accomodations		LocationID	int	int	MUL	YES	NULL		
Accomodations		AccommodationTypeID	int	int	MUL	YES	NULL		
Accomodations		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Accomodations		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	

TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Locations		LocationID	int	int	PRI	NO	NULL	auto_increment	
Locations		City	varchar	varchar(255)		NO	NULL		
Locations		District	varchar	varchar(255)		NO	NULL		
Locations		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Locations		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	

TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Room		RoomID	int	int	PRI	NO	NULL	auto_increment	
Room		ProductID	int	int	MUL	NO	NULL		
Room		RoomTypeID	int	int	MUL	NO	NULL		
Room		StayTypeID	int	int	MUL	NO	NULL		
Room		Price	decimal	decimal(10,2)		NO	NULL		
Room		MaxGuests	int	int		NO	NULL		
Room		AdditionalPersonChar…	decimal	decimal(10,2)		NO	NULL		
Room		check_in_date	date	date		NO	NULL		
Room		check_out_date	date	date		NO	NULL		
Room		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Room		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	

Try Pitch

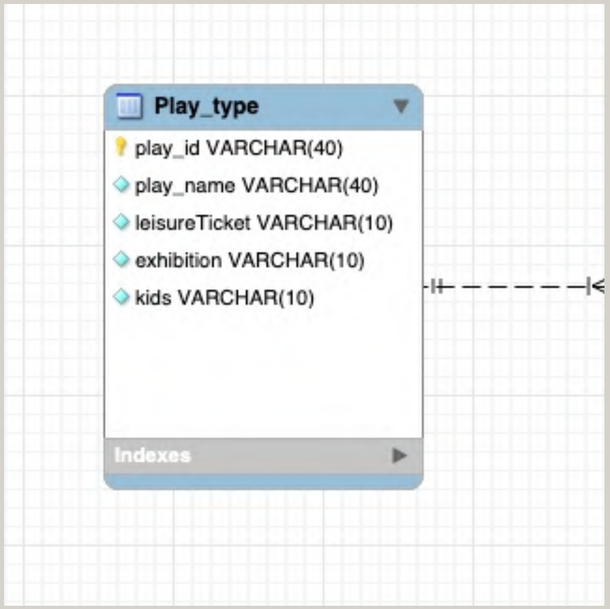
레저 & 티켓



Try Pitch

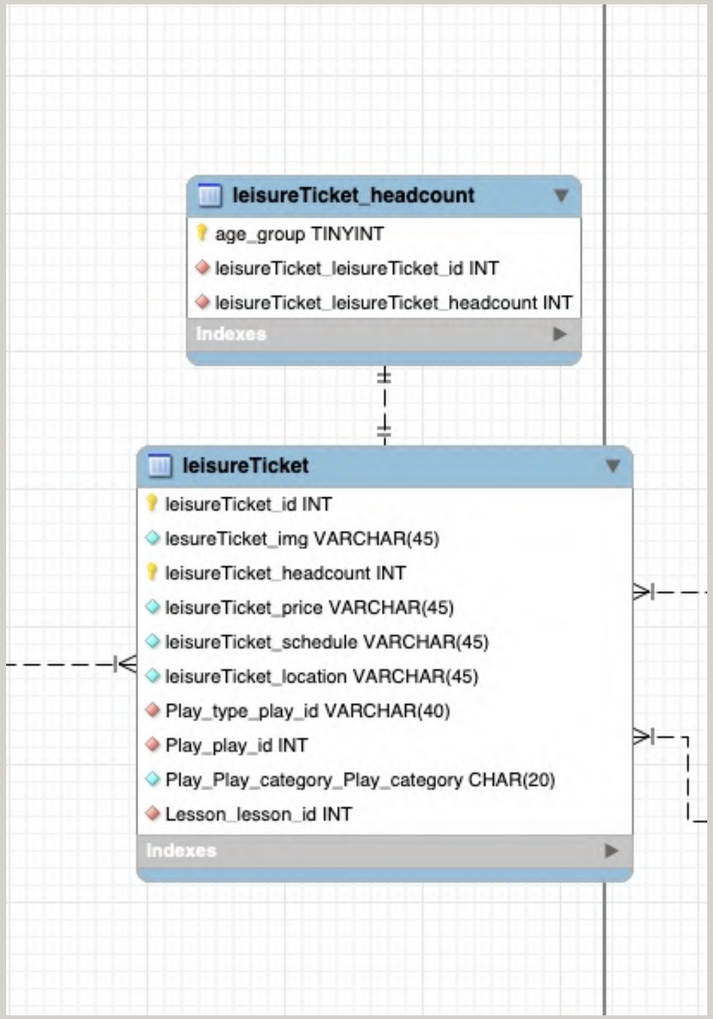
레저 & 티켓

Play_type		play_typeid	varchar	varchar(40)	PRI	NO	NULL
Play_type		play_name	varchar	varchar(40)		NO	NULL
Play_type		leisureTicket	varchar	varchar(10)		NO	NULL
Play_type		exhibition	varchar	varchar(10)		NO	NULL
Play_type		kids	varchar	varchar(10)		NO	NULL



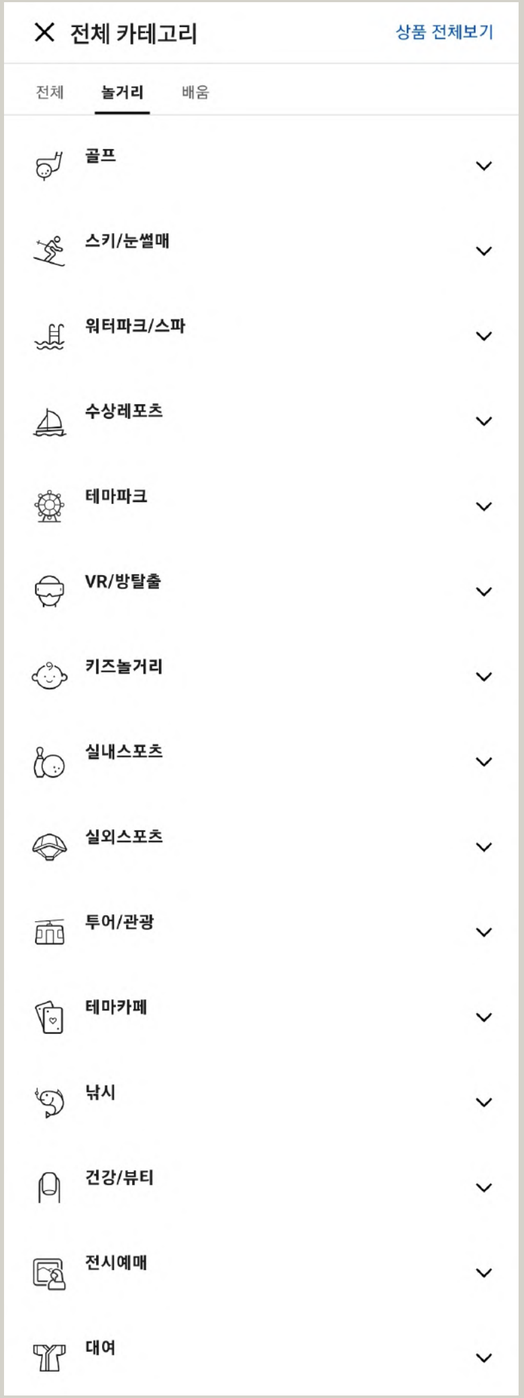
Try Pitch

레저 & 티켓



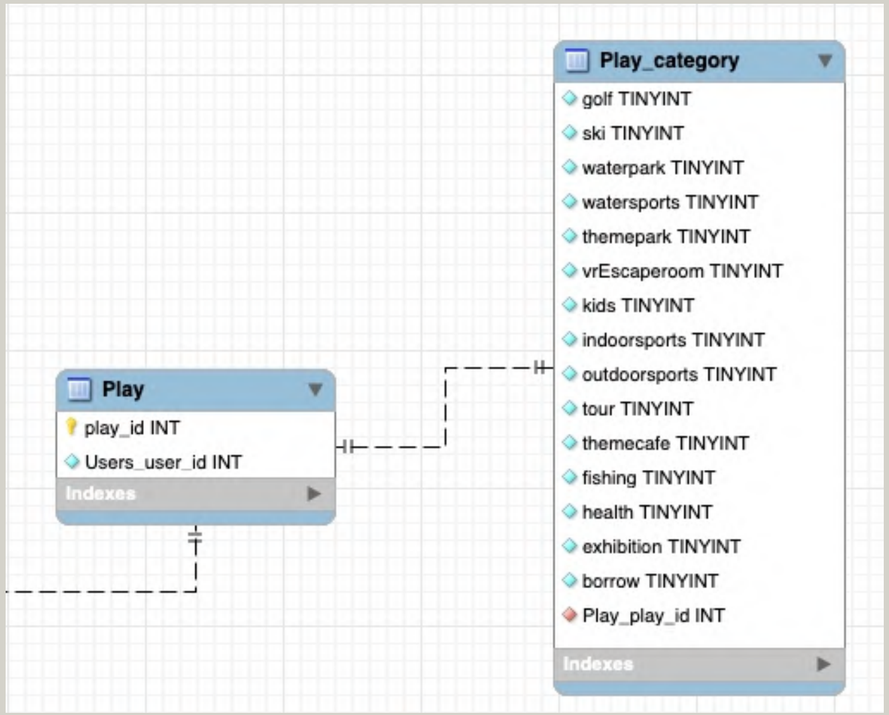
leisureTicket		ProductID	int	int	PRI	NO	NULL
leisureTicket		leisureTicket_id	int	int		NO	NULL
leisureTicket		lesureTicket_img	varchar	varchar(45)		NO	NULL
leisureTicket		leisureTicket_headcount	int	int		NO	NULL
leisureTicket		leisureTicket_price	varchar	varchar(45)		NO	NULL
leisureTicket		leisureTicket_schedule	varchar	varchar(45)		NO	NULL
leisureTicket		leisureTicket_location	varchar	varchar(45)		NO	NULL
leisureTicket		play_typeid	varchar	varchar(40)	MUL	NO	NULL
leisureTicket		play_id	int	int	MUL	NO	NULL
leisureTicket		Play_category	char	char(20)		NO	NULL
leisureTicket		lesson_id	int	int	MUL	NO	NULL
leisureTicket		age_group	tinyint	tinyint	MUL	NO	NULL
leisureTicket_headcount		age_group	tinyint	tinyint	PRI	NO	NULL
leisureTicket_headcount		leisureTicket_leisureT…	int	int		NO	NULL
leisureTicket_headcount		leisureTicket_leisureT…	int	int		NO	NULL

Try Pitch



레저 & 티켓

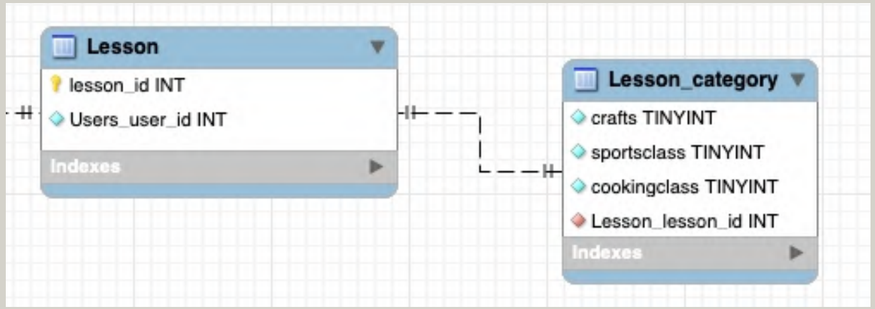
Play		play_id	int	int	PRI	NO	NULL
Play		user_id	int	int		NO	NULL
Play		Play_category	int	int	MUL	NO	NULL
Play_category		play_category	int	int	PRI	NO	NULL
Play_category		golf	tinyint	tinyint		NO	0
Play_category		ski	tinyint	tinyint		NO	0
Play_category		waterpark	tinyint	tinyint		NO	0
Play_category		watersports	tinyint	tinyint		NO	0
Play_category		themepark	tinyint	tinyint		NO	0
Play_category		vrEscaperoom	tinyint	tinyint		NO	0
Play_category		kids	tinyint	tinyint		NO	0



Try Pitch

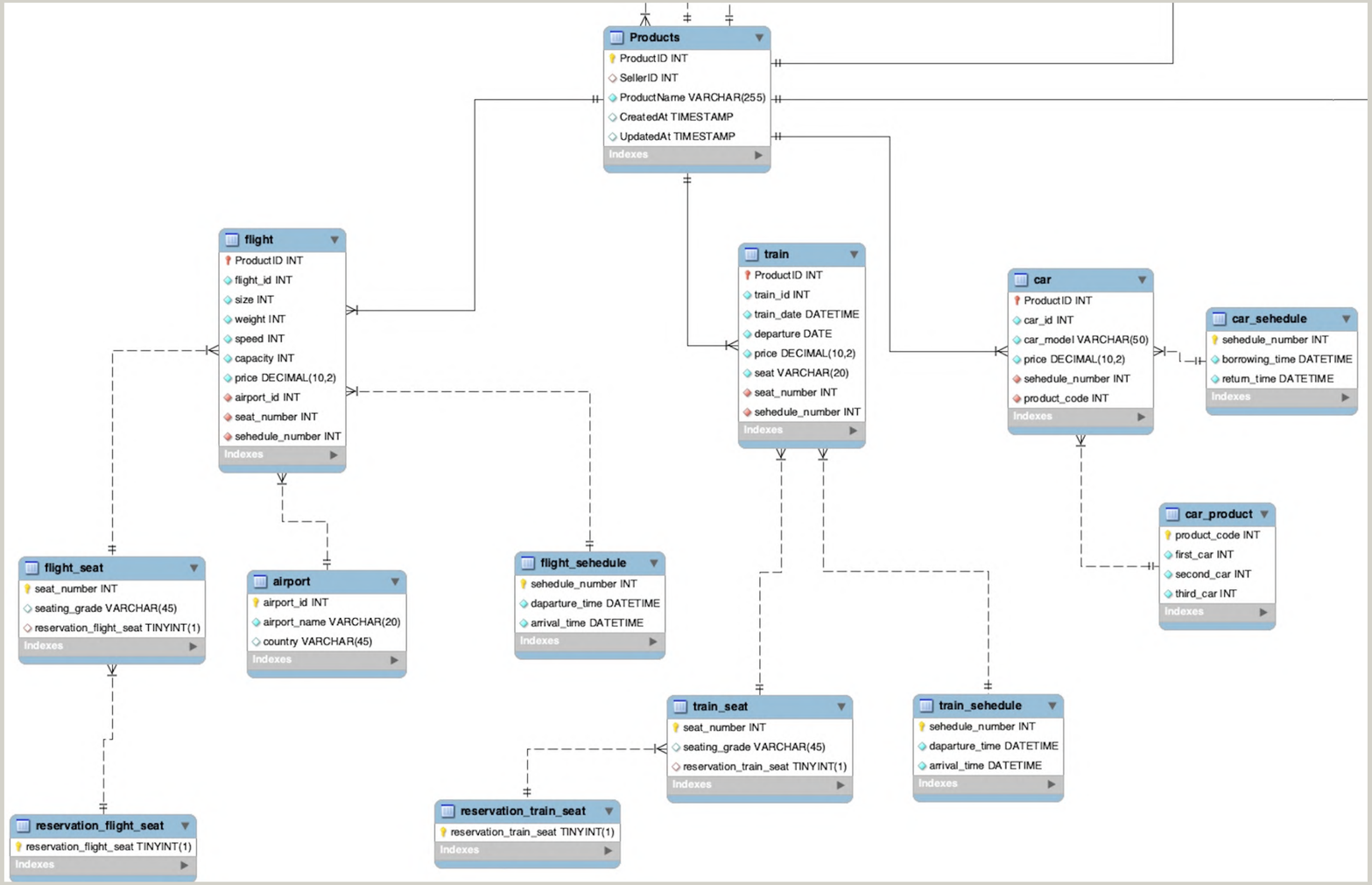
레저 & 티켓

Lesson	lesson_id	int	int	PRI	NO	NULL
Lesson	user_id	int	int		NO	NULL
Lesson	lesson_category	int	int	MUL	NO	NULL
Lesson_category	lesson_category	int	int	PRI	NO	NULL
Lesson_category	crafts	tinyint	tinyint		NO	0
Lesson_category	sportsclass	tinyint	tinyint		NO	0
Lesson_category	cookingclass	tinyint	tinyint		NO	0



Try Pitch

교통

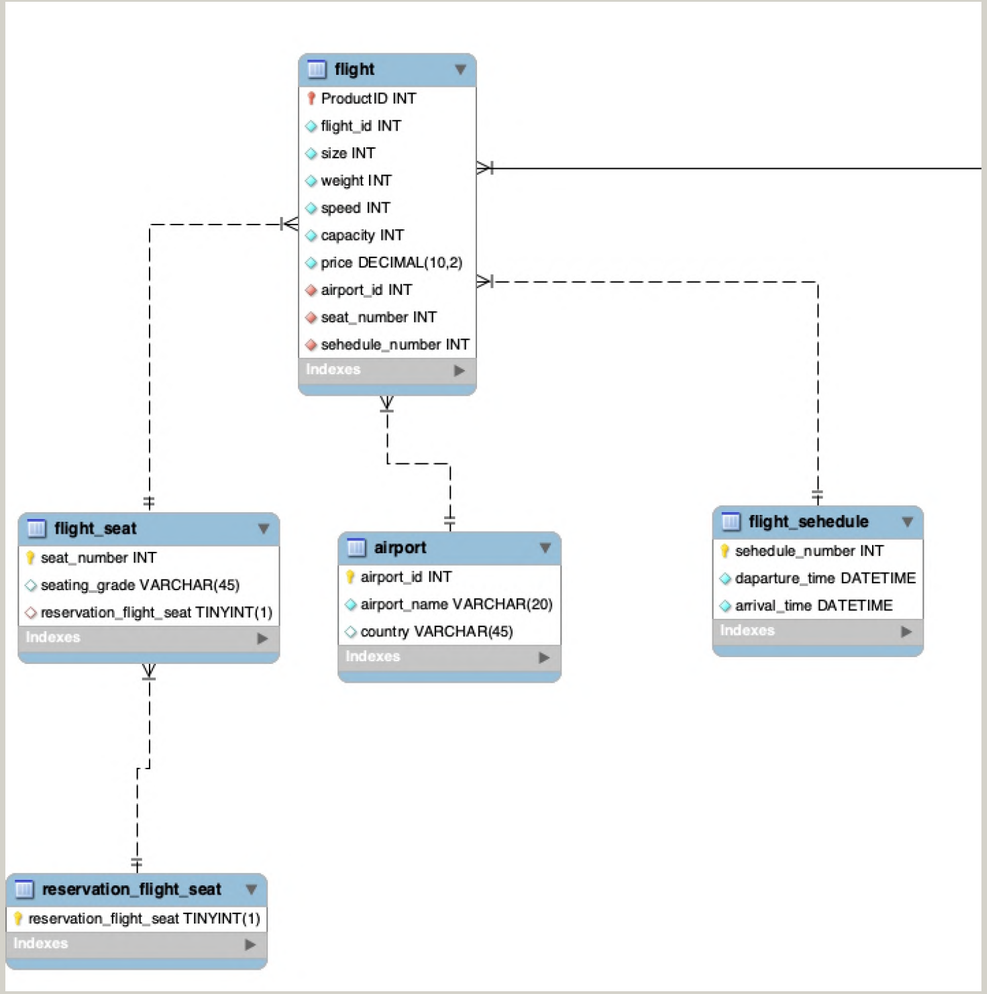


교통/항공

- 고속버스
- 기차
- 렌터카
- 항공

Try Pitch

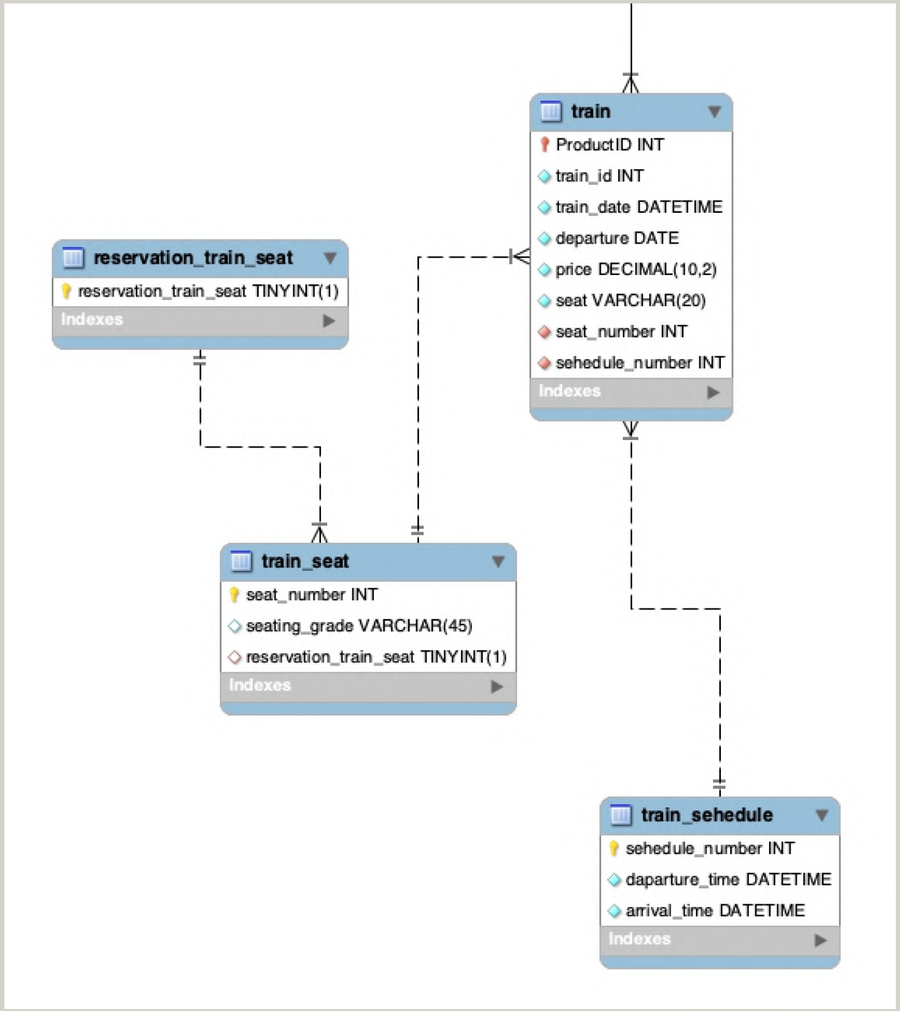
교통_비행기



TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA
flight		ProductID	int	int	PRI	NO	NULL	
flight		flight_id	int	int		NO	NULL	
flight		size	int	int		NO	NULL	
flight		weight	int	int		NO	NULL	
flight		speed	int	int		NO	NULL	
flight		capacity	int	int		NO	NULL	
flight		price	decimal	decimal(10,2)		NO	NULL	
flight		airport_id	int	int	MUL	NO	NULL	
flight		seat_number	int	int	MUL	NO	NULL	
flight		sehedule_number	int	int	MUL	NO	NULL	
flight_seat		seat_number	int	int	PRI	NO	NULL	auto_increment
flight_seat		seating_grade	varchar	varchar(45)		YES	NULL	
flight_seat		reservation_flight_seat	tinyint	tinyint(1)	MUL	YES	NULL	
flight_sehedule		sehedule_number	int	int	PRI	NO	NULL	auto_increment
flight_sehedule		daparture_time	datetime	datetime		NO	NULL	
flight_sehedule		arrival_time	datetime	datetime		NO	NULL	
airport		airport_id	int	int	PRI	NO	NULL	auto_increment
airport		airport_name	varchar	varchar(20)		NO	NULL	
airport		country	varchar	varchar(45)		YES	NULL	
reservation_train_seat		reservation_train_seat	tinyint	tinyint(1)	PRI	NO	NULL	

Try Pitch

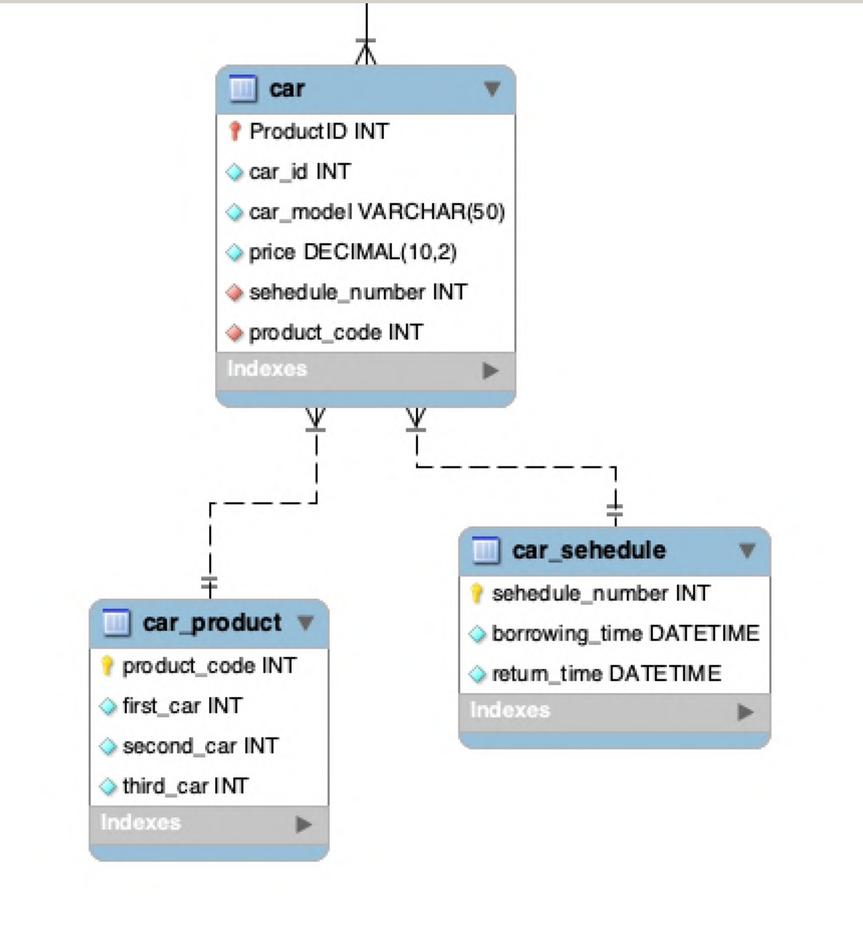
교통_기차



TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA
train		ProductID	int	int	PRI	NO	NULL	
train		train_id	int	int		NO	NULL	
train		train_date	datetime	datetime		NO	NULL	
train		departure	date	date		NO	NULL	
train		price	decimal	decimal(10,2)		NO	NULL	
train		seat	varchar	varchar(20)		NO	NULL	
train		seat_number	int	int	MUL	NO	NULL	
train		sehedule_number	int	int	MUL	NO	NULL	
train_seat		seat_number	int	int	PRI	NO	NULL	auto_increment
train_seat		seating_grade	varchar	varchar(45)		YES	NULL	
train_seat		reservation_train_seat	tinyint	tinyint(1)	MUL	YES	NULL	
train_sehedule		sehedule_number	int	int	PRI	NO	NULL	auto_increment
train_sehedule		daparture_time	datetime	datetime		NO	NULL	
train_sehedule		arrival_time	datetime	datetime		NO	NULL	
reservation_train_seat		reservation_train_seat	tinyint	tinyint(1)	PRI	NO	NULL	

Try Pitch

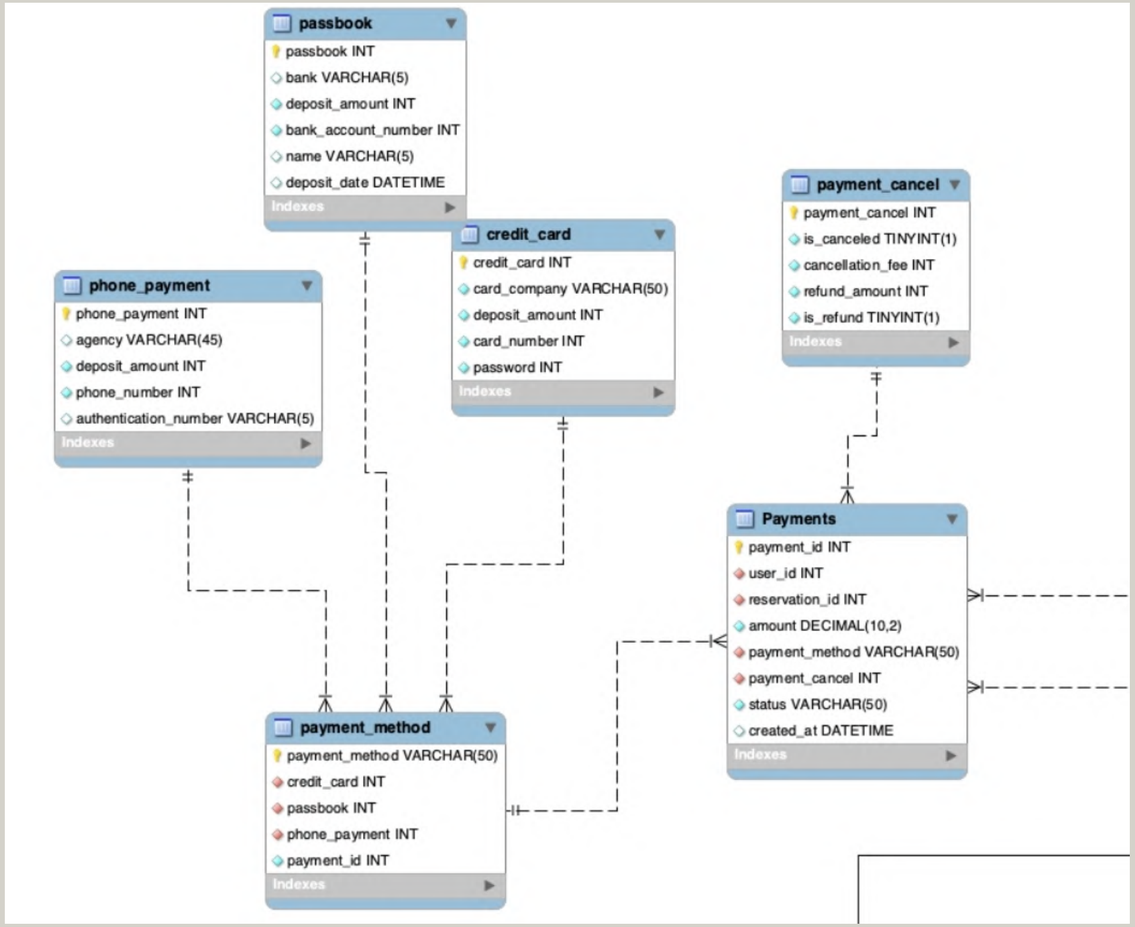
교통_렌트카



TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA
car		ProductID	int	int	PRI	NO	NULL	
car		car_id	int	int		NO	NULL	
car		car_model	varchar	varchar(50)		NO	NULL	
car		price	decimal	decimal(10,2)		NO	NULL	
car		sehedule_number	int	int	MUL	NO	NULL	
car		product_code	int	int	MUL	NO	NULL	
car_product		product_code	int	int	PRI	NO	NULL	auto_increment
car_product		first_car	int	int		NO	NULL	
car_product		second_car	int	int		NO	NULL	
car_product		third_car	int	int		NO	NULL	
car_sehedule		sehedule_number	int	int	PRI	NO	NULL	auto_increment
car_sehedule		borrowing_time	datetime	datetime		NO	NULL	
car_sehedule		return_time	datetime	datetime		NO	NULL	

Try Pitch

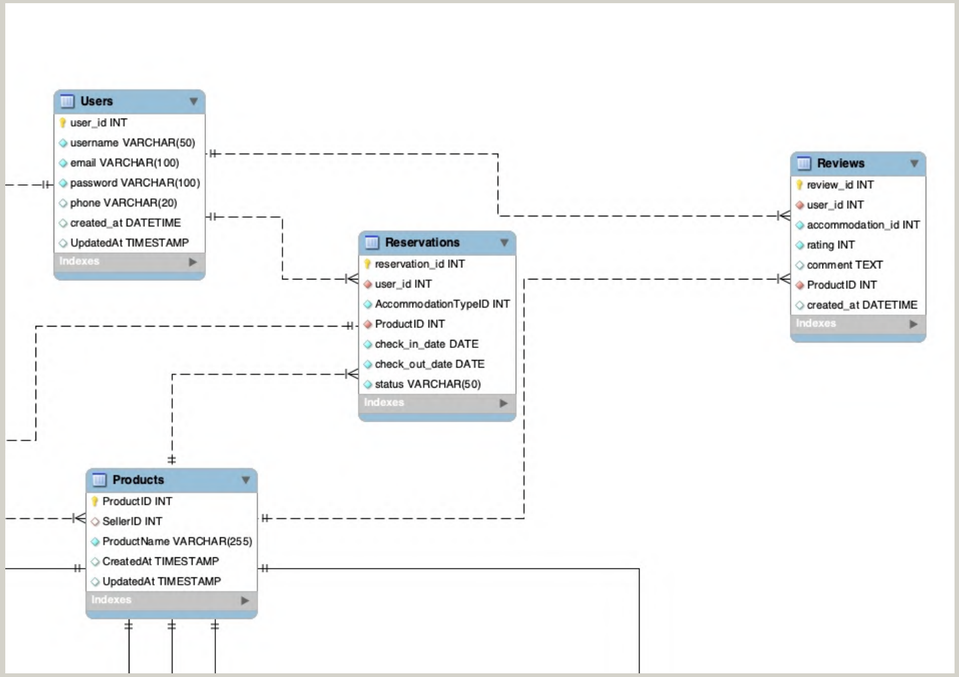
결제



TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA
Payments		payment_id	int	int	PRI	NO	NULL	auto_increment
Payments		user_id	int	int	MUL	NO	NULL	
Payments		reservation_id	int	int	MUL	NO	NULL	
Payments		amount	decimal	decimal(10,2)		NO	NULL	
Payments		payment_method	varchar	varchar(50)	MUL	NO	NULL	
Payments		payment_cancel	int	int	MUL	NO	NULL	
Payments		status	varchar	varchar(50)		NO	NULL	
Payments		created_at	datetime	datetime		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED
payment_cancel		payment_cancel	int	int	PRI	NO	NULL	
payment_cancel		is_canceled	tinyint	tinyint(1)		NO	NULL	
payment_cancel		cancellation_fee	int	int		NO	NULL	
payment_cancel		refund_amount	int	int		NO	NULL	
payment_cancel		is_refund	tinyint	tinyint(1)		NO	NULL	
payment_method		payment_method	varchar	varchar(50)	PRI	NO	NULL	
payment_method		credit_card	int	int	MUL	NO	NULL	
payment_method		passbook	int	int	MUL	NO	NULL	
payment_method		phone_payment	int	int	MUL	NO	NULL	
payment_method		payment_id	int	int		NO	NULL	
phone_payment		phone_payment	int	int	PRI	NO	NULL	
phone_payment		agency	varchar	varchar(45)		YES	NULL	
phone_payment		deposit_amount	int	int		NO	NULL	
phone_payment		phone_number	int	int		NO	NULL	
phone_payment		authentication_number	varchar	varchar(5)		YES	NULL	
passbook		passbook	int	int	PRI	NO	NULL	
passbook		bank	varchar	varchar(5)		YES	NULL	
passbook		deposit_amount	int	int		NO	NULL	
passbook		bank_account_number	int	int		NO	NULL	
passbook		name	varchar	varchar(5)		YES	NULL	
passbook		deposit_date	datetime	datetime		YES	NULL	
credit_card		credit_card	int	int	PRI	NO	NULL	
credit_card		card_company	varchar	varchar(50)		NO	NULL	
credit_card		deposit_amount	int	int		NO	NULL	
credit_card		card_number	int	int		NO	NULL	
credit_card		password	int	int		NO	NULL	

Try Pitch

리뷰



TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Reviews		review_id	int	int	PRI	NO	NULL	auto_increment	
Reviews		user_id	int	int	MUL	NO	NULL		
Reviews		accommodation_id	int	int		NO	NULL		
Reviews		rating	int	int		NO	NULL		
Reviews		comment	text	text		YES	NULL		
Reviews		ProductID	int	int	MUL	NO	NULL		
Reviews		created_at	datetime	datetime		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	

Try Pitch

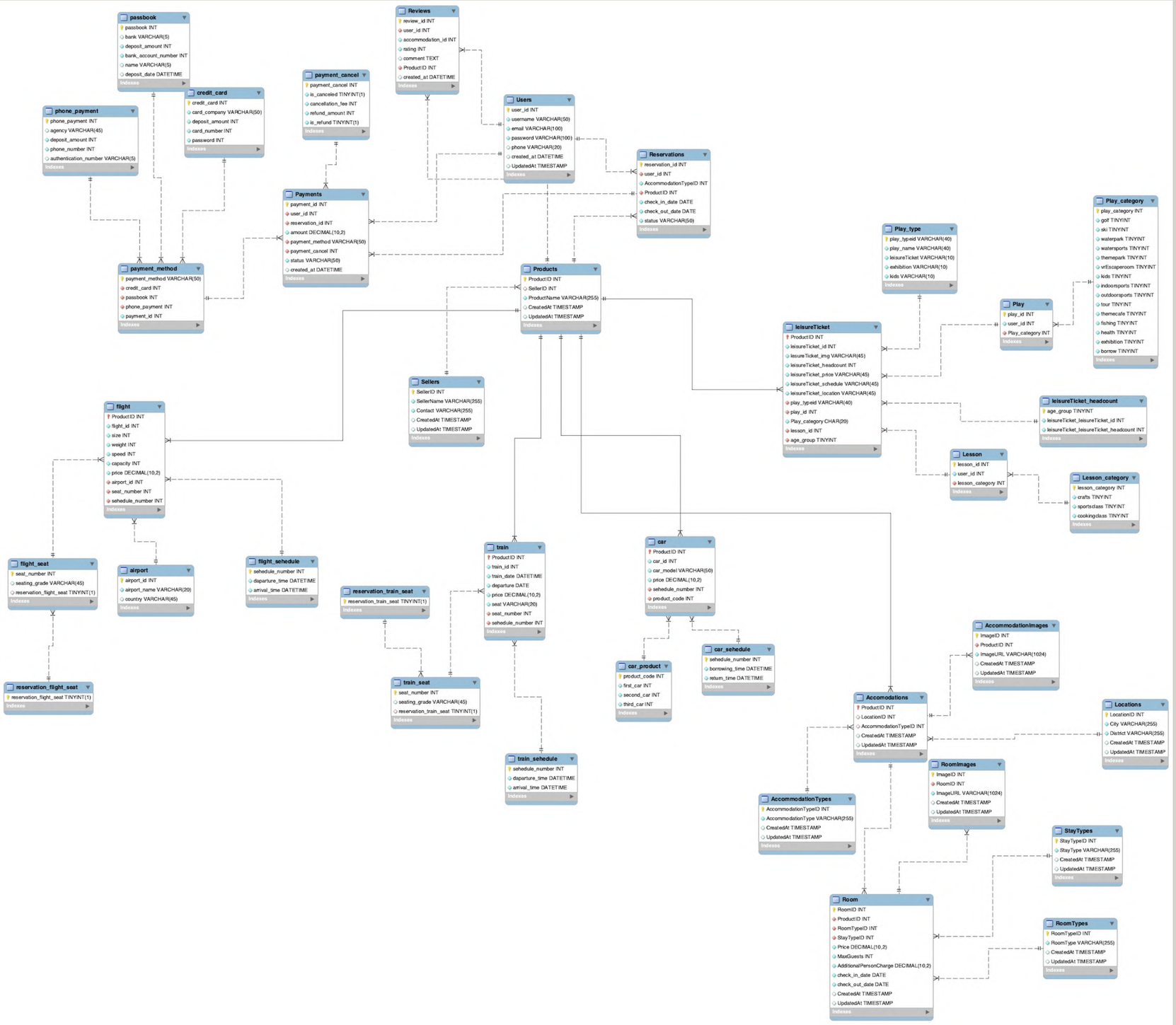
후기

- 야놀자 플랫폼의 전체적인 데이터베이스를 설계 한 것 이 아니라,
  가장 대표되는 부분만 SQL 명령문으로 E-R Diagram 과 릴레이션 스키마를 생성하였기 때문에,
  디테일과 볼륨량에서 부족함이 보인다고 생각합니다.
  따라서 기회가 된다면, 못 다뤘던 데이터베이스를 자세하고자 설계하고자 하는 마음이 있습니다.

- 지금은 데이터베이스 설계만 했지만, 나중에는 이러한 경험과 기술을 바탕으로,
  앱 또는 웹 서비스를 기획하여 구현해보고 싶습니다.

Try Pitch

전체 ERD



Try Pitch

전체 릴레이션 스키마

TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
AccommodationImages		ImageID	int	int	PRI	NO	NULL	auto_increment	
AccommodationImages		ProductID	int	int	MUL	NO	NULL		
AccommodationImages		ImageURL	varchar	varchar(1024)		NO	NULL		
AccommodationImages		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
AccommodationImages		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
AccommodationTypes		AccommodationTypeID	int	int	PRI	NO	NULL	auto_increment	
AccommodationTypes		AccommodationType	varchar	varchar(255)		NO	NULL		
AccommodationTypes		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
AccommodationTypes		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
Accomodations		ProductID	int	int	PRI	NO	NULL		
Accomodations		LocationID	int	int	MUL	YES	NULL		
Accomodations		AccommodationTypeID	int	int	MUL	YES	NULL		
Accomodations		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Accomodations		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
Lesson		lesson_id	int	int	PRI	NO	NULL		
Lesson		user_id	int	int		NO	NULL		
Lesson		lesson_category	int	int	MUL	NO	NULL		
Lesson_category		lesson_category	int	int	PRI	NO	NULL		
Lesson_category		crafts	tinyint	tinyint		NO	0		
Lesson_category		sportsclass	tinyint	tinyint		NO	0		
Lesson_category		cookingclass	tinyint	tinyint		NO	0		
Locations		LocationID	int	int	PRI	NO	NULL	auto_increment	
Locations		City	varchar	varchar(255)		NO	NULL		
Locations		District	varchar	varchar(255)		NO	NULL		
Locations		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Locations		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
Payments		payment_id	int	int	PRI	NO	NULL	auto_increment	
Payments		user_id	int	int	MUL	NO	NULL		
Payments		reservation_id	int	int	MUL	NO	NULL		
Payments		amount	decimal	decimal(10,2)		NO	NULL		
Payments		payment_method	varchar	varchar(50)	MUL	NO	NULL		
Payments		payment_cancel	int	int	MUL	NO	NULL		
Payments		status	varchar	varchar(50)		NO	NULL		
Payments		created_at	datetime	datetime		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Play		play_id	int	int	PRI	NO	NULL		
Play		user_id	int	int		NO	NULL		
Play		Play_category	int	int	MUL	NO	NULL		
Play_category		play_category	int	int	PRI	NO	NULL		
Play_category		golf	tinyint	tinyint		NO	0		
Play_category		ski	tinyint	tinyint		NO	0		
Play_category		waterpark	tinyint	tinyint		NO	0		
Play_category		watersports	tinyint	tinyint		NO	0		
Play_category		themepark	tinyint	tinyint		NO	0		
Play_category		vrEscaperoom	tinyint	tinyint		NO	0		
Play_category		kids	tinyint	tinyint		NO	0		

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TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
Play_category		indoorsports	tinyint	tinyint		NO	0		
Play_category		outdoorsports	tinyint	tinyint		NO	0		
Play_category		tour	tinyint	tinyint		NO	0		
Play_category		themecafe	tinyint	tinyint		NO	0		
Play_category		fishing	tinyint	tinyint		NO	0		
Play_category		health	tinyint	tinyint		NO	0		
Play_category		exhibition	tinyint	tinyint		NO	0		
Play_category		borrow	tinyint	tinyint		NO	0		
Play_type		play_typeid	varchar	varchar(40)	PRI	NO	NULL		
Play_type		play_name	varchar	varchar(40)		NO	NULL		
Play_type		leisureTicket	varchar	varchar(10)		NO	NULL		
Play_type		exhibition	varchar	varchar(10)		NO	NULL		
Play_type		kids	varchar	varchar(10)		NO	NULL		
Products		ProductID	int	int	PRI	NO	NULL	auto_increment	
Products		SellerID	int	int	MUL	YES	NULL		
Products		ProductName	varchar	varchar(255)		NO	NULL		
Products		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Products		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
Reservations		reservation_id	int	int	PRI	NO	NULL	auto_increment	
Reservations		user_id	int	int	MUL	NO	NULL		
Reservations		AccommodationTypeID	int	int		NO	NULL		
Reservations		ProductID	int	int	MUL	NO	NULL		
Reservations		check_in_date	date	date		NO	NULL		
Reservations		check_out_date	date	date		NO	NULL		
Reservations		status	varchar	varchar(50)		NO	NULL		
Reviews		review_id	int	int	PRI	NO	NULL	auto_increment	
Reviews		user_id	int	int	MUL	NO	NULL		
Reviews		accommodation_id	int	int		NO	NULL		
Reviews		rating	int	int		NO	NULL		
Reviews		comment	text	text		YES	NULL		
Reviews		ProductID	int	int	MUL	NO	NULL		
Reviews		created_at	datetime	datetime		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Room		RoomID	int	int	PRI	NO	NULL	auto_increment	
Room		ProductID	int	int	MUL	NO	NULL		
Room		RoomTypeID	int	int	MUL	NO	NULL		
Room		StayTypeID	int	int	MUL	NO	NULL		
Room		Price	decimal	decimal(10,2)		NO	NULL		
Room		MaxGuests	int	int		NO	NULL		
Room		AdditionalPersonChar…	decimal	decimal(10,2)		NO	NULL		
Room		check_in_date	date	date		NO	NULL		
Room		check_out_date	date	date		NO	NULL		
Room		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Room		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
RoomImages		ImageID	int	int	PRI	NO	NULL	auto_increment	
RoomImages		RoomID	int	int	MUL	NO	NULL		

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TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
RoomImages		ImageURL	varchar	varchar(1024)		NO	NULL		
RoomImages		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
RoomImages		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
RoomTypes		RoomTypeID	int	int	PRI	NO	NULL	auto_increment	
RoomTypes		RoomType	varchar	varchar(255)		NO	NULL		
RoomTypes		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
RoomTypes		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
Sellers		SellerID	int	int	PRI	NO	NULL	auto_increment	
Sellers		SellerName	varchar	varchar(255)		NO	NULL		
Sellers		Contact	varchar	varchar(255)		NO	NULL		
Sellers		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Sellers		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
StayTypes		StayTypeID	int	int	PRI	NO	NULL	auto_increment	
StayTypes		StayType	varchar	varchar(255)		NO	NULL		
StayTypes		CreatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
StayTypes		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
Users		user_id	int	int	PRI	NO	NULL	auto_increment	
Users		username	varchar	varchar(50)		NO	NULL		
Users		email	varchar	varchar(100)		NO	NULL		
Users		password	varchar	varchar(100)		NO	NULL		
Users		phone	varchar	varchar(20)		YES	NULL		
Users		created_at	datetime	datetime		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED	
Users		UpdatedAt	timestamp	timestamp		YES	CURRENT_TIMESTAMP	DEFAULT_GENERATED on update CURRENT…	
airport		airport_id	int	int	PRI	NO	NULL	auto_increment	
airport		airport_name	varchar	varchar(20)		NO	NULL		
airport		country	varchar	varchar(45)		YES	NULL		
car		ProductID	int	int	PRI	NO	NULL		
car		car_id	int	int		NO	NULL		
car		car_model	varchar	varchar(50)		NO	NULL		
car		price	decimal	decimal(10,2)		NO	NULL		
car		sehedule_number	int	int	MUL	NO	NULL		
car		product_code	int	int	MUL	NO	NULL		
car_product		product_code	int	int	PRI	NO	NULL	auto_increment	
car_product		first_car	int	int		NO	NULL		
car_product		second_car	int	int		NO	NULL		
car_product		third_car	int	int		NO	NULL		
car_sehedule		sehedule_number	int	int	PRI	NO	NULL	auto_increment	
car_sehedule		borrowing_time	datetime	datetime		NO	NULL		
car_sehedule		return_time	datetime	datetime		NO	NULL		
credit_card		credit_card	int	int	PRI	NO	NULL		
credit_card		card_company	varchar	varchar(50)		NO	NULL		
credit_card		deposit_amount	int	int		NO	NULL		
credit_card		card_number	int	int		NO	NULL		
credit_card		password	int	int		NO	NULL		
flight		ProductID	int	int	PRI	NO	NULL		

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TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
flight		flight_id	int	int		NO	NULL		
flight		size	int	int		NO	NULL		
flight		weight	int	int		NO	NULL		
flight		speed	int	int		NO	NULL		
flight		capacity	int	int		NO	NULL		
flight		price	decimal	decimal(10,2)		NO	NULL		
flight		airport_id	int	int	MUL	NO	NULL		
flight		seat_number	int	int	MUL	NO	NULL		
flight		sehedule_number	int	int	MUL	NO	NULL		
flight_seat		seat_number	int	int	PRI	NO	NULL	auto_increment	
flight_seat		seating_grade	varchar	varchar(45)		YES	NULL		
flight_seat		reservation_flight_seat	tinyint	tinyint(1)	MUL	YES	NULL		
flight_sehedule		sehedule_number	int	int	PRI	NO	NULL	auto_increment	
flight_sehedule		daparture_time	datetime	datetime		NO	NULL		
flight_sehedule		arrival_time	datetime	datetime		NO	NULL		
leisureTicket		ProductID	int	int	PRI	NO	NULL		
leisureTicket		leisureTicket_id	int	int		NO	NULL		
leisureTicket		lesureTicket_img	varchar	varchar(45)		NO	NULL		
leisureTicket		leisureTicket_headcount	int	int		NO	NULL		
leisureTicket		leisureTicket_price	varchar	varchar(45)		NO	NULL		
leisureTicket		leisureTicket_schedule	varchar	varchar(45)		NO	NULL		
leisureTicket		leisureTicket_location	varchar	varchar(45)		NO	NULL		
leisureTicket		play_typeid	varchar	varchar(40)	MUL	NO	NULL		
leisureTicket		play_id	int	int	MUL	NO	NULL		
leisureTicket		Play_category	char	char(20)		NO	NULL		
leisureTicket		lesson_id	int	int	MUL	NO	NULL		
leisureTicket		age_group	tinyint	tinyint	MUL	NO	NULL		
leisureTicket_headcount		age_group	tinyint	tinyint	PRI	NO	NULL		
leisureTicket_headcount		leisureTicket_leisureT…	int	int		NO	NULL		
leisureTicket_headcount		leisureTicket_leisureT…	int	int		NO	NULL		
passbook		passbook	int	int	PRI	NO	NULL		
passbook		bank	varchar	varchar(5)		YES	NULL		
passbook		deposit_amount	int	int		NO	NULL		
passbook		bank_account_number	int	int		NO	NULL		
passbook		name	varchar	varchar(5)		YES	NULL		
passbook		deposit_date	datetime	datetime		YES	NULL		
payment_cancel		payment_cancel	int	int	PRI	NO	NULL		
payment_cancel		is_canceled	tinyint	tinyint(1)		NO	NULL		
payment_cancel		cancellation_fee	int	int		NO	NULL		
payment_cancel		refund_amount	int	int		NO	NULL		
payment_cancel		is_refund	tinyint	tinyint(1)		NO	NULL		
payment_method		payment_method	varchar	varchar(50)	PRI	NO	NULL		
payment_method		credit_card	int	int	MUL	NO	NULL		
payment_method		passbook	int	int	MUL	NO	NULL		
payment_method		phone_payment	int	int	MUL	NO	NULL		

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TABLE_NAME	TABLE_COMMENT	COLUMN_NAME	DATA_TYPE	COLUMN_TYPE	COLUMN_KEY	IS_NULLABLE	COLUMN_DEFAULT	EXTRA	COLUMN_COMMENT
phone_payment		agency	varchar	varchar(45)		YES	NULL		
phone_payment		deposit_amount	int	int		NO	NULL		
phone_payment		phone_number	int	int		NO	NULL		
phone_payment		authentication_number	varchar	varchar(5)		YES	NULL		
reservation_flight_seat		reservation_flight_seat	tinyint	tinyint(1)	PRI	NO	NULL		
reservation_train_seat		reservation_train_seat	tinyint	tinyint(1)	PRI	NO	NULL		
train		ProductID	int	int	PRI	NO	NULL		
train		train_id	int	int		NO	NULL		
train		train_date	datetime	datetime		NO	NULL		
train		departure	date	date		NO	NULL		
train		price	decimal	decimal(10,2)		NO	NULL		
train		seat	varchar	varchar(20)		NO	NULL		
train		seat_number	int	int	MUL	NO	NULL		
train		sehedule_number	int	int	MUL	NO	NULL		
train_seat		seat_number	int	int	PRI	NO	NULL	auto_increment	
train_seat		seating_grade	varchar	varchar(45)		YES	NULL		
train_seat		reservation_train_seat	tinyint	tinyint(1)	MUL	YES	NULL		
train_sehedule		sehedule_number	int	int	PRI	NO	NULL	auto_increment	
train_sehedule		daparture_time	datetime	datetime		NO	NULL		
train_sehedule		arrival_time	datetime	datetime		NO	NULL		

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