

LAPORAN DESIGN OF DATABASE



Disusun oleh:

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Kelas : IF-45-09

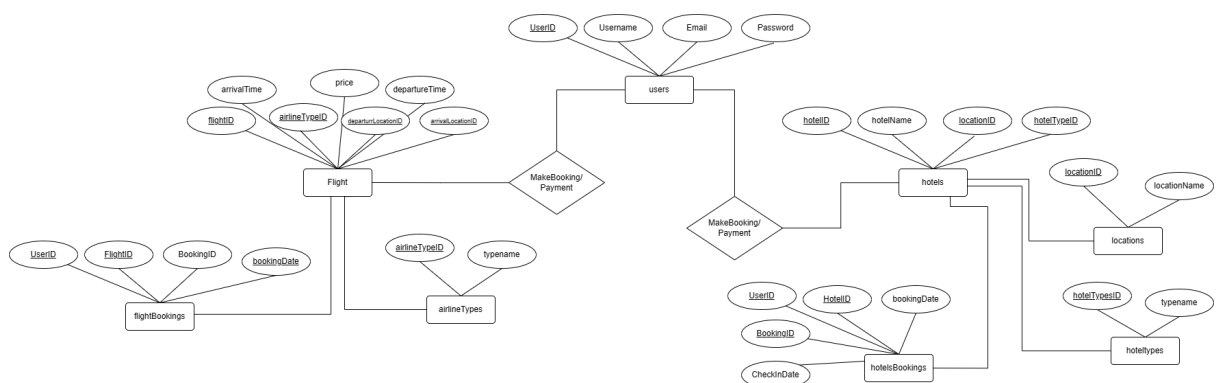
**PROGRAM STUDI S1 INFORMATIKA
FAKULTAS INFORMATIKA
UNIVERSITAS TELKOM
BANDUNG
2023**

<https://github.com/MohHilmanFariz/mysql>

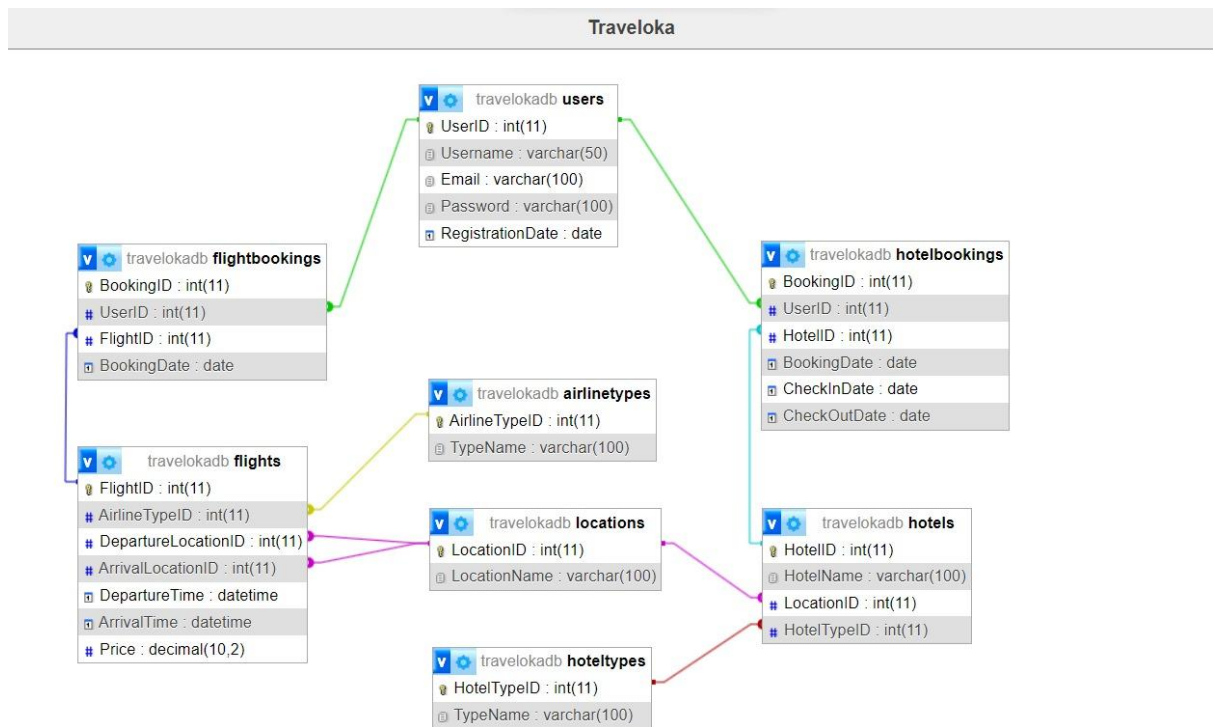
a. Class diagram



c. ERD



d. Relation Schema



e. Design Tables Structure

- airlinestype

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	AirlineTypeID 🔑	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	TypeName	varchar(100)	utf8mb4_general_ci	No	None			Change Drop More

- flightBooking

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	BookingID 🔑	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	UserID 🔑	int(11)		Yes	NULL			Change Drop More
<input type="checkbox"/>	3	FlightID 🔑	int(11)		Yes	NULL			Change Drop More
<input type="checkbox"/>	4	BookingDate	date		Yes	NULL			Change Drop More

- flights

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	FlightID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	AirlineTypeID	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	3	DepartureLocationID	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	4	ArrivalLocationID	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	5	DepartureTime	datetime			Yes	NULL			Change Drop More
<input type="checkbox"/>	6	ArrivalTime	datetime			Yes	NULL			Change Drop More
<input type="checkbox"/>	7	Price	decimal(10,2)			Yes	NULL			Change Drop More

- hotelbooking

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	BookingID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	UserID	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	3	HotelID	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	4	BookingDate	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	5	CheckInDate	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	6	CheckOutDate	date			Yes	NULL			Change Drop More

- hotels

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	HotelID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	HotelName	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	LocationID	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	4	HotelTypeID	int(11)			Yes	NULL			Change Drop More

- hoteltype

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	HotelTypeID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	TypeName	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

☐ Check all
 With selected:
 Browse
 Change
 Drop
 Primary
 Unique
 Index
 Spatial
 Fulltext

- location

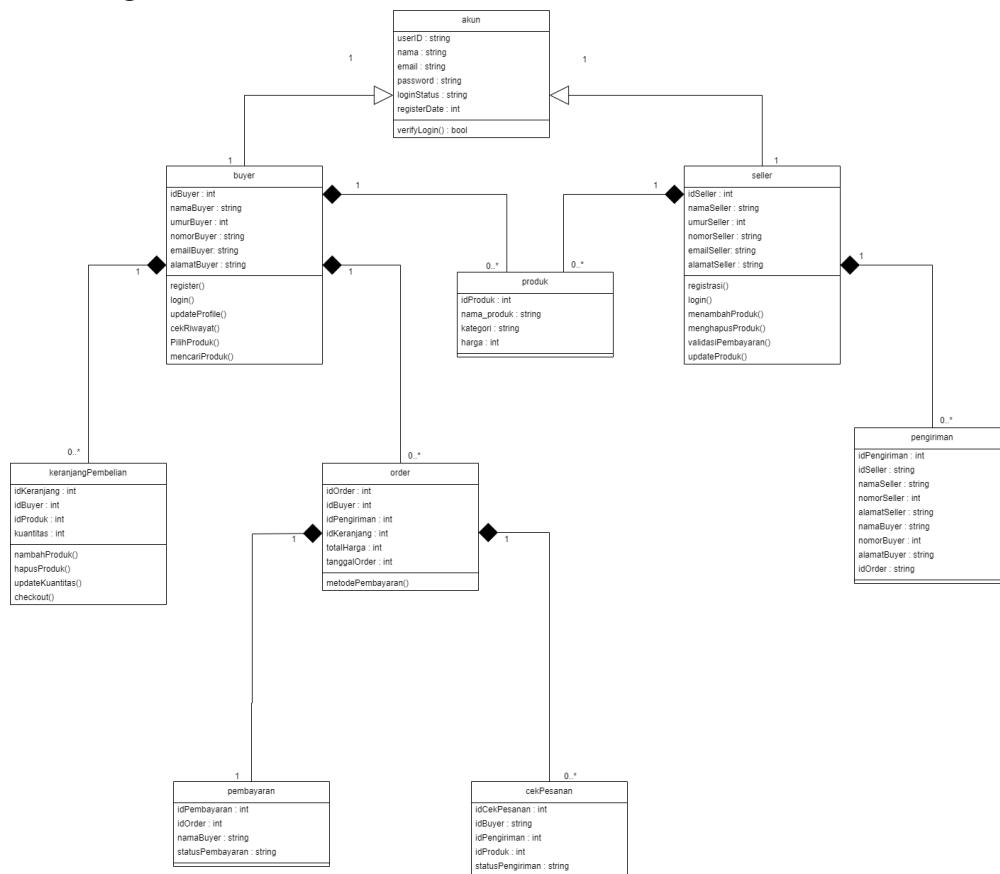
	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	LocationID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	LocationName	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

- users

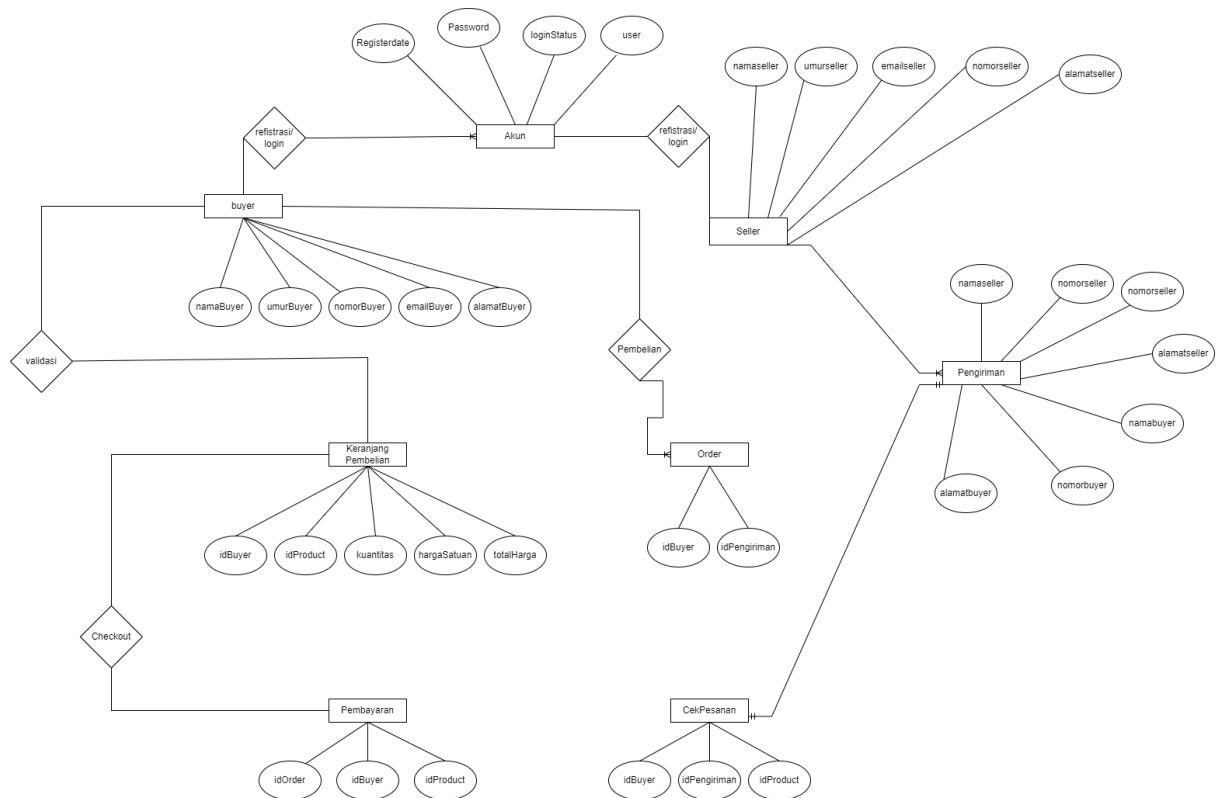
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 UserID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 Username	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 Email	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 Password	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5 RegistrationDate	date			Yes	NULL			Change Drop More

2. PROJECT MEASEAKU

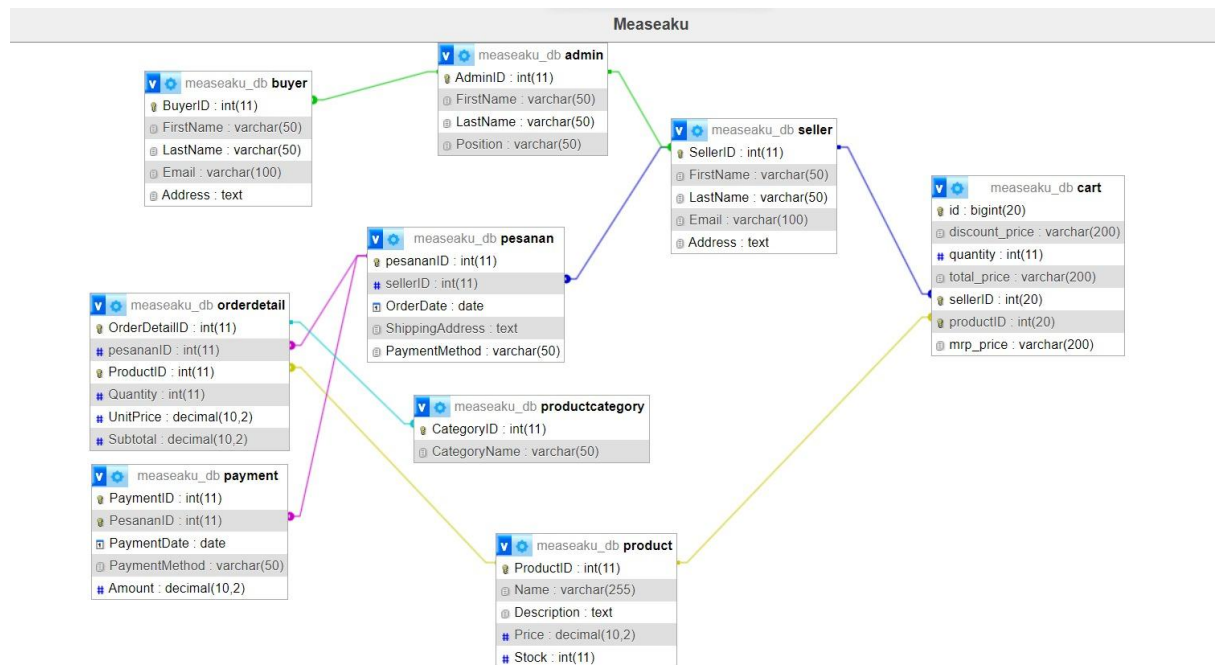
a. Class diagram



b. ERD




c. Relation Schema




d. Design Tables Structure


- admin

#	Name	Type	Collation	Attributes	Null	Default
1	AdminID 	int(11)			No	None
2	FirstName	varchar(50)	utf8mb4_general_ci		Yes	NULL
3	LastName	varchar(50)	utf8mb4_general_ci		Yes	NULL
4	Position	varchar(50)	utf8mb4_general_ci		Yes	NULL

- buyer

#	Name	Type	Collation	Attributes	Null	Default
1	BuyerID 	int(11)			No	None
2	FirstName	varchar(50)	utf8mb4_general_ci		Yes	NULL
3	LastName	varchar(50)	utf8mb4_general_ci		Yes	NULL
4	Email	varchar(100)	utf8mb4_general_ci		Yes	NULL
5	Address	text	utf8mb4_general_ci		Yes	NULL

- seller

#	Name	Type	Collation	Attributes	Null	Default
1	SellerID 	int(11)			No	None
2	FirstName	varchar(50)	utf8mb4_general_ci		Yes	NULL
3	LastName	varchar(50)	utf8mb4_general_ci		Yes	NULL
4	Email	varchar(100)	utf8mb4_general_ci		Yes	NULL
5	Address	text	utf8mb4_general_ci		Yes	NULL

- cart

#	Name	Type	Collation	Attributes	Null	Default
1	id 🔑	bigint(20)			No	None
2	discount_price	varchar(200)	utf8mb4_general_ci		Yes	NULL
3	quantity	int(11)			No	None
4	total_price	varchar(200)	utf8mb4_general_ci		Yes	NULL
5	sellerID 🔑	int(20)			Yes	NULL
6	productID 🔑	int(20)			Yes	NULL
7	mrp_price	varchar(200)	utf8mb4_general_ci		Yes	NULL



- pesanan

#	Name	Type	Collation	Attributes	Null	Default
1	pesananID 🔑	int(11)			No	None
2	sellerID 🔑	int(11)			Yes	NULL
3	OrderDate	date			Yes	NULL
4	ShippingAddress	text	utf8mb4_general_ci		Yes	NULL
5	PaymentMethod	varchar(50)	utf8mb4_general_ci		Yes	NULL


- orderdetail

#	Name	Type	Collation	Attributes	Null	Default
1	OrderDetailID 🔑	int(11)			No	None
2	pesananID 🔑	int(11)			Yes	NULL
3	ProductID 🔑	int(11)			Yes	NULL
4	Quantity	int(11)			Yes	NULL
5	UnitPrice	decimal(10,2)			Yes	NULL
6	Subtotal	decimal(10,2)			Yes	NULL


- payment

#	Name	Type	Collation	Attributes	Null	Default
1	PaymentID 	int(11)			No	<i>None</i>
2	PesananID 	int(11)			Yes	<i>NULL</i>
3	PaymentDate	date			Yes	<i>NULL</i>
4	PaymentMethod	varchar(50)	utf8mb4_general_ci		Yes	<i>NULL</i>
5	Amount	decimal(10,2)			Yes	<i>NULL</i>

- product

#	Name	Type	Collation	Attributes	Null	Default
1	ProductID 	int(11)			No	<i>None</i>
2	Name	varchar(255)	utf8mb4_general_ci		Yes	<i>NULL</i>
3	Description	text	utf8mb4_general_ci		Yes	<i>NULL</i>
4	Price	decimal(10,2)			Yes	<i>NULL</i>
5	Stock	int(11)			Yes	<i>NULL</i>

- productcategory

#	Name	Type	Collation	Attributes	Null	Default
1	CategoryID 	int(11)			No	<i>None</i>
2	CategoryName	varchar(50)	utf8mb4_general_ci		Yes	<i>NULL</i>