

EBAY							
USERS							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
USER_ID	Unique ID for each user	INTEGER	[0-99999999]	8	Y	PK	
USERNAME	User's preferred name	VARCHAR	[A-Za-z]	20	Y		
PASSWORD	User's password	VARCHAR	[A-Za-z0-9]	20	Y		
NAME	User's full name	VARCHAR	[A-Za-z]	50	Y		
DOB	User's date of birth	DATE	yyyy-mm-dd	10	Y		
ADDRESS_ID	Unique ID for the address of a user	INTEGER	[0-99999999]	8	Y	FK	ADDRESS
ROLE	User's role (0: user, 1: seller, 2: employee, 3: admin)	INTEGER	[0-3]	1	Y		
SELLERS							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
SELLER_ID	Unique ID for each seller	INTEGER	[0-99999999]	8	Y	PK	
SELLER_NAME	Seller's name	VARCHAR	[A-Za-z]	50	Y		
ADDRESS_ID	Unique ID for the address of a user	INTEGER	[0-99999999]	8	Y		
BANK_INFO	Bank account number	CHAR	[0-99999999]	8	Y		
USER_ID	Unique ID for each user	INTEGER	[0-99999999]	8	Y	FK	USERS
PAYMENT_INFO							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
USER_ID	Unique ID for each user	INTEGER	[0-99999999]	8	Y	PK,FK	USERS
CARD_NUM	Credit card number	CHAR	[0-9999999999999999]	16	N		
CARD_TYPE	Name of card's network	VARCHAR	[A-Za-z]	20	N		
PAYPAL_LOGIN	PayPal email	VARCHAR	[A-Za-z]@[A-Za-z].[a-z]	100	N		
TRANSACTION							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
TRANS_ID	Unique ID for each transaction	INTEGER	[0-99999999]	8	Y	PK	
PRODUCT_ID	Unique ID for each product	INTEGER	[0-99999999]	8	Y	FK	PRODUCTS
SELLER_ID	Unique ID for each seller	INTEGER	[0-99999999]	8	Y	FK	SELLERS
USER_ID	Unique ID for each user	INTEGER	[0-99999999]	8	Y	FK	USERS
SHIPPING_ID	Unique ID for each shipment	INTEGER	[0-99999999]	8	Y	FK	SHIPPING_INFO
AMOUNT	Total amount of transaction	NUMERIC	[0-99999999].[0-99]	11	Y		
PRODUCT							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
PRODUCT_ID	Unique ID for each product	INTEGER	[0-99999999]	8	Y	PK	
SELLER_ID	Unique ID for each seller	INTEGER	[0-99999999]	8	Y	FK	SELLERS
PRICE	Product's price	NUMERIC	[0-99999999].[0-99]	11	Y		
PRODUCT_TYPE	Type of product being sold	VARCHAR	[A-Za-z]	20	Y		
PRODUCT_NAME	Product's name	VARCHAR	[A-Za-z]	20	Y		
LISTING_TYPE	Type of transaction (bid or "buy now")	VARCHAR	[A-Za-z]	10	Y		
CONDITION	Condition of the product	VARCHAR	[A-Za-z]	10	Y		
BID							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
BID_ID	Unique ID for each bid placed	INTEGER	[0-99999999]	8	Y	PK	
PRODUCT_ID	Unique ID for each product	INTEGER	[0-99999999]	8	Y	FK	PRODUCTS
USER_ID	Unique ID for each user	INTEGER	[0-99999999]	8	Y	FK	USERS
AMOUNT	Bid amount	NUMERIC	[0-99999999].[0-99]	11	Y		
TIME	Date and time of the bid	TIME	yyyy-mm-dd hh:mm:ss	19	Y		
SHIPPING_INFO							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
SHIPPING_ID	Unique ID for each shipment	INTEGER	[0-99999999]	8	Y	PK	
TRANS_ID	Unique ID for each transaction	INTEGER	[0-99999999]	8	Y	FK	TRANSACTION
SHIPPING_STATUS	Shipping status for a transaction	VARCHAR	[A-Za-z]	10	Y		
TRACK_NUM	Number that is used to track the shipping status	VARCHAR	[A-Za-z]	20	Y		
SHIP_PROVIDER	Provider used to ship the items	VARCHAR	[A-Za-z]	20	Y		
CART_ITEM							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
USER_ID	Unique ID for each user	INTEGER	[0-99999999]	8	Y	PK,FK	USERS
PRODUCT_ID	Product being purchased ID	INTEGER	[0-99999999]	8	Y	PK,FK	PRODUCT
QUANTITY	Number of items in the cart	INTEGER	[0-99999999]	3	Y		
RATINGS							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
RATING_ID	Unique ID for each rating	INTEGER	[0-99999999]	8	Y	PK	
RATING	User's rating	DECIMAL	[0-9].[0-9]	3	Y		
COMMENTS	Comments regarding the seller written by the user	VARCHAR	[A-Za-z]	200	N		
SELLER_ID	Unique ID for each seller	INTEGER	[0-99999999]	8	Y	FK	SELLERS
ADDRESS							
ATTRIBUTES	DESCRIPTION	TYPE	FORMAT	FIELD LENGTH	REQUIRED	PK or FK	FK REFERENCED TABLE
ADDRESS_ID	Unique ID for the address of a user	INTEGER	[0-99999999]	8	Y	PK	
NUMBER	Street number	VARCHAR	[0-9A-Za-z]	5	Y		
STREET	Name of the street	VARCHAR	[A-Za-z]	50	Y		
CITY	Name of the city	VARCHAR	[A-Za-z]	50	Y		
STATE	Abbreviation of the state	CHAR	[A-Z]	2	Y		
ZIP	Zip code	CHAR	[0-99999]	5	Y		