

CS564 PP1

Wen-Fu Lee wlee256@wisc.edu 9077987502
Shang-Yen Yeh syeh6@wisc.edu 9079956299
Yahn-Chung Chen chen666@wisc.edu 9075858895

ER Modeling & Schema Design:

Entity Set: User, primary key: UserID

No.	Attribute	Type	description
1	UserID	TEXT	Unique id for a user across all users
2	Rating	INTEGER	User's rating
3	Location	TEXT	The user's location
4	Country	TEXT	The user's country

Entity Set: Item, primary key: ItemID

No.	Attribute	Type	description
1	ItemID	INTEGER	An identifier unique across all items
2	SellerID	TEXT	Unique id for a user across all users
3	Number_of_Bids	INTEGER	Number of Bids/Bid elements
4	First_Bid	FLOAT	The minimum qualifying first-bid

			amount
5	Buy_Price	FLOAT	The price, chosen by the seller before the auction starts
6	Currently	FLOAT	The current highest bid
7	Name	TEXT	A short item description used as the auction's title
8	Started	TEXT	Auction start time
9	Ends	TEXT	Auction end time
10	Description	TEXT	The item's full description

Relationship: Bid, primary key: ItemID + UserID + Time

No.	Attribute	Type	description
1	ItemID(foreign key)	INTEGER	An identifier unique across all items
2	UserID(foreign key)	TEXT	Unique id for a user across all users
3	Time	TEXT	Time of bid
4	Amount	FLOAT	Amount of bid

Entity Set: Category, primary key: Type

No.	Attribute	Type	description
1	Type	TEXT	A category to which the item belongs

Relationship: Categorize

No.	Attribute	Type	description
1	ItemID(foreign key)	INTEGER	An identifier unique across all items
2	Type(foreign key)	TEXT	An identifier unique across all items