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<u>Buy Her a Drink</u>

Database Design Document- Initial Draft

By Brian Murphy

<u>Application Purpose:</u> Knowing who is interested in a bar or club can be stressful, as rejection and unwanted advances are common which can ruin a good night. The app is designed to allow people to guarantee they will find an interested partner, allowing men and women to avoid the awkwardness and go straight to having a good time.

NOTE: For use cases, a man is assumed to be the one who makes the advance and women to be receiving and deciding who to pick. However, genders are interchangeable-on an application level a user can be on either side. Though if we want to be more female focused, this may work to sell that angle.

<u>Assumed Use Case:</u> A woman wants to go out to her favorite bar or club and wants someone to buy her a drink there. She loads the app, makes a post with what she is looking for. Men in the area see that post and respond with offers. She goes through them, accepts one and the two meet up and have a good time.

<u>How our app is different from other dating apps:</u> It allows women to select locations they are comfortable with, rather than just the guy they want to see. Men know they will be able to see someone, and don't have to worry about selecting a place she will like. We could also maybe make it so that users looking for someone are only sent information for sites in a 1 mile radius or so, so you don't have people from the Bronx replying to those in Staten Island. Just something to consider.

I propose the following blueprint for the database. This isn't everything we may need, but this should be enough to motivate design of the application. I should also say that this is just the data- how and what is presented(profile view, search view, etc.) is different based on the view. I used VarChar a lot, but we may be able to use other data types as appropriate.

Table List:

Users-Stores needed user information

User_Details-Such as Hobbies, additional Bio etc.

Pictures-Profile Picture, uploaded etc for Users

Post-Information on the Post itself.

Location-Information about the Bar, Club, etc

Offers-For when people make offers on Post

Application Flow: A User makes a Post, and picks a Location. This information is shown on the app, and people can make an Offer. The Creator of the Post reviews them, and Accepts or Rejects. Once a Offer is accepted, the post is marked inactive to the app, and updated with the person who made the accepted Offer. The Post Creator can review information and previous Posts they made. Detailed breakdown below.

Users-Stores needed user information		
Field Name	Field Type	Description
User_Id	Integer, Primary Key	Used to identify users internally
First Name	VarChar, 50	First Name. VarChar is just text, the number is how long it can be
Last Name	VarChar, 60	Last Name. Made a little longer for hyphen names
Middle Name	Var Char,20	Middle Name or initial. Usually short
Suffix	VarChar,10	Suffix for Jr, the III, etc.
UserName	VarChar,20	Usernames should be short
Password	VarChar,50	Passwords can be longer
Bio	VarChar, 1000	Bios can be long.
Birthday	Date	Used to verify how old someone is. 21 plus only.
Location	VarChar, 200	Such as New York, or could be boro. Whatever they want to put.
Gender	VarChar, 20	Male, Female, none, other. Allows for gender expression.

LookingFor	VarChar,50	Looking for a Relationship, Fling, Date, etc
Interested_In	VarChar,20	Men, Women, other, etc.
Tagline	VarChar,30	Quick statement about themselves
ProfileStatus	VarChar,50	Away, Active, etc. Also can include short message.
Profile Picture	Image	Main Profile Picture
Email	Email	Email of the User

User_Details-Such as Hobbies, additional Bio etc.		
Field Name	Field Type	Description
Detail_Id	Integer, Primary Key	Used to identify the detail name
User_Id	Integer, Foreign Key	Links to the User who the detail is about
Detail_Type	VarChar,20	From a dropdown, such as Hobby, Favorite Activity, Funny Memory etc
Detail_Info	VarChar,250	Message about the detail, such as a Hobby List or such.

Pictures-Profile Picture, uploaded etc		
Field Name	Field Type	Description
Pic_Id	Integer, Primary Key	Identifies the picture
User_Id	Integer, Foreign Key	Links to the User who uploaded it.
Picture	Image	Picture user has uploaded

Post		
Field Name	Field Type	Description
Post_Id	Integer, Primary Key	Identifies the post
Creator	Integer, Foreign Key User_Id	Relates back to the user who made the post
Created_Date	Timestamp	Date the post was made, not when it was active. Tracked for data purposes.

Title	VarChar,50	Title of the Post
Seeking	VarChar,100	What the poster is looking for, someone to buy, man to buy, someone to buy for etc. From dropdown.
Message	VarChar,500	Message for seekers to look at.
Location	Integer, FK Locale_Id	Relates to the Location or Bar Table.
ViewCount	Integer	Count of how many people have seen the post. Internal use, but may open to users.
Start_Date	Date and Time	Includes time and date, starting period that post is active for.
End_Date	Date and Time	End date for the post to be active.
User_Accepted	Integer, FK User_Id	Once someone is selected, the Id of the user who took the offer is saved here.
Active	Boolean	Determines if the Post can be seen or not.

Location-Information about the Bar, Club, etc		
Field Name	Field Type	Description
Location_Id	Integer,Primary Key	Identifies the location
Address	VarChar,200	Address of the location
Profile Picture	Image	Picture of the location
Description	VarChar,200	Description of the location
Link	URL	Link to the website, if applicable, for the location,

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Response To Post (Needs rewording)-For when people make offers on Post		
Field Name	Field Type	Description
Response_Id	Integer, Primary Key	
Post_Id	Integer, Foreign Key Post	Links to a specific Post
Creator	Integer, Foreign Key User_Id	One who made the Response. Allows Profile Pic and other info to be pulled.
Message	VarChar,300	Message.
Offer	TBD	Money, points, etc
Status	VarChar	Accepted, Rejected, Not seen, etc.