

# Database Schema Design Plan

User	
user_id	int/inc/u
user_name	char/u
user_auth_id	?
user_renter	bool
user_rentor	bool
user_home	loc_id
user_email	char
user_phone	char
user_renter_rating	float
user_rentor_rating	float
user_renter_trans	float
user_rentor_trans	float
user_renter_total	float
user_rentor_total	float

User table:  
 ref by: gear and trans tables  
 user to location = one to one

location	
loc_id	int/inc/u
loc_address1	char
loc_address2	char
loc_city	char
loc_state	char
loc_country	char
loc_lon	int
loc_lat	int

location table:  
 ref by user and gear tables

gear	
gear_id	int/inc/u
user_id	user_id
loc_id	loc_id
cat_id	cat_id
gear_desc	char
gear_gender	m/w/u
gear_rate	float
gear_rating	float
gear_image	char/url

Gear table:  
 ref by: trans table  
 gear to user = many to one  
 gear to location = one to one  
 gear to category = one to one

category	
cat_id	int/inc/u
cat_name	char/u

Category table:  
 ref by: gear table

tranactions	
tran_id	int/inc/u
tran_rentor	user_id
tran_renter	user_id
gear_id	int
tran_start	date
tran_stop	date
tran_days	int
tran_insurance	float
tran_daily_rate	float
tran_total	float
tran_renter_rating	float
tran_rentor_rating	float

Transaction table:  
 ref by: none  
 trans to user = one to one (twice)  
 trans to gear = one to one