

Trip	
PK	<u>trip_id : long</u>
FK1	user_id : long
IX1	start_time : Date
IX2	end_time : Date
IX3	distance : float
	max_speed : int

User	
PK	<u>user_id : long</u>
UQ1	oauth_key : String
	display_name : String

Gear	
PK	<u>gear_id : long</u>
FK1	user_id : long
IX1	gear_type : Enum
IX2	description : String

FavoriteSkiResort	
PK	<u>favorite_ski_resort_id : long</u>
FK1, UQ1	user_id : long
FK2, UQ1	ski_resort_id : long

SkiResort	
PK	<u>ski_resort_id : long</u>
UQ1	name : String
IX1	latitude : double
IX2	longitude : double

One user can have many optional trips

One user can have many optional pieces of gear

One user can favorite many ski resorts

One ski resort can have many favorites