Category	User						
Attributes	user_id	user_name	password	email	date_of_birth	sex	name
Tuple type	*small int*	*Character varying (25)*	*Character varying (25)*	*Character varying (30)*	*time stamp*	*enum*	*Character varying (25)*
Nullable	*not null*	*not null*	*not null*	*not null*	*not null*	*not null*	*not null*

Primary key: (user_id)

Foreign key: (transport_id, food_id, water_id)

Category	Transport					
Attributes	transport_id	vehicle type	distance	duration	footprint_score	polar_score
Tuple type	*small int*	*enum (bike, car, bus ect.)*	*integer*	*time stamp*	*integer*	*integer*
Nullable	*not null*	*nullable*	*nullable*	*nullable*	*nullable*	*nullable*

Primary key: (transport_id,)

Foreign key: (user_id, food_id, water_id)

Category	Food				
Attributes	food_id	meal_type	number_of_plates	footprint_score	polar_score
Tuple type	*small int*	*enum (vegetarian, fast-food, ect.)*	*small int*	*integer*	*integer*
Nullable	*not null*	*nullable*	*nullable*	*nullable*	*nullable*

Primary key: (food_id)

Foreign key: (user_id, transport_id, water_id)

Category	Water				
Attributes	water_id	usage_type	duration	footprint_score	polar score
Tuple type	*small int*	enum (shower, washing-machine, ect.)	time stamp	integer	integer
Nullable	*not null*	nullable	nullable	nullable	nullable

Primary key: (water_id)

Foreign key: (user_id, transport_id, food_id)

Category	Score			
Attributes	user_id	date	footprint_total	polar_total
Tuple type	*small int*	*time stamp with time zone*	*integer*	*integer*
Nullable	*not null*	*not null*	*not null*	*not null*

Primary key: (user_id)

Foreign key: (transport_id, water_id, food_id)

Entity-Relationship Diagram

User entity attributes:
- user_id (key)
- user_name
- password
- name
- date_of_birth
- sex
- email

Transport entity attributes:
- vehicle_type
- transport_id (key)
- duration
- distance
- footprint_score
- polar_score

Water entity attributes:
- water_id (key)
- usage_type
- duration
- footprint_score
- polar_score

Food entity attributes:
- meal_type
- number_of_plates
- food_id (key)
- footprint_score
- polar_score

Score entity attributes:
- user_id (key)
- email
- footprint_total
- polar_total

Relationships:
- Total footprint calculation
- Total polar calculation

Cardinalities shown: N (Transport, Water, Food) to 1 (Score)

ISA hierarchy: **d** (disjoint specialization) connecting User to Transport, Water, Food, Score