Class Architecture Draft

User Class

-user_id : int
-Username: String
-Name: String
-Age: int
-Country: String
-Email: String
-Footprint: Foorpting
-Friends: array Strings
-Seeds: int

Base Consumption

-user_id: int
-consumption_id: int
-base_consumption_id: int
-base_consumption: Array of Objects

Date

-Day: int
-Month: int
-Year: int
-Day_string: string

+get_day( ): int
+get_month( ): int
+get_year( ) : int
+set_date(int day, month, year) : void

Consumption

-consumption_id : int
-user_id : int
-Base_consumption_id: int
-Yearly_Footprint: Float
-Monthly_Footprint: Float
-Average_Footpriny: Float
-Total_consumption: array Objects

Receipt

Type: String
Duration: [Date, Date]
Footprint: int
Number_People: int
Content: Array of Object

Object

-object_id : int
-Date: Date
-Footprint: float
-Name: String
-Type : Food / Transport

Food

-Receipt_id: int
-Barcode: String
-Quantity: int
-Category: Meat / Green / Dairy / Cereal /

Transport

-Receipt_id: int
Time: int (minutes/ hours?)
Distance: int (km)
Number_People : int