Class diagram for the BE layer

Review

+ ReviewerName: string
+ ReviwerBirthday: DateTime
+ Review: string
+ Rating: int
+ ImageURL: string
+ PublishDate: DateTime

+ Search(string): bool
+ Search(DateTime): bool

<<Abstract>>
Product

+ Code: string
+ Name: string
+ Price: double
+ Vegan: bool
+ SugarFree: bool
+ Description: string
+ Reviews: List<Review>
+ NutritionalValues: string

+ *Search(Dictionary<string, List<Object>>): bool*
+ AddReview(Review): void

Shop

+ Name: string
+ Address: Address
+ Phone: string
+ Website: string
+ Facebook: string
+ Instagram: string
+ ImageURL: string
+ Products: Product

+ AddProduct(Product): void
+ Search(params var): List<Product>

* Reviews
* Products

1 Address

Address

+ City: string
+ Street: string
+ Number: int

Waffle

+ GlutenFree: bool

+ Search(Dictionary<string, List<Object>>): bool

FrenchCrape

+ FreeExtras: bool

+ Search(Dictionary<string, List<Object>>): bool

FrozenYogurt

+ Fat: double
+ MilkType: MILKTYPE

+ Search(Dictionary<string, List<Object>>): bool

1 MilkType

<<Abstract>>
FlavoredProduct

+ Flaver: string

<<Enumeration>>
MILKTYPE

CowMilk
GoatMilk
SoyMilk

Smoothie

+ Search(Dictionary<string, List<Object>>): bool

IceCream

+ Search(Dictionary<string, List<Object>>): bool