FoodWiz integration with QuisperAPI

The goal of this document is to describe API endpoints on Foodwiz backend site in order to integrate with QuisperAPI.

The content type for each API response is JSON.

Authentication

Foodwiz API requires an authentication key for each request. The key is fixed and should be send using custom http header - *X-3scale-proxy-secret-token*. Communication will act over https protocol to protect against *man in the middle* attack. When authentication fails, the 403 status code will be returned with suitable error message.

Product endpoints

Two API endpoints are created for Quisper in order to query product data.

UnitType in nutritions collection is a dictionary value: [0 – Unknown, 1 – Grams, 2 – Miligrams, 3 – RDA, 4 – NRV, 5 – GDA, 6 – Kj, 7 – Kcal, 8 – Micrograms, 9 – Kilograms, 10 – Centimetre, 11 – Percent]

1. **GET /quisper/product?barcode={*string*}**

   Endpoint returns one product with its nutrition data for given EAN barcode.

   Sample response:
```
{
        "name":"Test 1",
        "eanBarcode":"0123",
        "perServingName":null,
        "perUsedName":null,
        "per100g":true,
        "nutritions":[
        {
                "value":580.00,
                "unitType":7,
                "name":"Calories",
                "valuePerServing":null,
                "valuePerUsed":null
        },
        {
                "value":0.67,
                "unitType":1
                "name":"Sodium",
                "valuePerServing":null,
                "valuePerUsed":null
        },
        {
                "value":2.67,
                "unitType":1,
                "name":"Fat",
                "valuePerServing":null,
                "valuePerUsed":null
        },
        {
```

```
                    "type":13,
                    "value":3.67,
                    "unitType":1,
                    "name":"Protein",
                    "valuePerServing":null,
                    "valuePerUsed":null
            },
            {
                    "value":4.67,
                    "unitType":1
                    "name":"Salt",
                    "valuePerServing":null,
                    "valuePerUsed":null
            },
            {
                    "value":5.67,
                    "unitType":1,
                    "name":"Carbohydrate",
                    "valuePerServing":null,
                    "valuePerUsed":null
            }]
    }
```

2. GET /quisper/products?name={*string*}&pageSize={*integer*}&pageIndex={*integer*}

Endpoint returns a list of products that match given product name . Additional parameters *pageSize* and *pageIndex* are optional and provided in order to limit the returned data.

Sample response:
```
{
"products": [
        {
                "name": "Mug Shot Chicken Noodle Flavour Cup Soup 45g",
                "eanBarcode":"5050665019966",
                "perServingName":"(made up as per instructions) per sachet (215ml) (as consumed)",
                "perUsedName":null,
                "per100g":true,
                "nutritions":[
                {
                        "value":23.00,
                        "unitType":7,
                        "name":"Calories",
                        "valuePerServing":51.00,
                        "valuePerUsed":null
                },
                {
                        "value":0.10,
                        "unitType":1,
                        "name":"Total fat",
                        "valuePerServing":0.30,
                        "valuePerUsed":null
                }]
        },
        {
                "name": "Mug Shot Mediterranean Style Noodle Cup Soup 45g",
                "eanBarcode":"5050665019980",
                "perServingName":"(made up as per instructions) per sachet (215ml) (as consumed)",
                "perUsedName":null,
                "per100g":true,
                "nutritions": [
                {
                        "value":23.00,
                        "unitType":7
                        "name":"Calories",
```

```
                                    "valuePerServing":48.00,
                                    "valuePerUsed":null
                    },
                    {
                                    "value":0.10,
                                    "unitType":1,
                                    "productId":761,
                                    "name":"Total fat",
                                    "valuePerServing":0.20,
                                    "valuePerUsed":null
                    },
                    {
                                    "value":0.10,
                                    "unitType":1,
                                    "name":"Saturated fat",
                                    "valuePerServing":0.10,
                                    "valuePerUsed":null
                    },
                    {
                                    "value":4.50,
                                    "unitType":1,
                                    "name":"Carbohydrate",
                                    "valuePerServing":9.60,
                                    "valuePerUsed":null
                    }]
        }],
        "totalCount":2
}
```