Aginara Web Services - API

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1 Functions

```
HashMap <String marketName,Double distanceFromUser> superMAPket(String ip);
ArrayList  <MarketResults> smartList(ArrayList <String> marketNames);
TODO :
HashMap <String marketName,Double distanceFromUser> superMAPket(String ip,String address);

// to call threw ajax

HashMap <String productName,int id> findProduct(String substring);

Double getMinPrice(Product p); //looks for one product everywhere
Double getMinPrice(Product p,String location);//looks for one product in a certain location
Double getMinPrice(Product p,String marketNames); //looks for one product
//everywhere at marketName markets
Double getMinPrice(Product p,String marketName, String location);
Double getMaxPrice(Product p); //looks for one product everywhere
Double getMaxPrice(Product p,String location); looks for one product in a certain location
Double getMaxPrice(Product p,String marketNames); //looks for one product everywhere
//at marketName markets
Double getMaxPrice(Product p,String marketName, String location);
Double getAveragePrice(Product p); //looks for one product everywhere
Double getAveragePrice(Product p,String location); looks for one product in a certain location
Double getAveragePrice(Product p,String marketNames); //looks for one product everywhere
//at marketName markets
Double getAveragePrice(Product p,String marketName, String location);
```

2 Classes

```
public Market{
    private String marketName;
    private String address;
    private double latitude;
    private double longitude;
}

public Product{
    private int id;
    private String name;
    private double min,max,average;
}
```

```java
public MarketResults{
    private Market market;
    private ArrayList <String> products;
    private double distance;
    private int percentage;
    private int actualSum; //sum of prices of products
    private int projectedSum; //expected sum of products
}

public PriceLocation{
    private String marketName;
    private double price;
}
```