**Legend**

Expected filtering possibilities

**Category** - *Possible attribute (kind)*

**Root**

When I'm here I would like to filter products by price (because is common for all products in tree)

**Groceries** - *Price (decimal)*

I can filter products by price here

**Cars**

When i'm here i would like to filter products by year, mileage, price, not by fuel type (petrol / diesel) - because not all children categories include petrol types - Tesla does not.

**Opel** - *Year (integer)*
*Mileage (integer)*
*Price (decimal)*
*Petrol/Diesel (dictionary)*

When I'm here I would like to filter products by year, mileage, fuel type petrol/diesel (because Opel cars has it)

**Mercedes** - *the same attributes as for Opel*

When I'm here I would like to filter products by year, mileage, fuel type petrol/diesel (because Opel cars has it)

**Tesla** - *Year (integer)*
*Mileage (integer)*
*Price (decimal)*

I would like to filter products by year, mileage, not by fuel type petrol/diesel (because Tesla cars don't need it)

**Mobile Phones**

**Apple**

When I'm here i would like to filter products by Version / System / Price (because all categories inside does have that attributes)

**iPhone** - *Version (integer)*
*System (string)*
*Price (decimal)*