**Telerik Academy 2013 – 2014**

OOP Teamwork project

***Team Bloodstone***

“Warehouse product storing system”

**Team members:**

Николай Николов - nikolay.n

Стилиян Кънчев – stiliankanchev

Лъчезар Филипов – l\_filipov

Радостин Ангелов – Nelfurion

Sainbayar Battur – sainbayar.battu

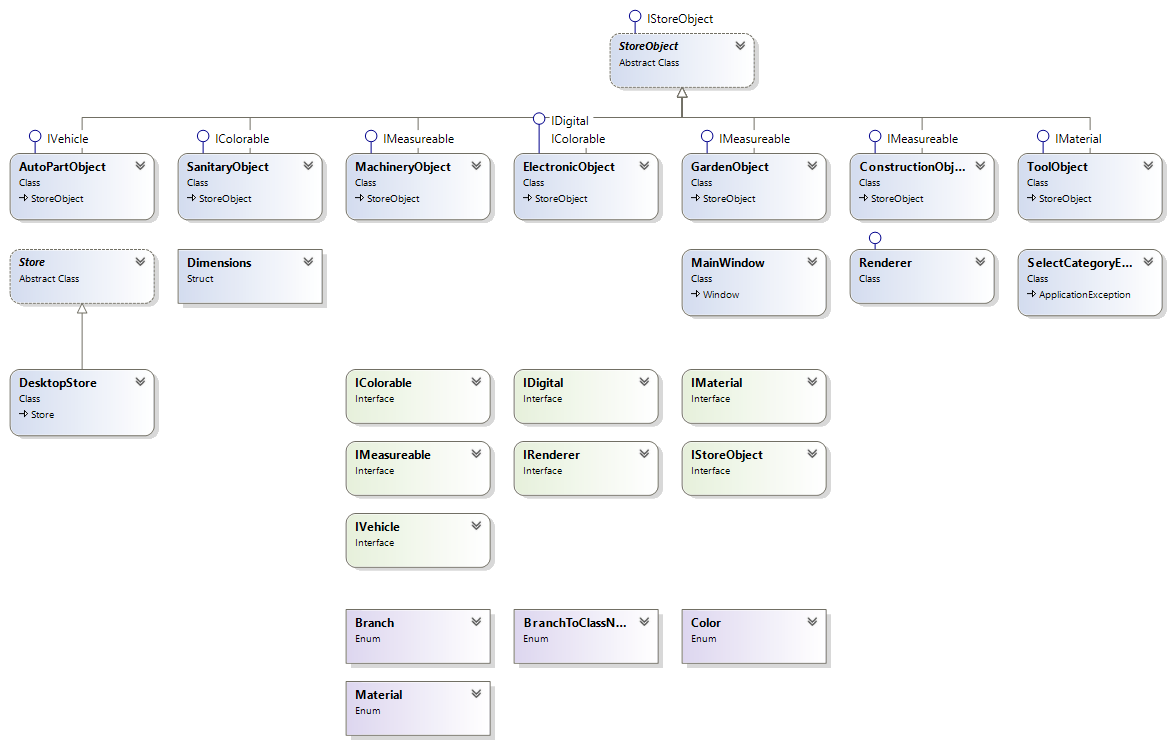
**Project repository in Google Code:**

<http://code.google.com/p/oopteamwork/>

**Project purpose:**

We have developed a simple program which helps organizing stocks in warehouses. It has the option to add products with definitions about them, price, catalogue number, quantity, size, color, manufacturer, model, description of the product, etc. They are categorized in different branches, and each branch have different specified product settings (electronic products have size of display option; tools have the material option, etc.). Products can also be exported, if they are in stock, if not they are still being available with their catalogue number.

The program gives you the option to check the products divided by their branch, or you can see all of them in a complete list. The data is saved in a text file.

**Class diagram:**

**Interfaces:**

* IColorable, IDigital, IMaterial, IMeasureable, IRenderer, IStoreObject, IVehicle (total 7)

**Classes:**

* Store, DesktopStore, StoreObject, App, MainWindow, Renderer, SelectCategoryException, AutoPartObject, ConstructionObject, SanitaryObject, ToolObject, MachineryObject, GardenObject, ElektronicObject (total 14)

**Enumerations:**

* Branch, BranchToClassName, Color, Material (total 4)

**Structures:**

* Dimensions (total 1)

**Used Design Patterns:**

* Factory
* Facade