Student company enterprise

Project
Internet Store
Name:”NoteShop”

Report
Analys of software requirements

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DESCRIBING SUBJECT ENVIROMENT

Theme of project : “Internet store”.
Name of project : “TechShop”

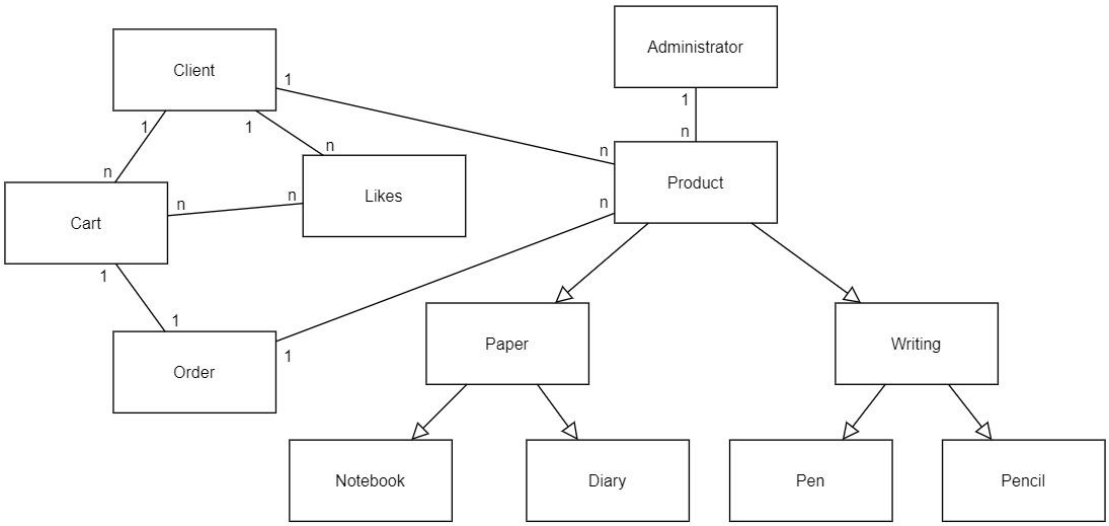
The subject environment of this project is store where customers can buy office products: notebooks, diaries, pens and pencils.

GOALS AND OBJECTIVES OF THE PROJECT

Goals of development is:
1) Easier buying chancellery
2) Comfortable shopping

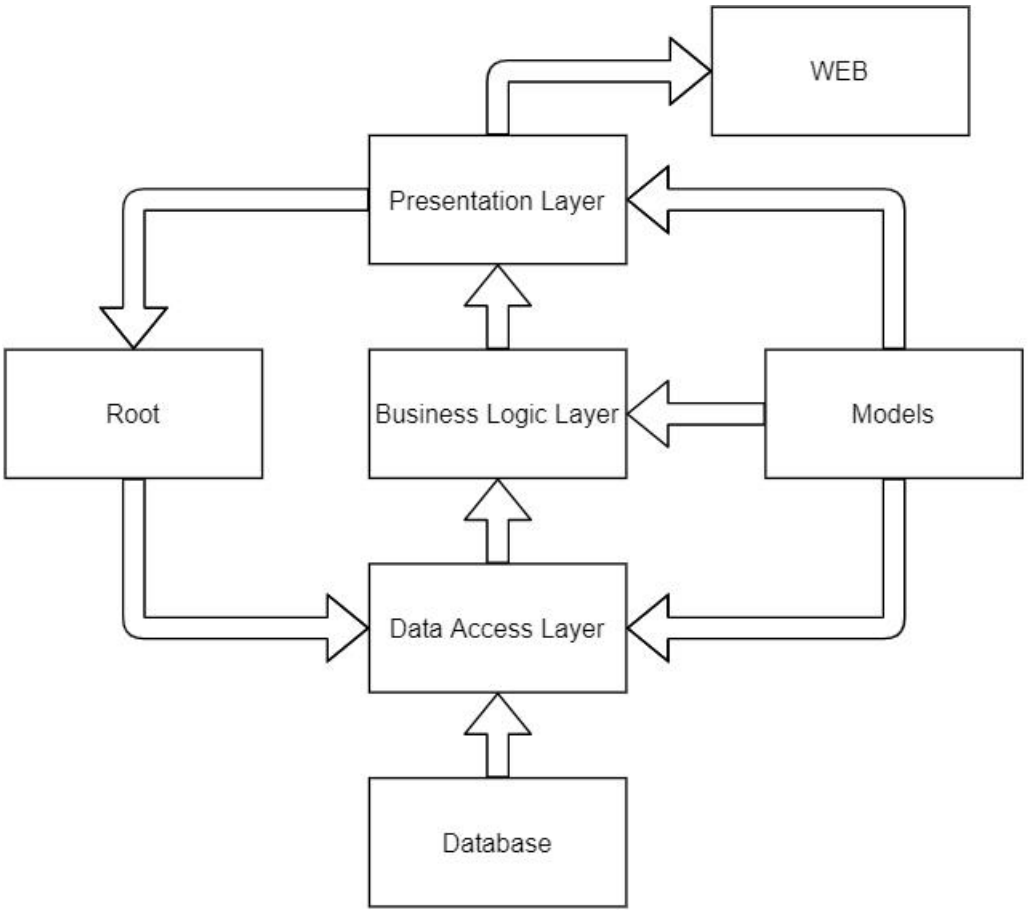
To achieve these goals it is necessary to solve the following tasks:
1) Develop project architecture
2) Develop easy and comfort design
3) Getting initial product data

ENTITIES AND RELATIONSHIP



Scheme 1

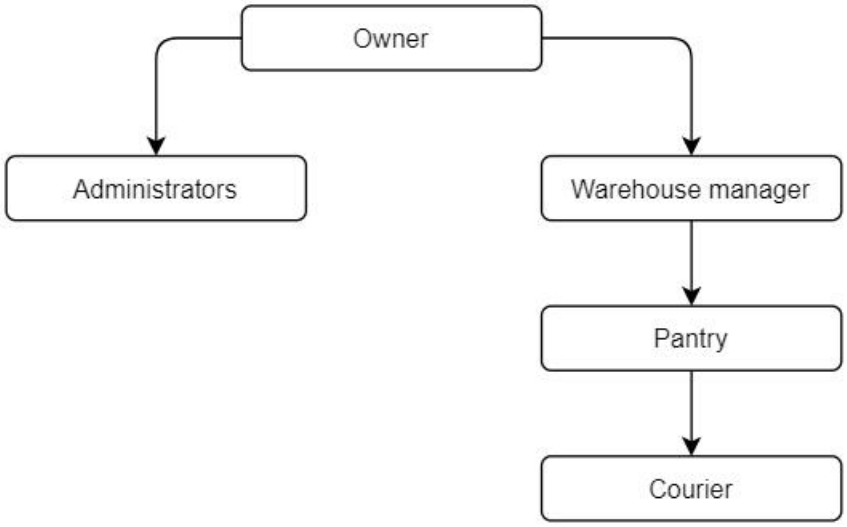
TYPE AND STRUCTURE OF PROJECT



Scheme 2

The main part of architecture of this project is n-layer architecture. It`s WEB application which based on WEB API on ASP.NET Core. This site will be cross platform application. Database will base on Microsoft SQL Server.

STRUCTURE OF ORGANIZATION



Scheme 3

This system will be maximum automatized. Administrator add and update new products and processing feedback customers. After that admin send results to owner. When client made order, message will send to warehouse manager, and, after that, manager tell pantry about order. Pantry will should find and collect order and transfer this to courier. Finally, courier will should deliver order to client.

STAKEHOLDERS

Responsible
Accountable
Consulted
Informed

RASI matrix

	Owner	Admin	Warehouse manager	Client
Adding info about products	AC	R	C	I
Updating news about product	AC	R	I	I
Making order	-	I	AC	R
Processing order	-	I	AC	I
Writing feedback	I	AC	-	R
Processing feedback	AC	C	-	-

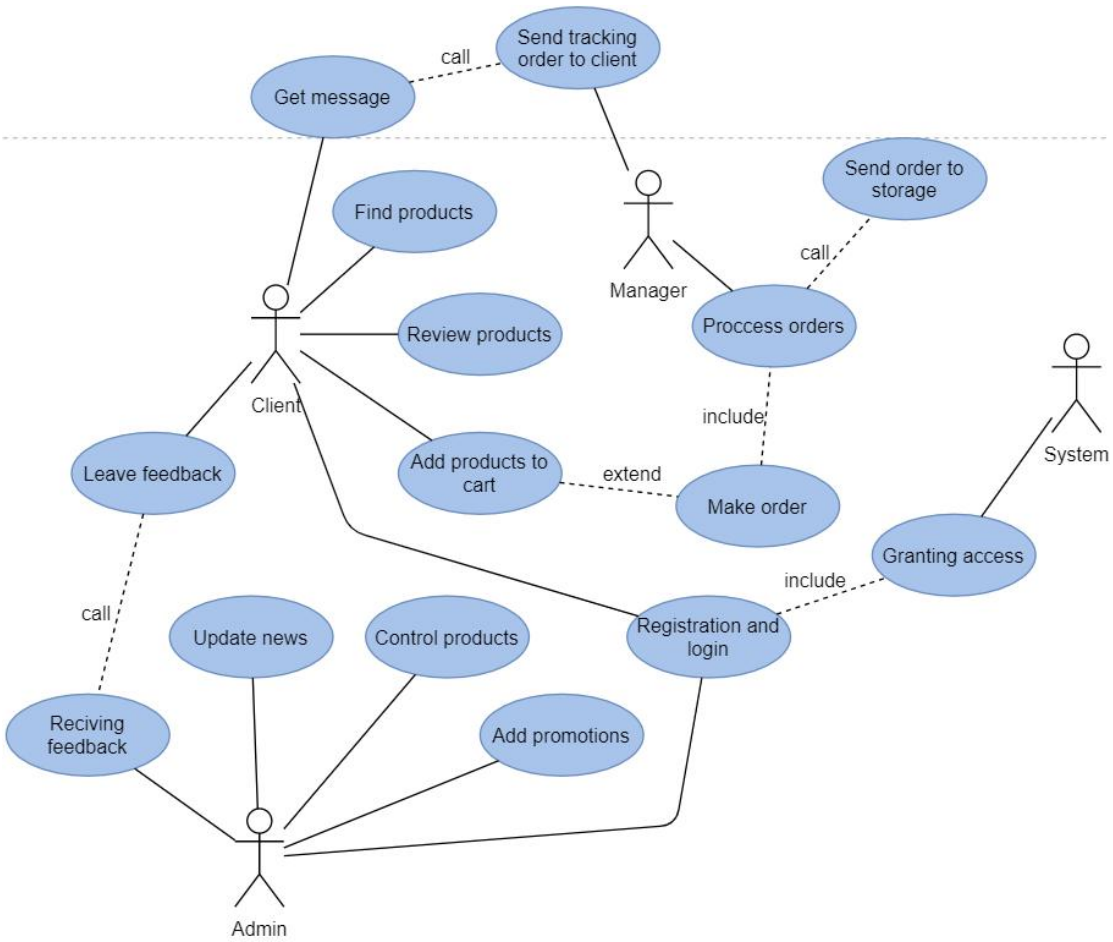
FUNCTIONAL MODEL

Actor	Using variant	Functional requirement	Priority
Client	View products	System gives client products list	High
	Choosing products	System gives client add products to cart and likes products	High
	Make order	System gives client form which client will should write	High
	Choosing product filters	System gives client parameters for reduce the search range	High
	Getting message	After sending order, warehouse manager will send message about state order	High
	Registration and authorization	System gives client access for personal account, which helped client to making order and will pick up better product	Medium
	Write feedback	System gives client write feedback which will send to admin	High
Admin	Adding new products	System gives admin add new product in list	High
	Updating info	System gives admin update info about products	High
	Processing feedback	After sending feedback, admin will process that and tell owner about bad and good sides of this service	High
	Registration and authorization	System gives admin access for personal account	High
Warehouse manager	Registration and authorization	System gives manager access for personal account	High
	Processing orders	System gives manager list of orders and manager will should send list to pantry	High

	Sending a tracking order	After complete order manager will send client message with tracking his order	High
	Updating products count	System gives manager updating product counts	High

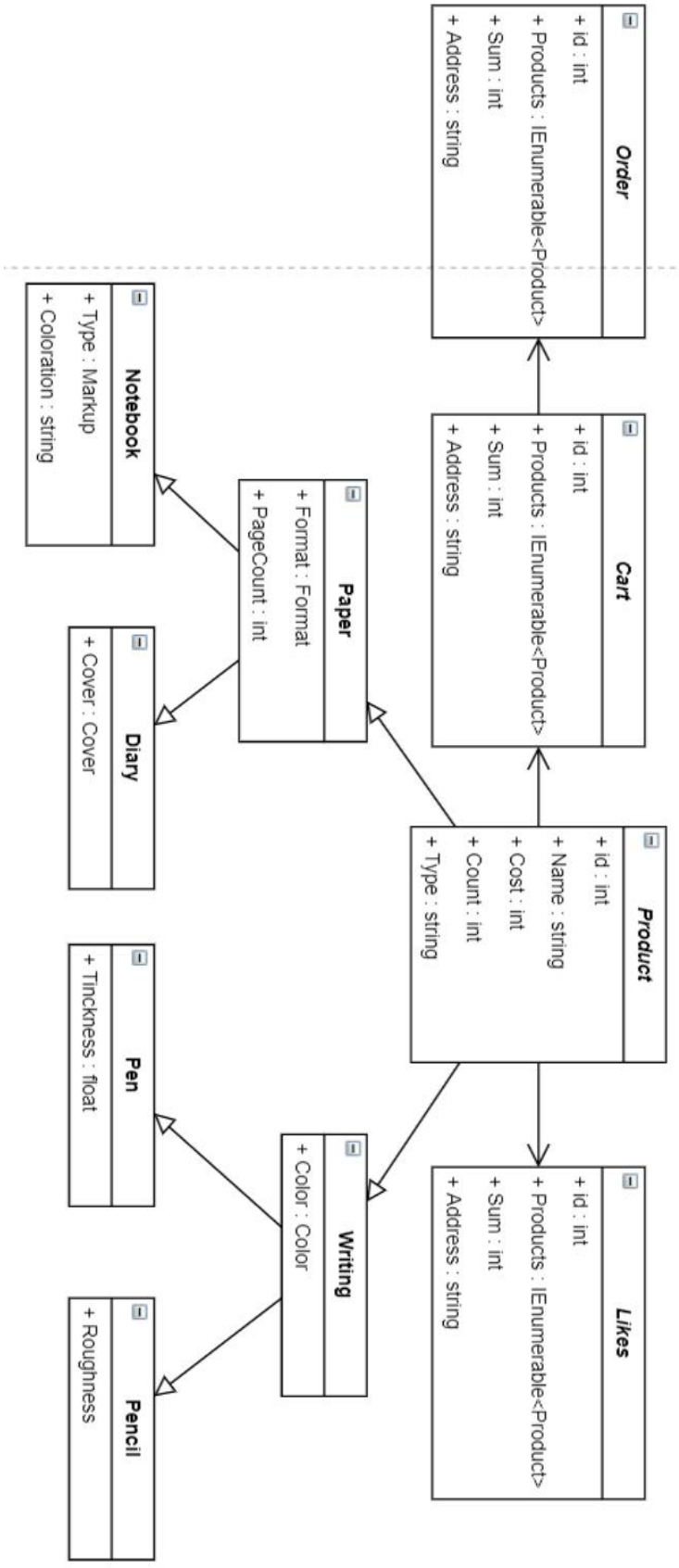
Table 1

Model of using variant



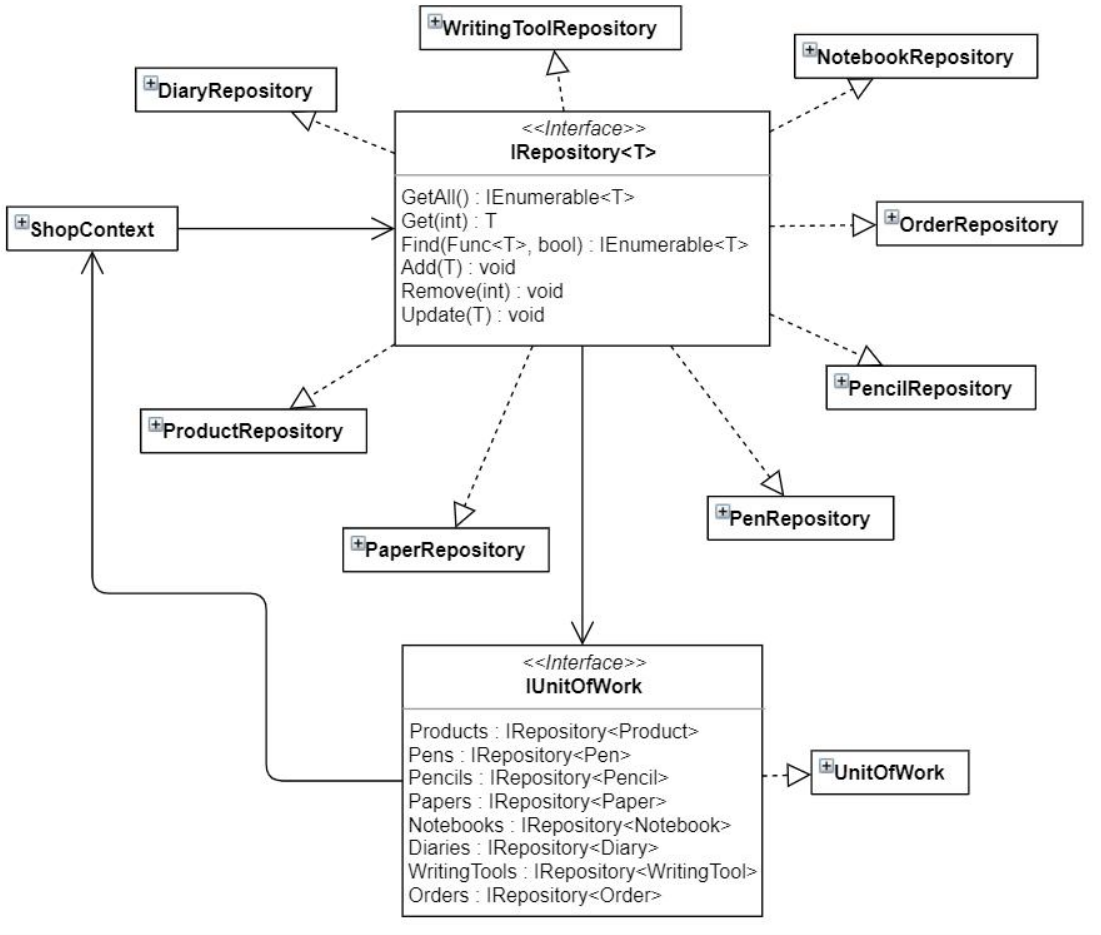
Scheme 4

MODELS



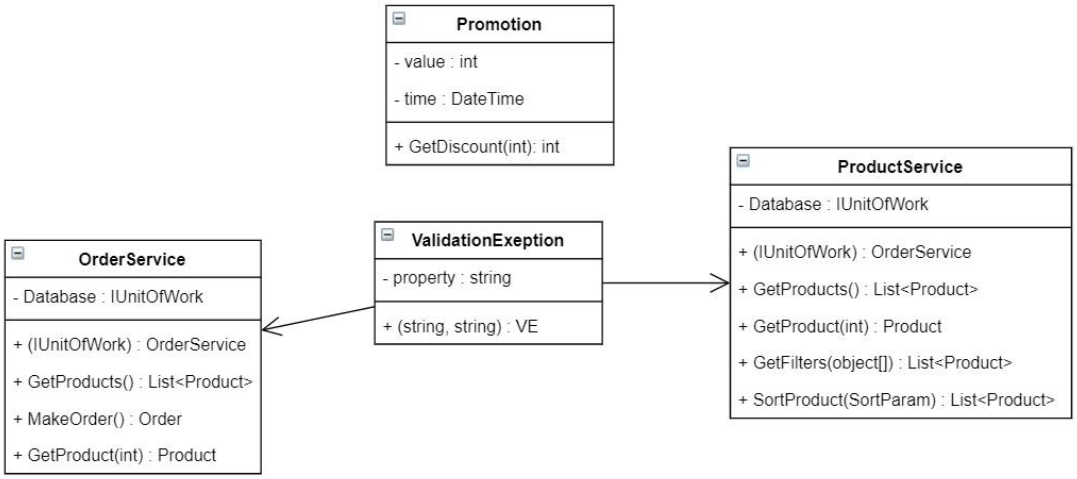
Scheme 5

DATA ACCESS LAYER



Scheme 6

BUSSINESS LOGIC LAYER



Scheme 7

DESIGN

On file NoteShop(Design).pdf