UNIVERSIDAD DE LAS FUERZAS ARMADAS

Object-oriented programming

Name team: "Proyecto x"

Topic the team: Control of military weapons in warehouses

Lider team: Alexander Ruano

Group members:
-Alexander Ruano
-Javier Paucar
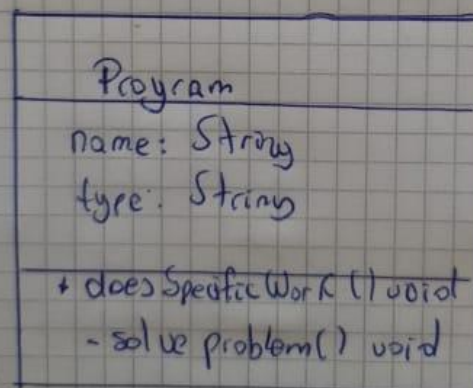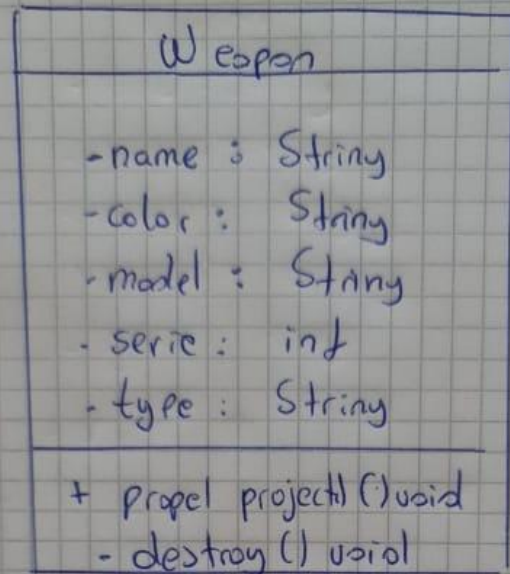-Leandro Quinga
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1.-List Objects:

Objects:

- Weapon
- Program
- Warehouse
- Hand
- Explosive
- Security
- System
- War material
- Time
- Ammunition
- Border
- Logistic
- Control
- Antecedent
- Code
- camouflage

3-Model the objects:

weapon and program

```
|            Weapon                    |
|--------------------------------------|
|   -name  :  String                   |
|   -color :    String                 |
|   -model :  String                   |
|   -serie :    int                    |
|   -type :   String                   |
|--------------------------------------|
|   +  propel project() ()void         |
|   - destroy () void                  |
```

```
|            Program                   |
|--------------------------------------|
|   name: String                       |
|   type: String                       |
|--------------------------------------|
|   + does Specific Work () void       |
|   - solve problem() void             |
```

Explosive

Explosive

Sort : String
name : String
amount : int

+ doExploted() : void
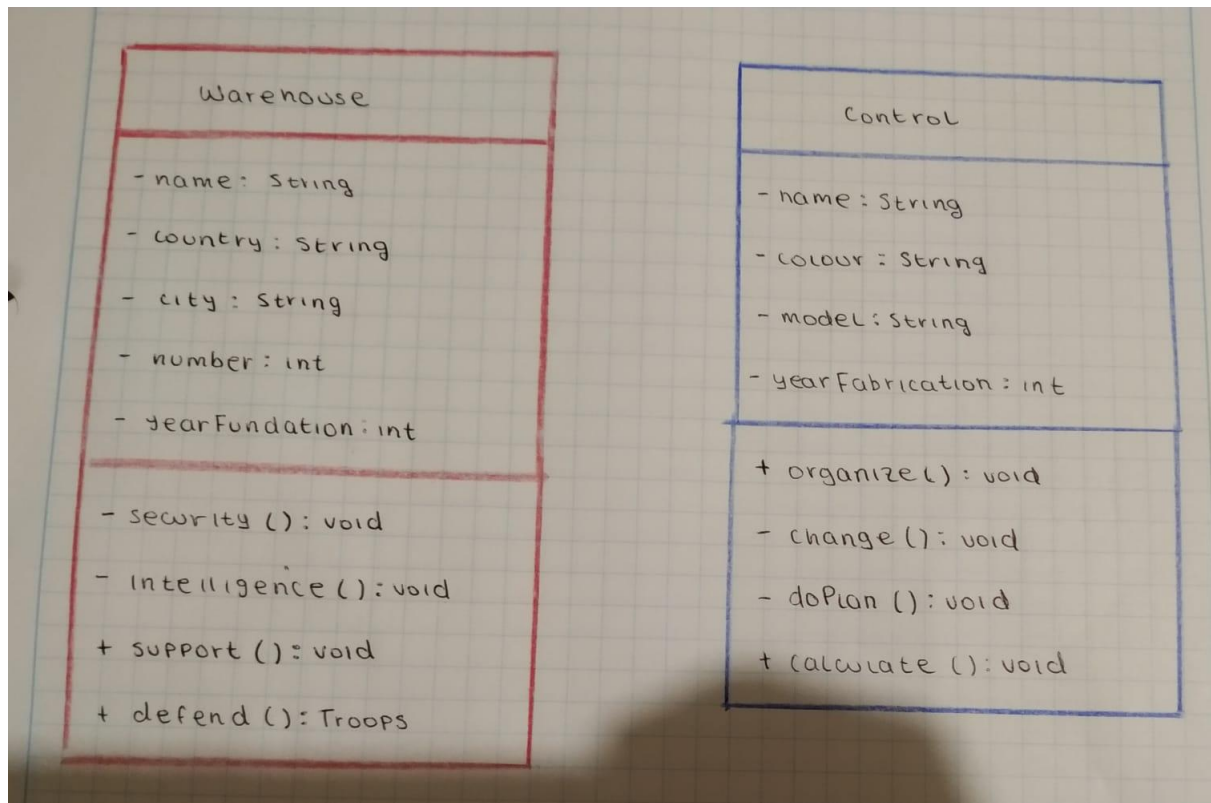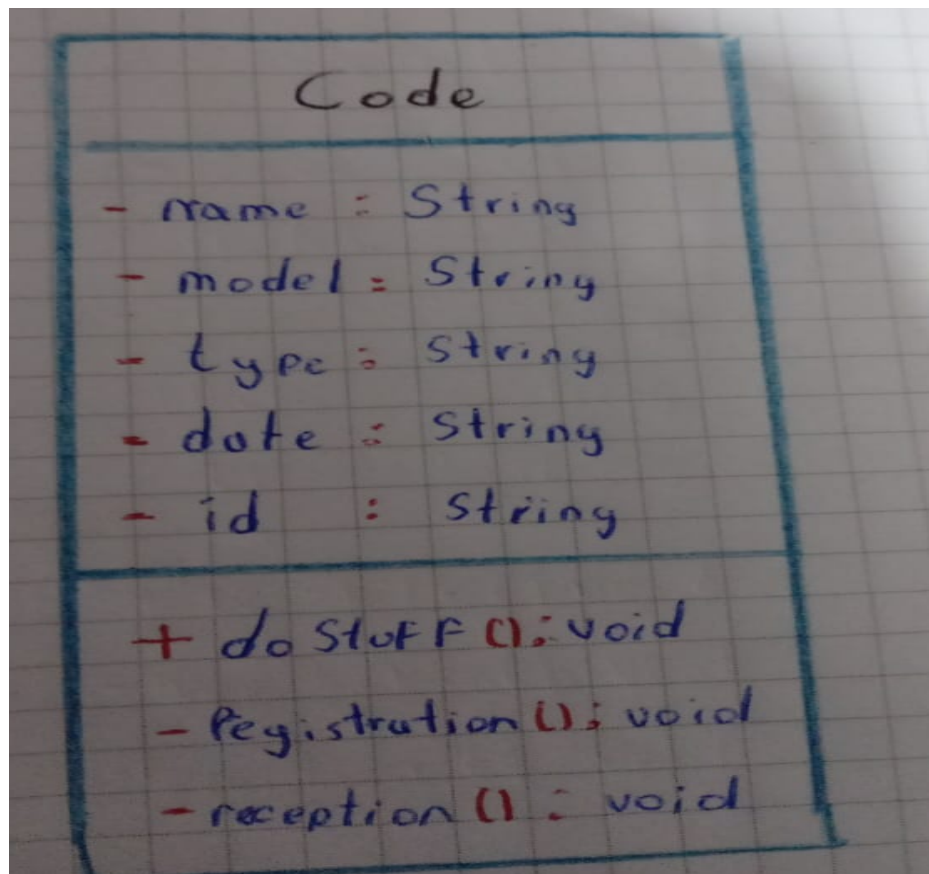- detonate () : void

System

System

Sort : String
name : String
id : String

+ store() : void
- reception () : void
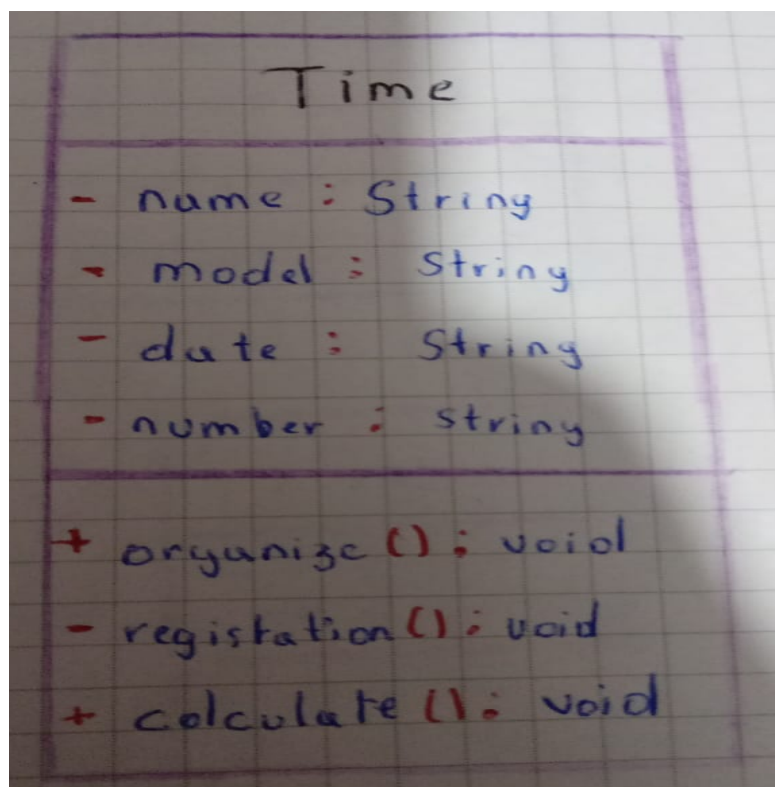- registration() : void
- storage () : void
- dispatch () : void

warehouse and control

Warehouse
- name: String
- country: String
- city: String
- number: int
- yearFundation: int
- security(): void
- Intelligence(): void
+ support(): void
+ defend(): Troops

Control
- name: String
- colour: String
- model: String
- yearFabrication: int
+ organize(): void
- change(): void
- doPlan(): void
+ calculate(): void

code

Code

- name : String
- model : String
- type : String
- date : String
- id : String

+ do Stuff () : void
- registration () : void
- reception () : void

Time

Time

- name : String
- model : String
- date : String
- number : String

+ organize () : void
- registation () : void
+ calculate () : void

war material and ammunition

War Material

- name = String
- color = String
- model = String

+ save (): void
+ delete(): void
+ organize(): void
+ use (): void

Ammunition

- name: String
- tipe: String
- amount: int

+ save (): void
+ delete(): void
+ organize(): void
+ use(): void