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Pokedex Report

I) Introduction

The project podekex is a java swing project. The goal is to remake a pokedex by using the swing library in java. We have to find a correct structure for this application and a way to make it correctly run.

The java version was java SE-12.

Unlucky my own computer dont work since 2 months, but my company finaly lend it one to me.

The developpment environmment was in first on the computer of the university on eclipse and after on my new computer. There were severals configurations problems with « imports » on this new computer and i started in first on Eclipse then on IntelliJ.

The application worked perfectly on the university's computer but not on my own computer. So there is migh some problems

II) The structure

This project use a MVC pattern. We have one package for the view, one for the controller and one other for the object classes.

Objects classes :

- Card
- Energy
- Pokemon
- Trainer
- Deck
- Attack

The energy, pokeon and trainer classes inherit from the Card class.
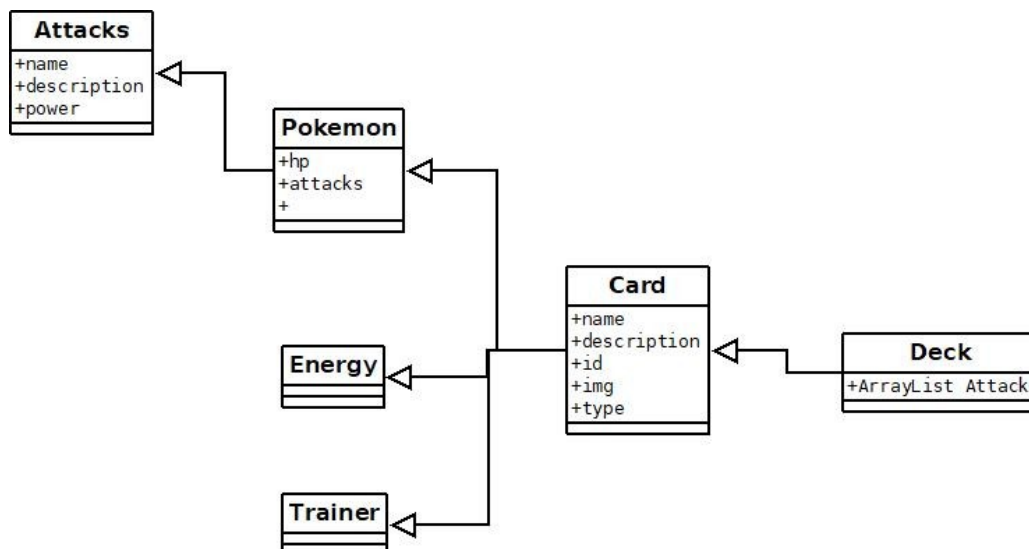
Each card have a id, a name, a description, an image and a type.

The Trainer and Energy classe doesn't have more attributes

The Pokemon classe have healts points and a list of attack

An Attack have a name, a description and a power

The Deck is just a list of Cards

Controller classes :
- ListenerController
- AddCardController
- EditCardController
- SeeCardsController

In first i wanted to make only on CardController but it's probably better to divide each controller by view

The ListenerController is here to naviguate with the MainMenu

Every Controller have a method

```
@Override
public void actionPerformed(ActionEvent e){}
```

This method will detect the action in the view and execute a code

View classes :
- AddCard
- EditCard
- Home
- MainMenu
- SearchCard

Each view is linked to a controller and he controller will use a model to interact.

Conclusion :

Because of my problems expressed in the introduction, i was late. I needed to recheck the class, tutorial etc. But to be honest, I could have done it right anyway, once we understand how swing is articulated it's not so hard to use it.

This project is clearly upgradable. A lot of basics functions like the search are not included. We could imagine that just by a regex in the json we could do it