

# Pokedex – Lite

After consulting with the Pokemon community, Certant detected an increasing amount of Pokemon trainer who lack the proper access to all the knowledge we have on all the Pokemon around the world. In order to change this alarming situation, Certant has offered to build the core of a light version of the well-known Pokedex, which will be used in multiple front-ends across the world.

As the main developer in this core project, it's your job to create a Java application taking in consideration the following requirements:

- The program must be able to list all the Pokemons in the Database for a specific user. For each Pokemon, you must inform:
  - o Name
  - o Type/s
  - o Level on which the Pokemon is found.
- The program must be able to list the 2 most important aspects of a specific Pokemon: "Abilities" and "Evolutions". For every possible evolution, you must inform:
  - o Name
  - o Type/s
  - o Level on which the Pokemon evolves to that evolution.
- The program must be able to add a newly found Pokemon to the Global Database.
- The program must be able to edit a Pokemon's information (Name, add or remove a Type, add a new Evolution)

Now, to test this program, Certant will be expecting a set of JUnit test that must run without problems and prove that:

- All Pokemons on the Database are listed
- Given a specific Pokemon's name, its Name, Type/s and Level are retrieved from the Database
- Given a specific Pokemon's name, its Abilities and Evolutions are retrieved from the Database.
- Given a specific Pokemon's name, all its Evolutions and their information (Name, Type/s and Level) are retrieved from the Database.
- A new Pokemon can be added (and later retrieved) to the Database.
- A known Pokemon's information (Name, Type/s or Level) can be updated in the Database.

To have a set of Pokemons to play with in each test, a Database of no less than 10 Pokemons must be created.

Some guidelines:

- There's no preferred interface with the System: a command line interface is fine.
- There is no preferred method of storage, If you feel comfortable using a database, go ahead. If you would rather store the information in a text file, you can do so too.