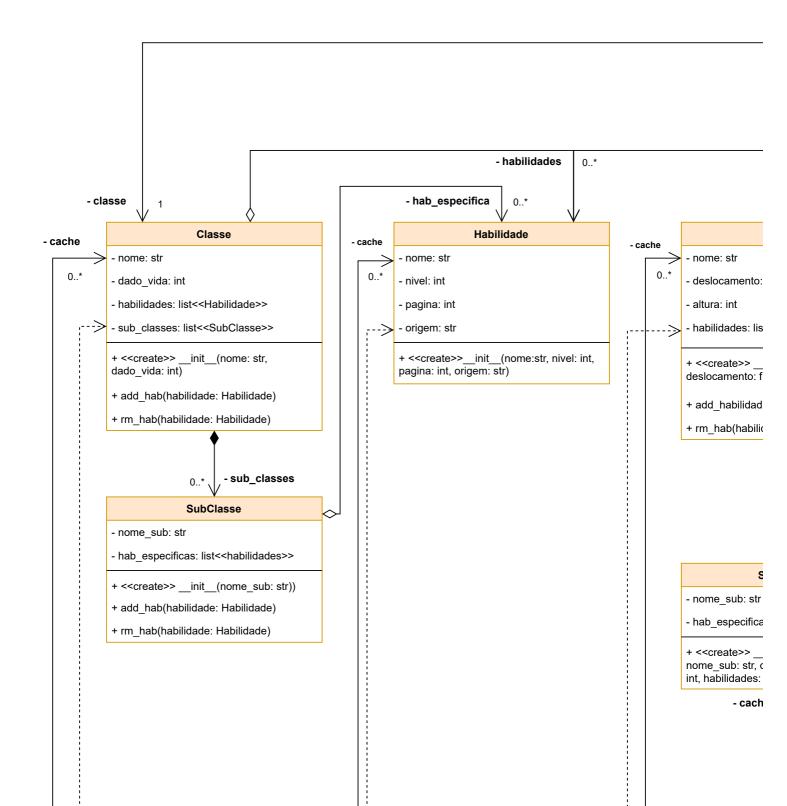
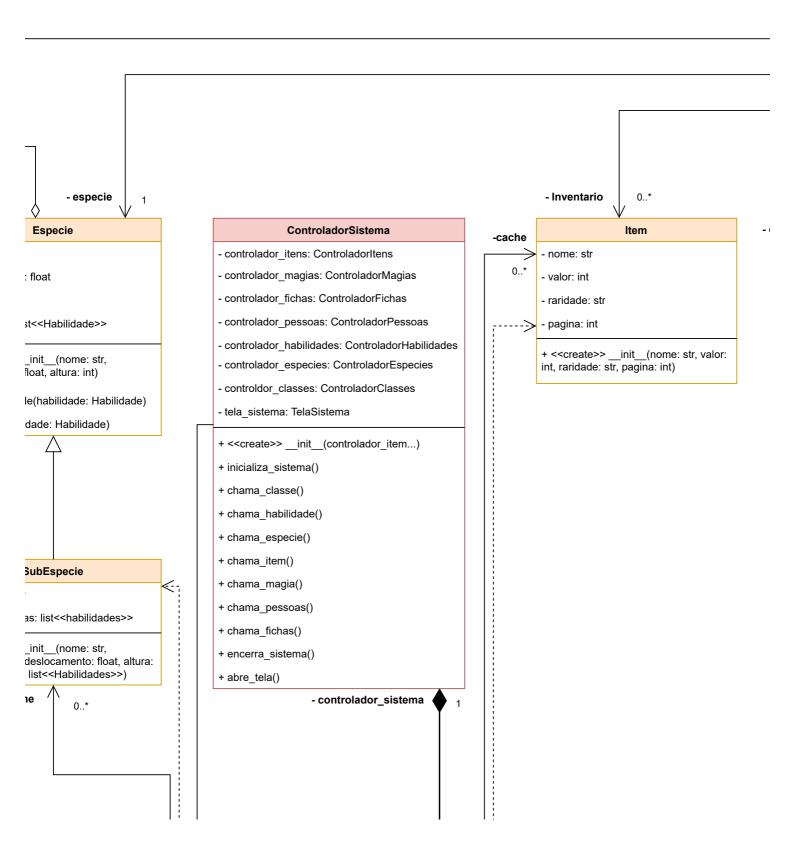
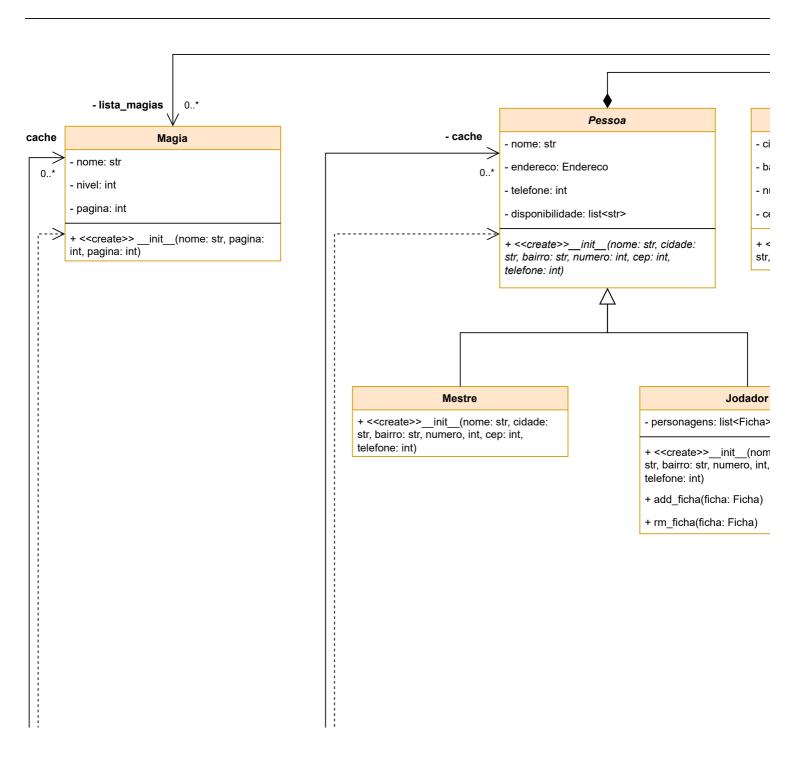
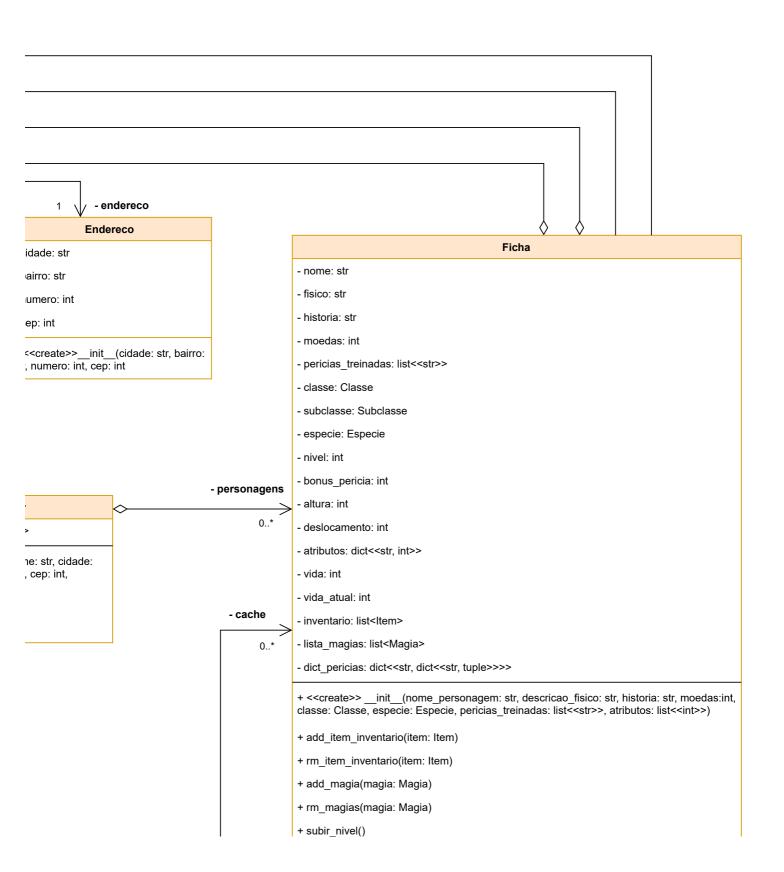
## DAO

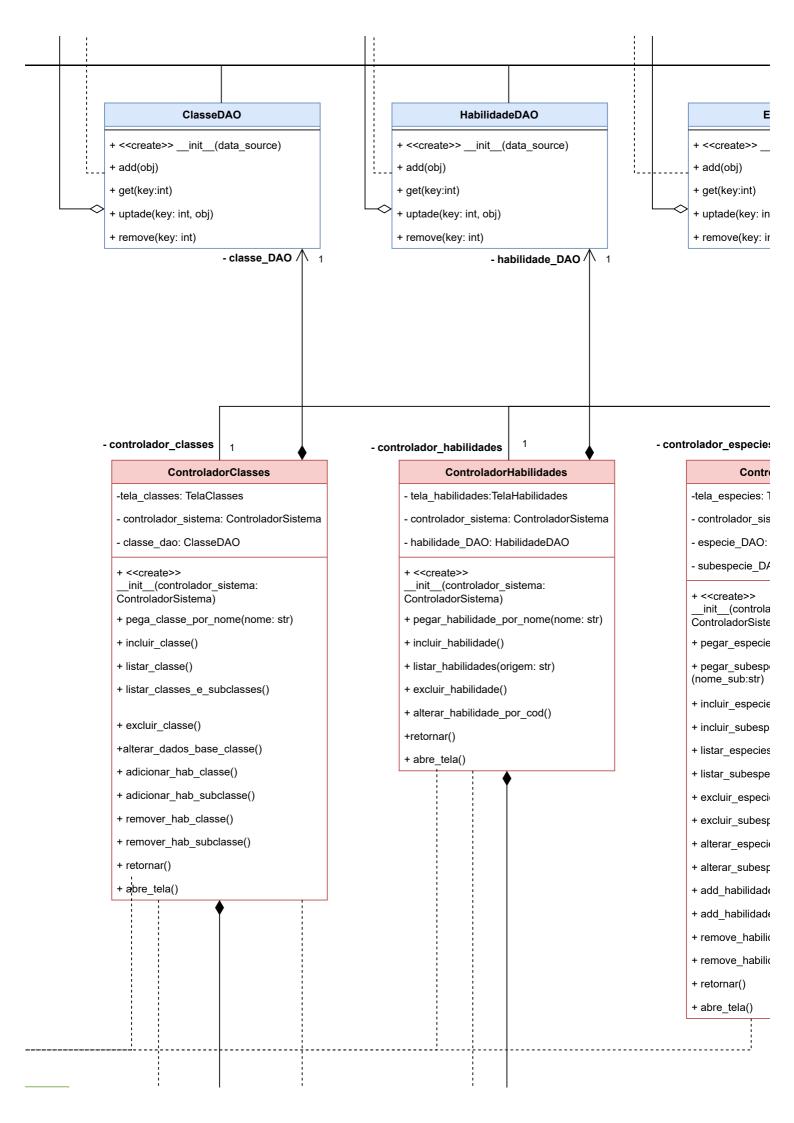
- data\_source: str
- cache: dict
- + <<create>> \_\_init\_\_(data\_source)
- dump()
- load()
- + add(obj)
- + get(key:int)
- + uptade(key: int, obj)
- + remove(key: int)
- + get\_all()
- + get\_keys()

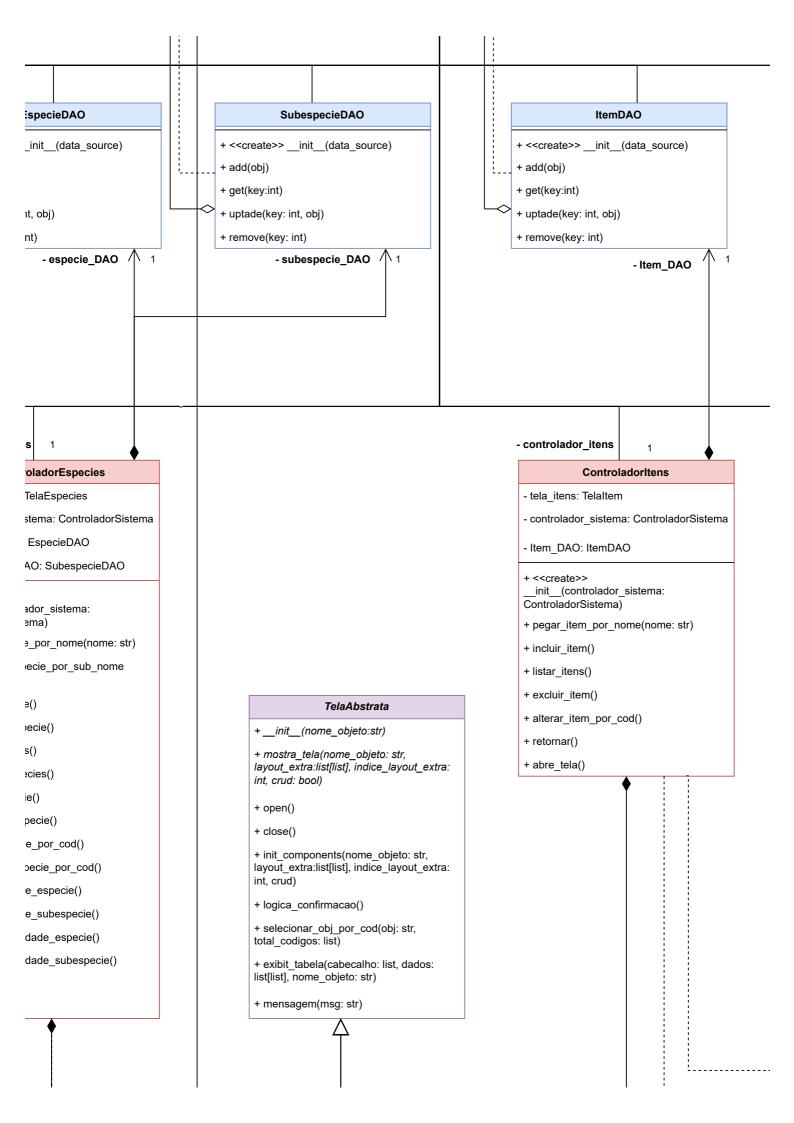


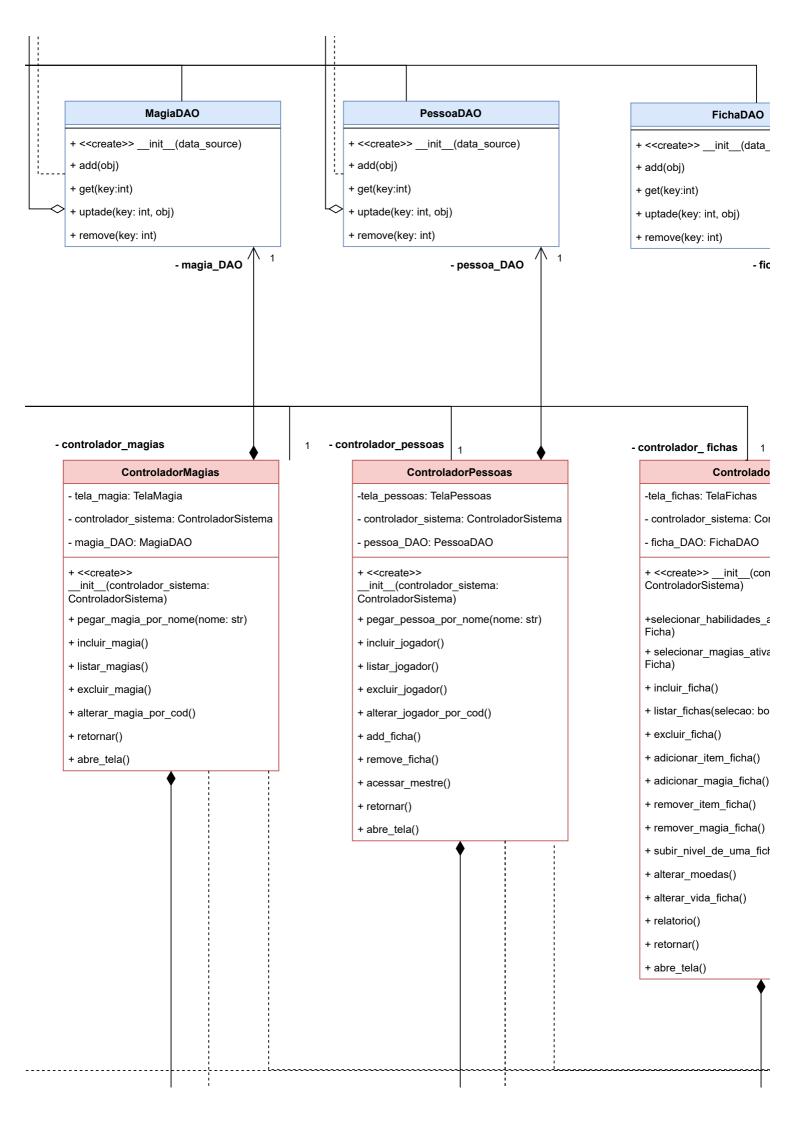


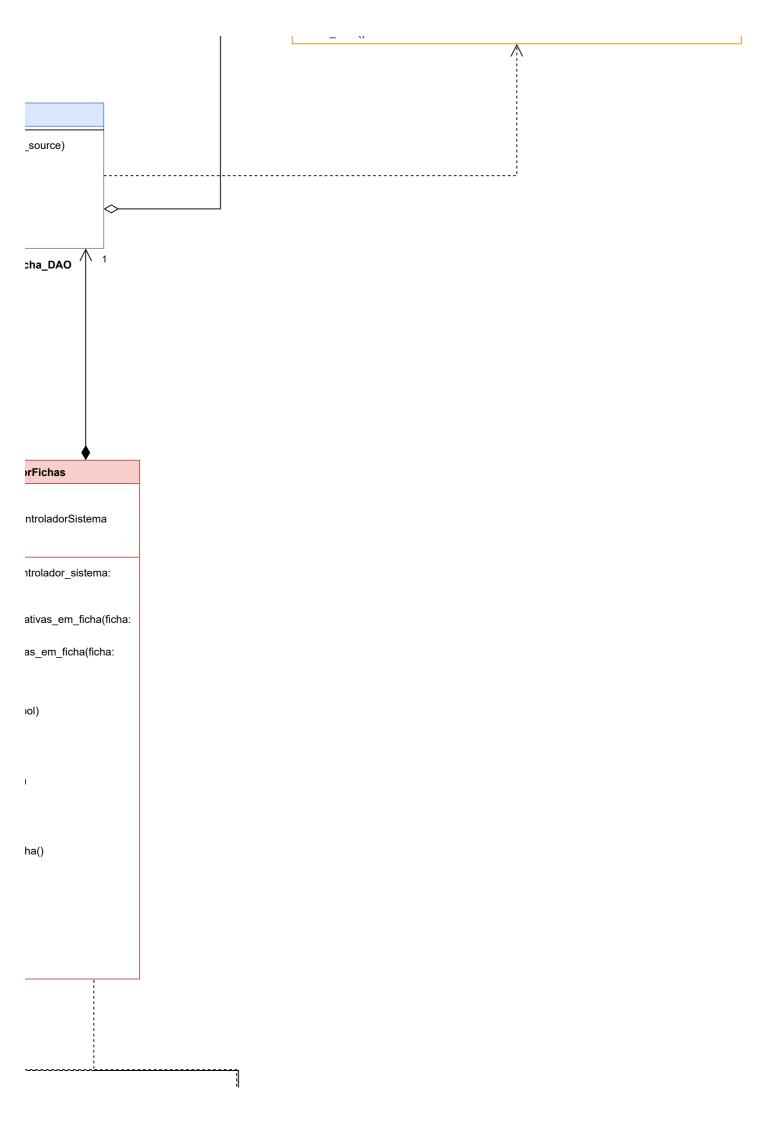


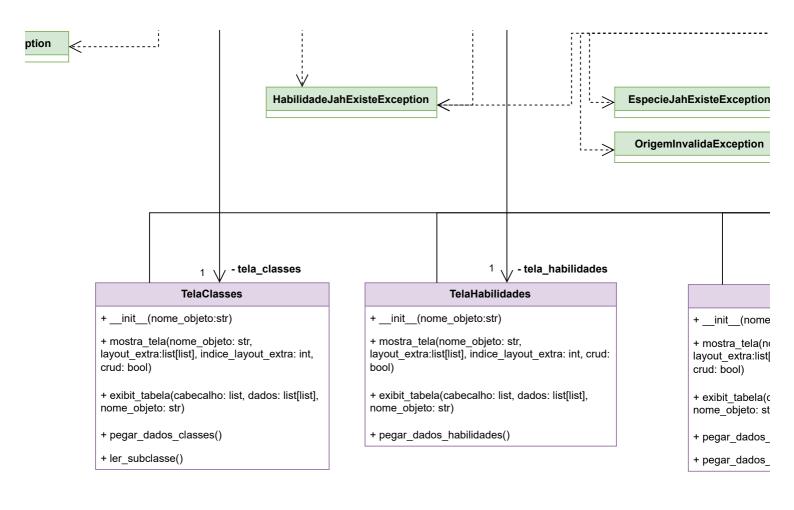


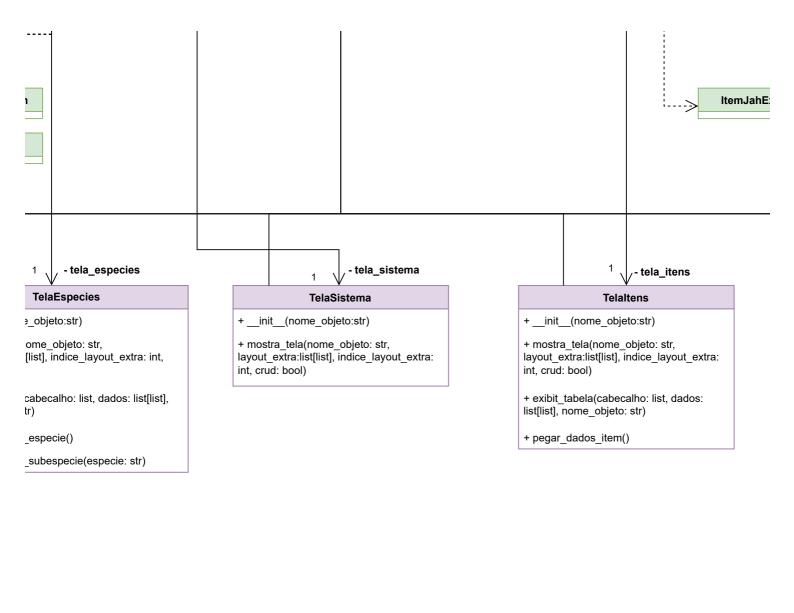


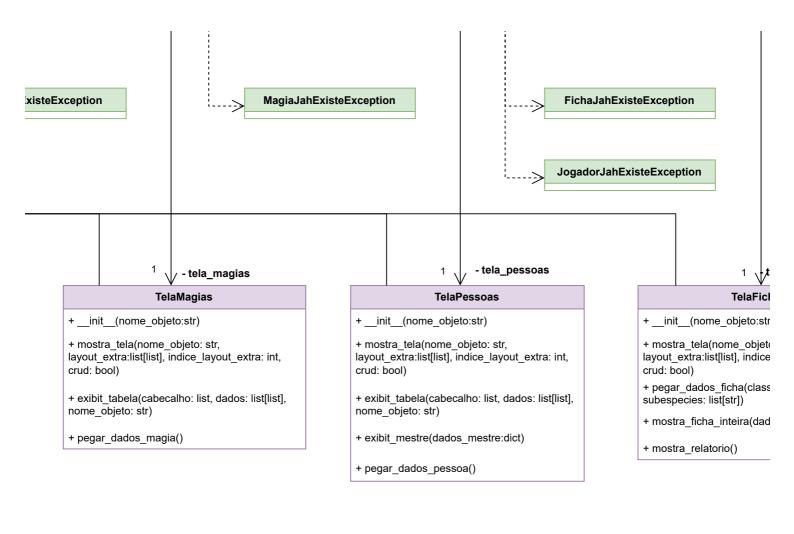












## tela\_fichas

## has

r)

o: str,
a\_layout\_extra: int,

ses: list[str],

los\_ficha:dict)