

Dependency_injection

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1 Dependency injection

Many people make the mistake of hardcoding dependencies in functions and classes. This creates a hard coupling between your class and the object it depends on.

This results in code with long dependency chains with object creation deep in the chains.

It is much better to create the object you depend on outside the scope of the class/function and inject it as an argument to the class/function.

This makes it easier to modify your own object, and it concentrates the creation of objects to the earlier part of your program execution.

1.0.1 Hard coded dependency

```
[1]: class Person:

    def __init__():
        self.db = DB()

gunnar = Person()
```

1.0.2 Dependency injection

```
[ ]: class Person:

    def __init__(db):
        self.db = db

db = DB()
gunnar = Person(db)
```