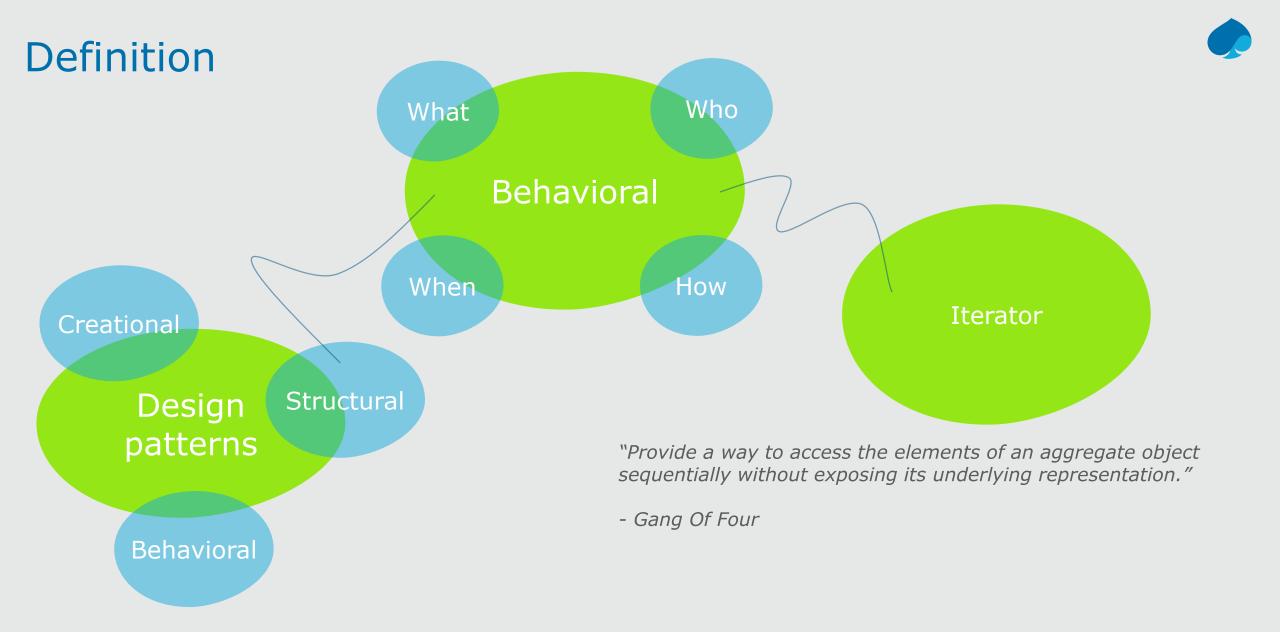
Design Patterns for Lunch **Iterator Pattern** Jamie Kalloe 03-11-2020 Capgemini

Introduction





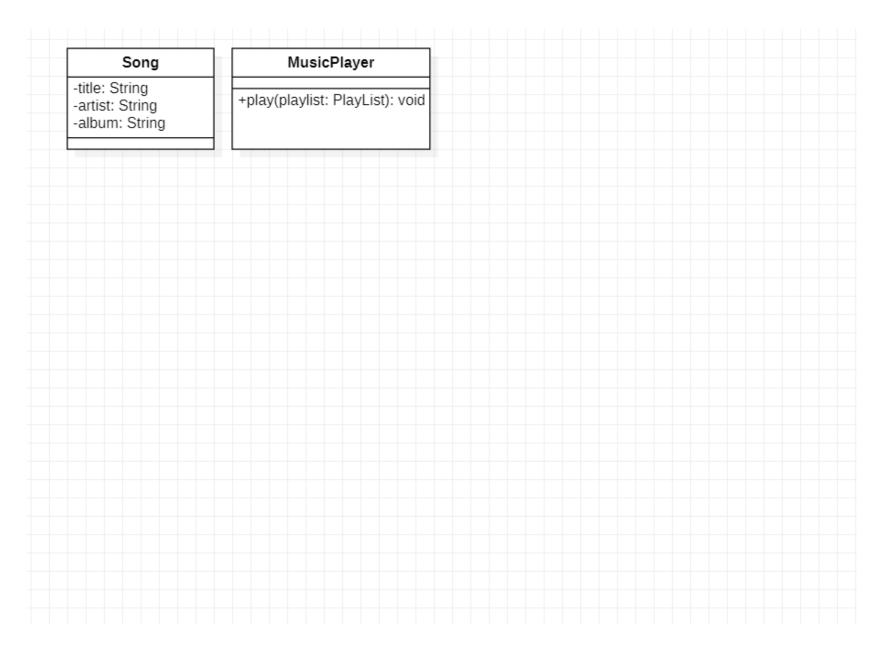
- 26 years old
- Studied Software Engineering
- Assigned at UWV Werkbedrijf, responsible for various backend applications such as werk.nl.
- Hang out with friends, kung fu, playing guitar and sushi



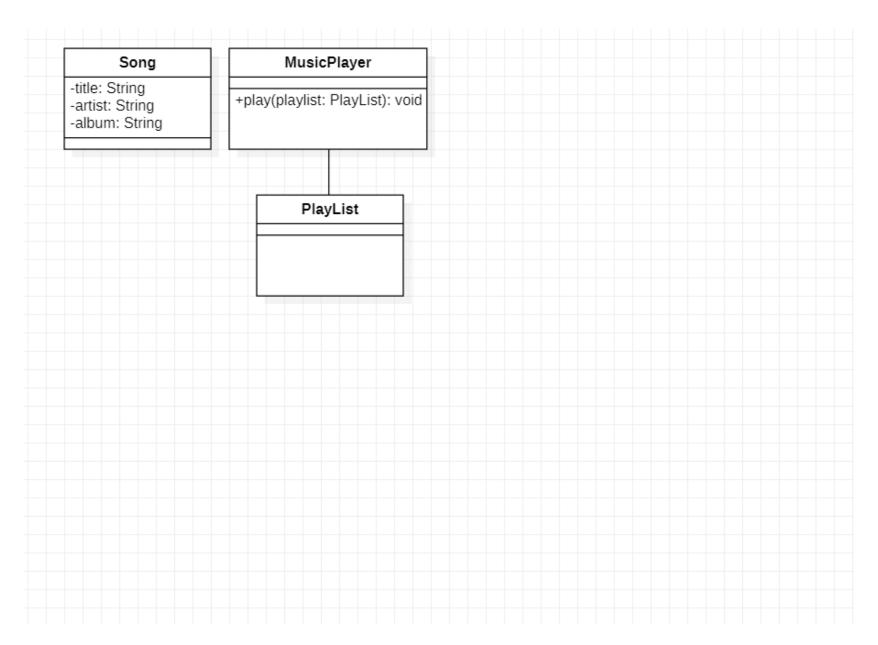




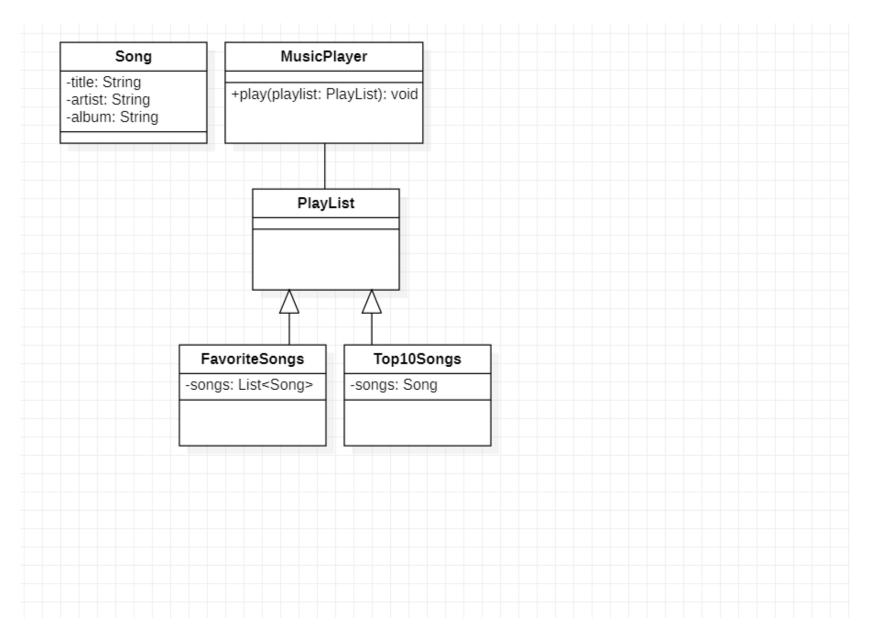




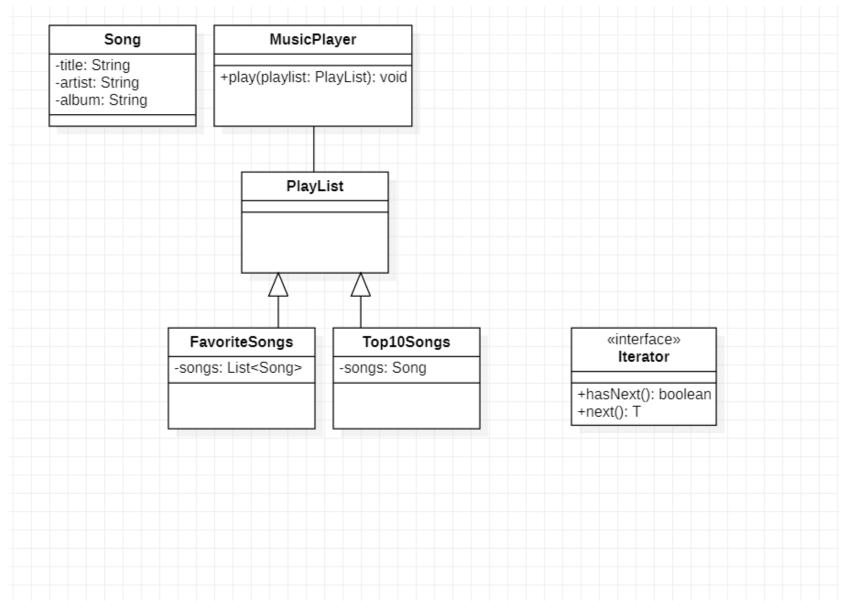




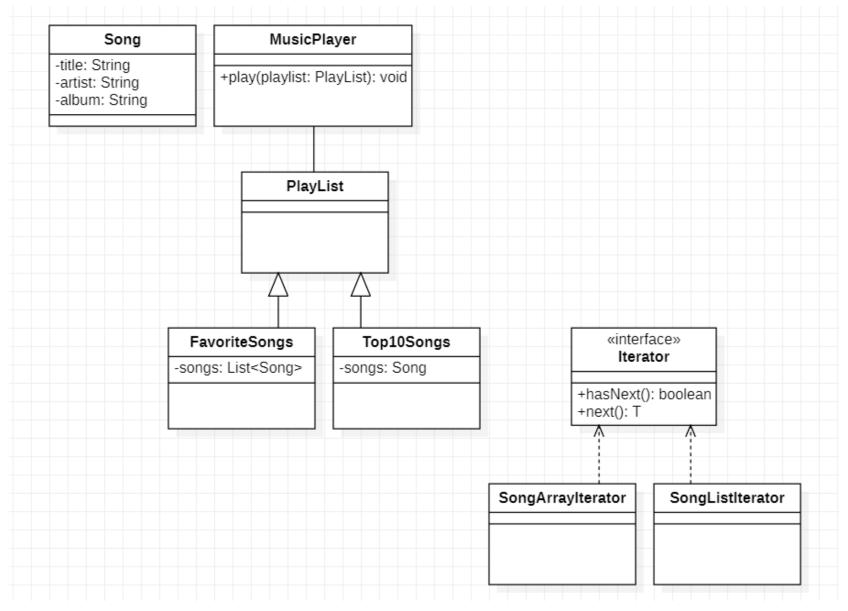




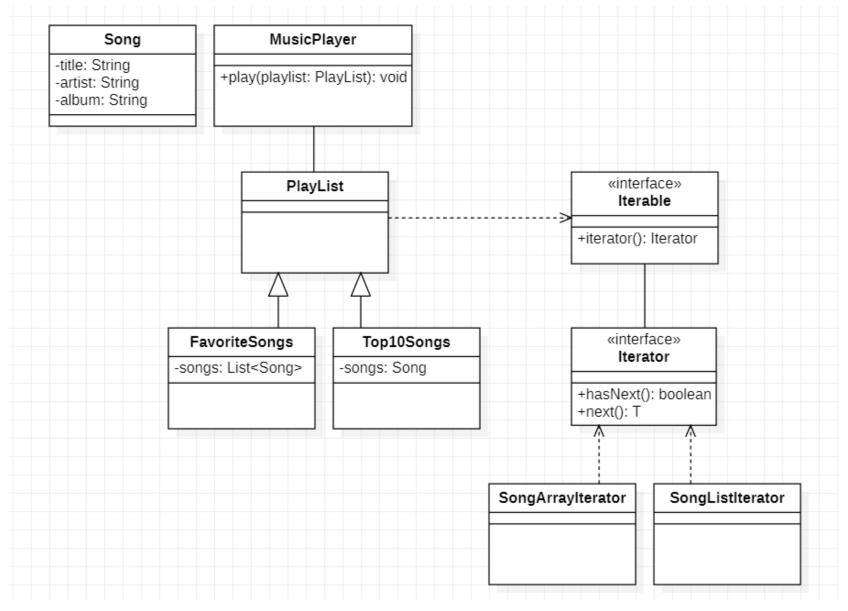






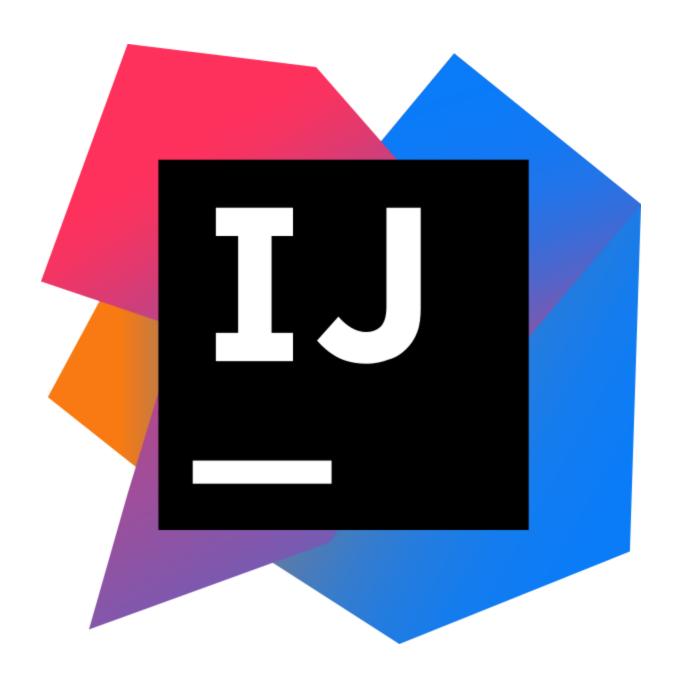






Code demo







```
for(int i = 0; l | liv..size(); i++) {
    Object object | (ist.get(i);
}

Array

for(int i = 0; l | arr.y.length; i++) {
    Object object | array[i];
}
```

Universal accessor

```
Iterator<Song> songsIterator = playList.iterator();
while (songsIterator.hasNext()) {
    Song song = songsIterator.next();
    System.out.println(song.toString());
}
```



Design principles

Loose coupling Little or no knowledge of the definitions of other separate components

Program to an interface, not an implementation Use of polymorphism.

Open-closed principle We add code, without having to change existing code.



Resources

Github

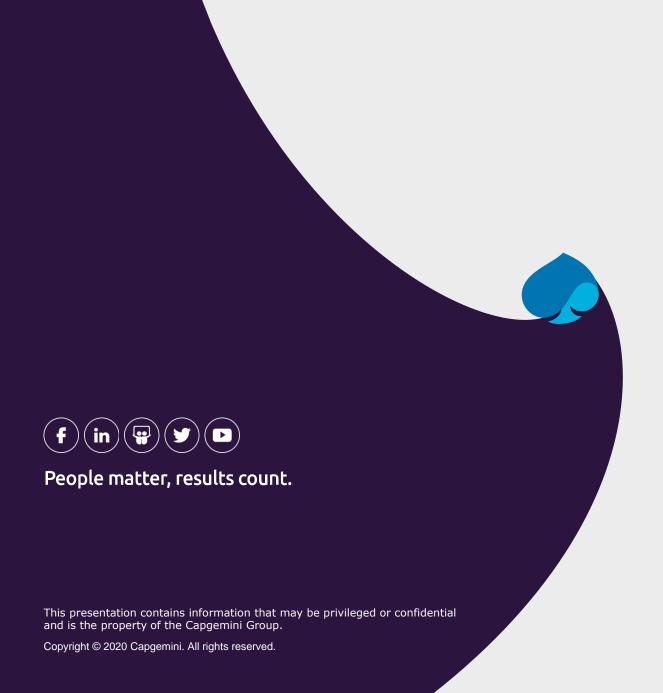
http://github.com/JamieKalloe/Iterator-pattern

Head First – Design Patterns

https://www.bol.com/nl/f/head-first-designpatterns/34499843/

YouTube

https://www.youtube.com/watch?v=VKIzUuMdmag



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