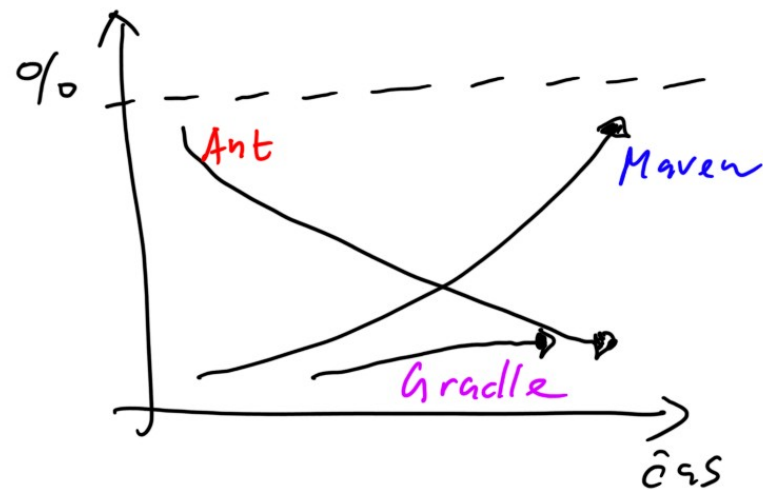
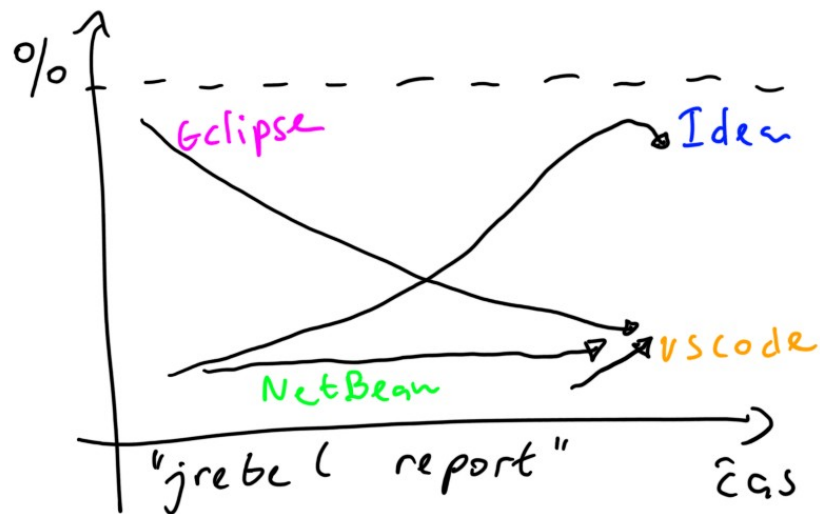
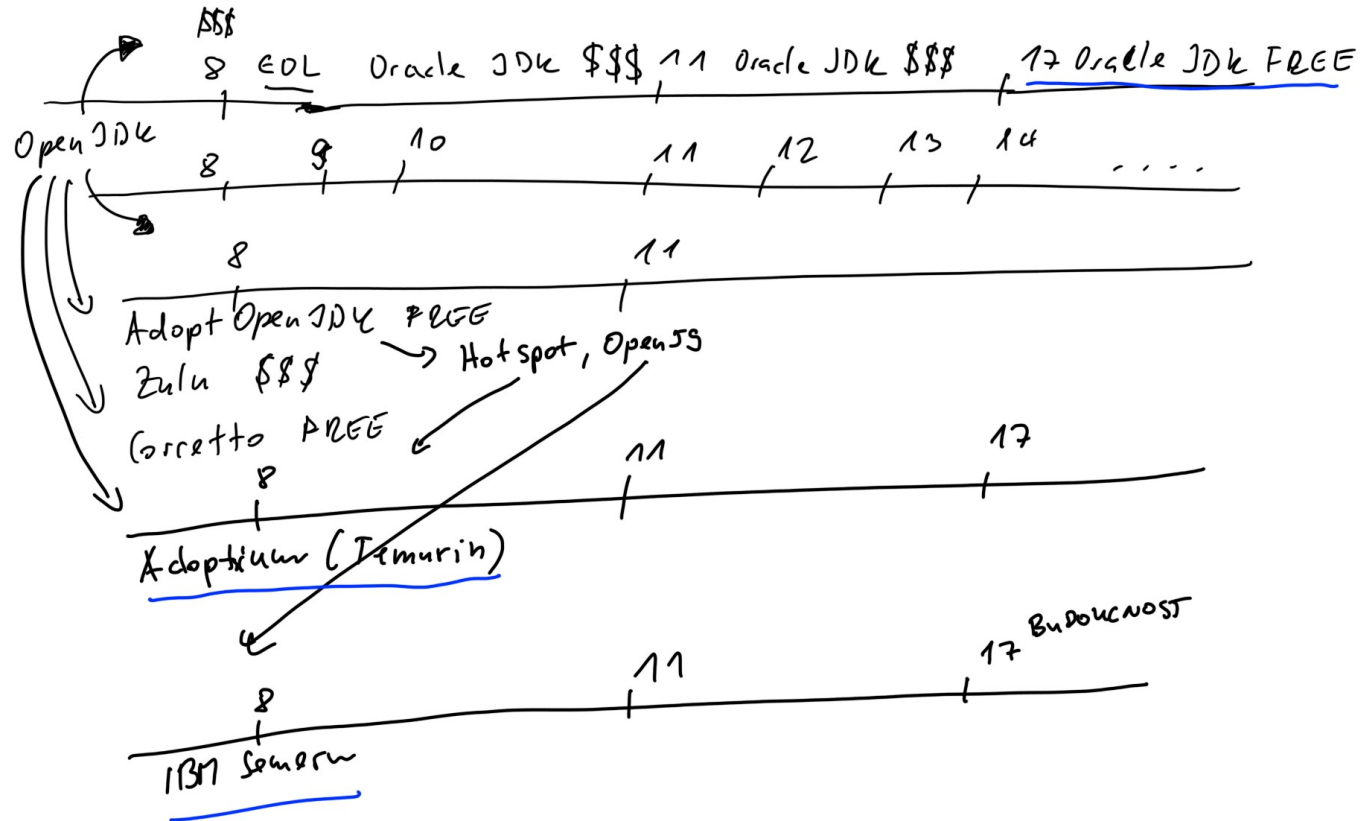


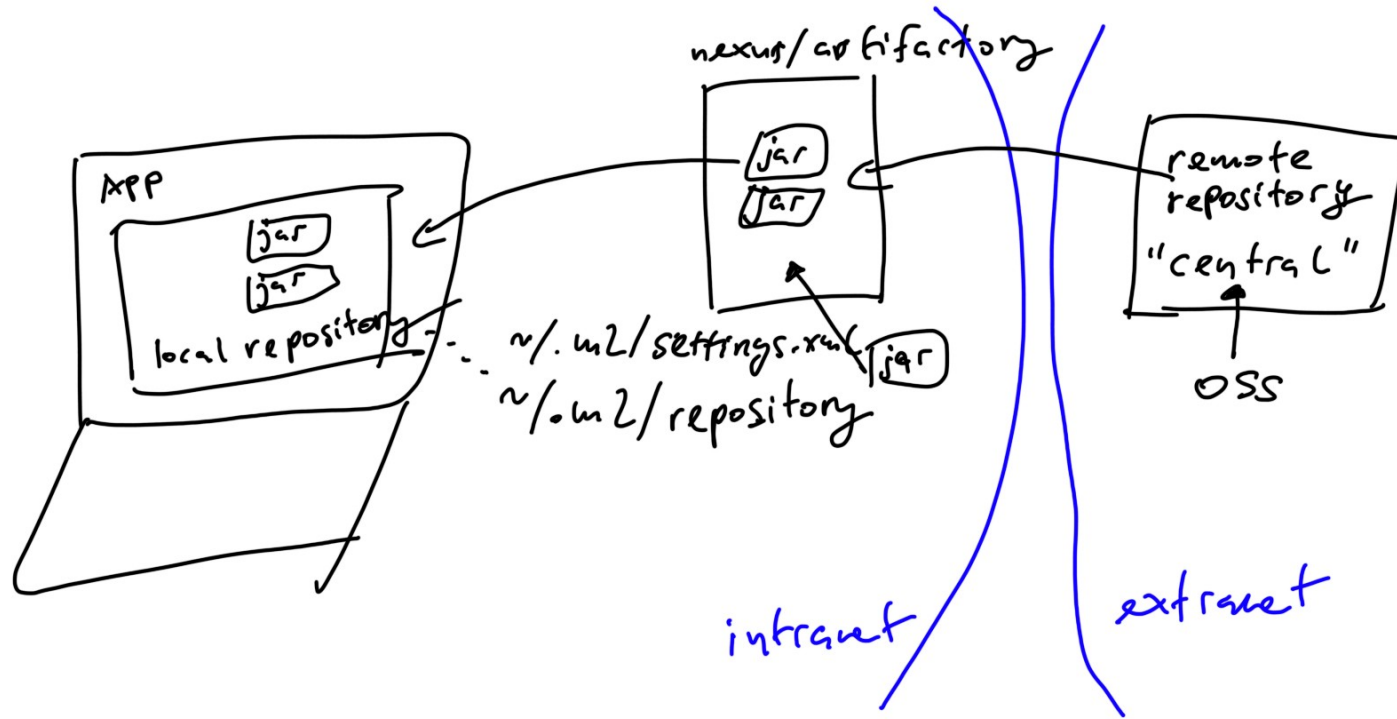
Použití vývojových prostředí a buildovacích nástrojů



Vývoj JDK



Maven & local & remote repository



Maven Lifecycle phase & plugin goal

lifecycle phase

validate

compile

test

package

install

deploy

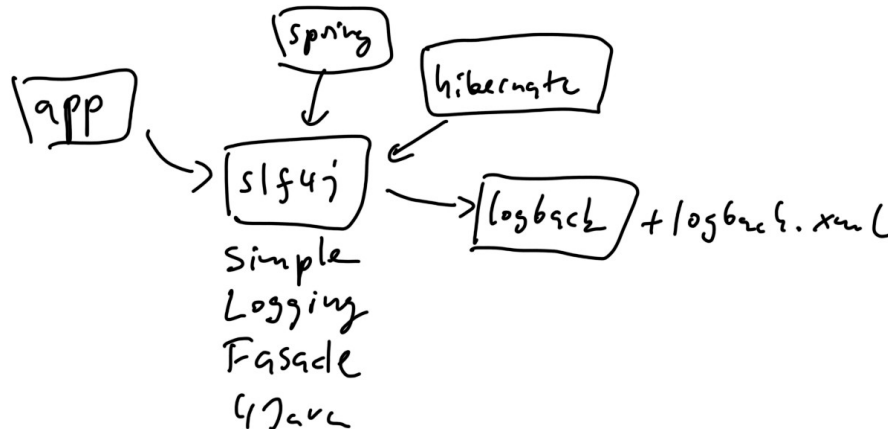
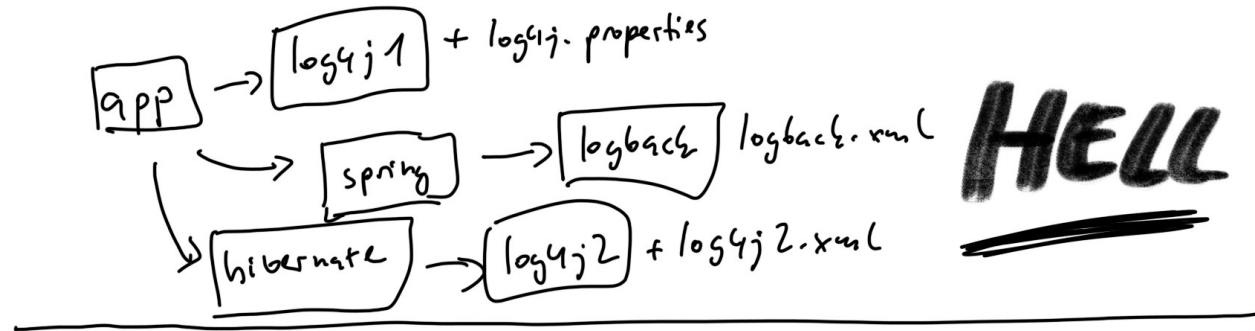
plugin goal (method)

jar:compile

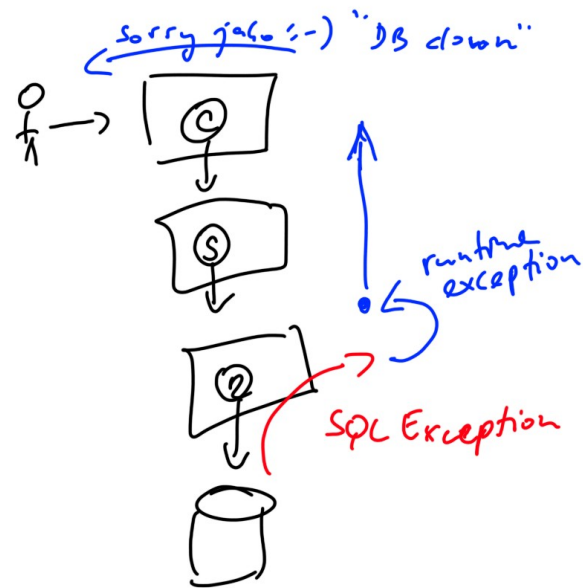
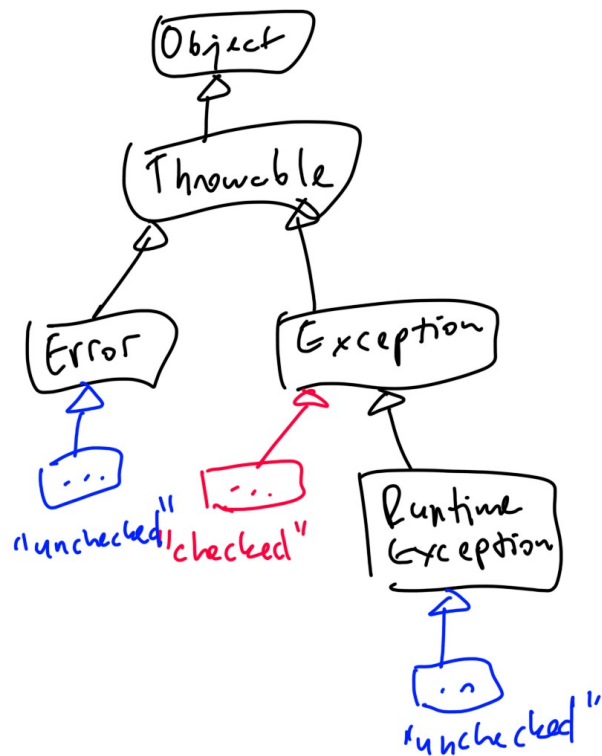
jar:jar

"mvn clean package"

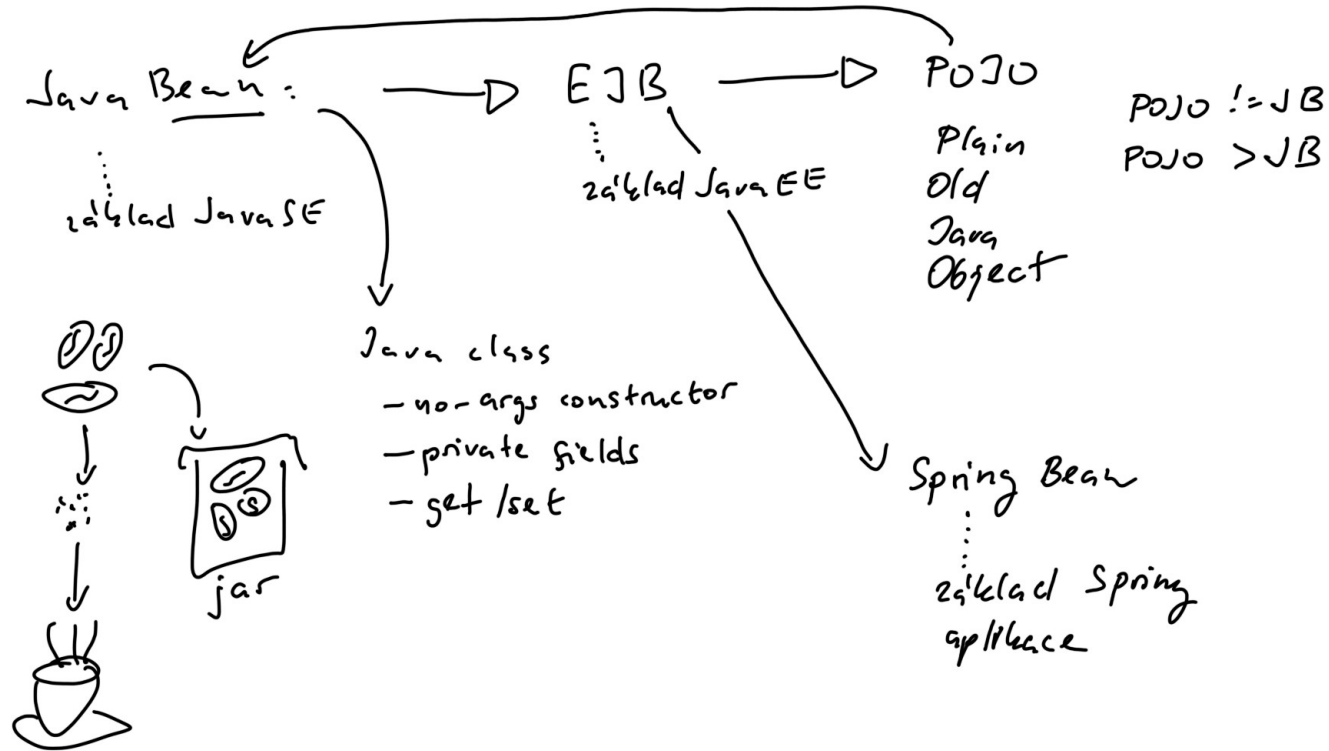
Logování přes SLF4J



Check vs. unchecked výjimky



Java Bean vs. POJO



Intermediate vs. terminal operation

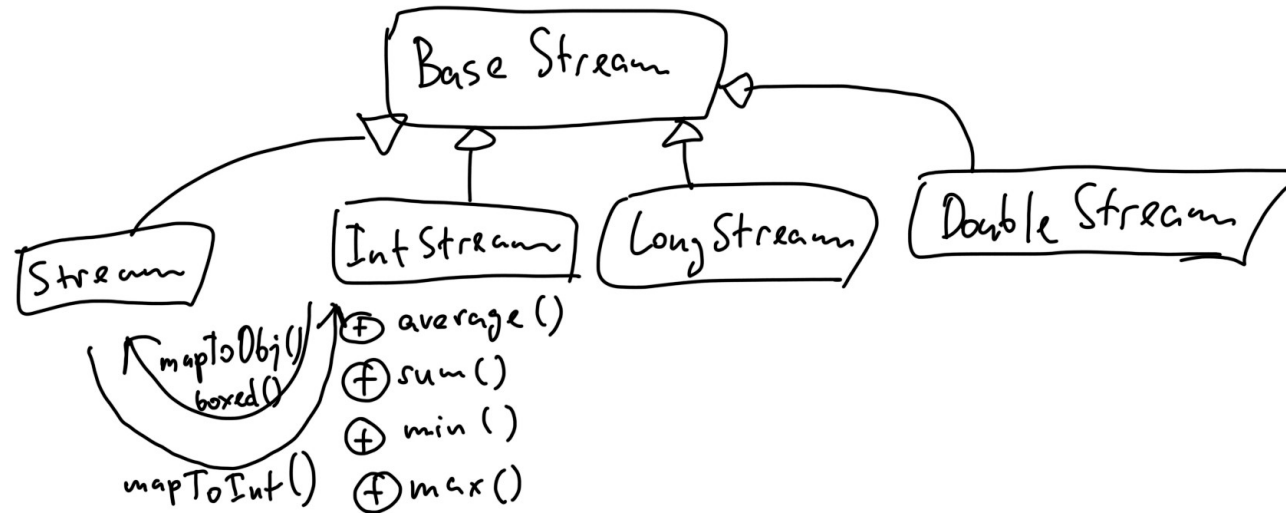
list, stream ()
 . filter ()
 . filter ()
 .
 . map ()
 . map ()
 . collect (Collectors.toList ())

intermediate operation(s) : 0..n

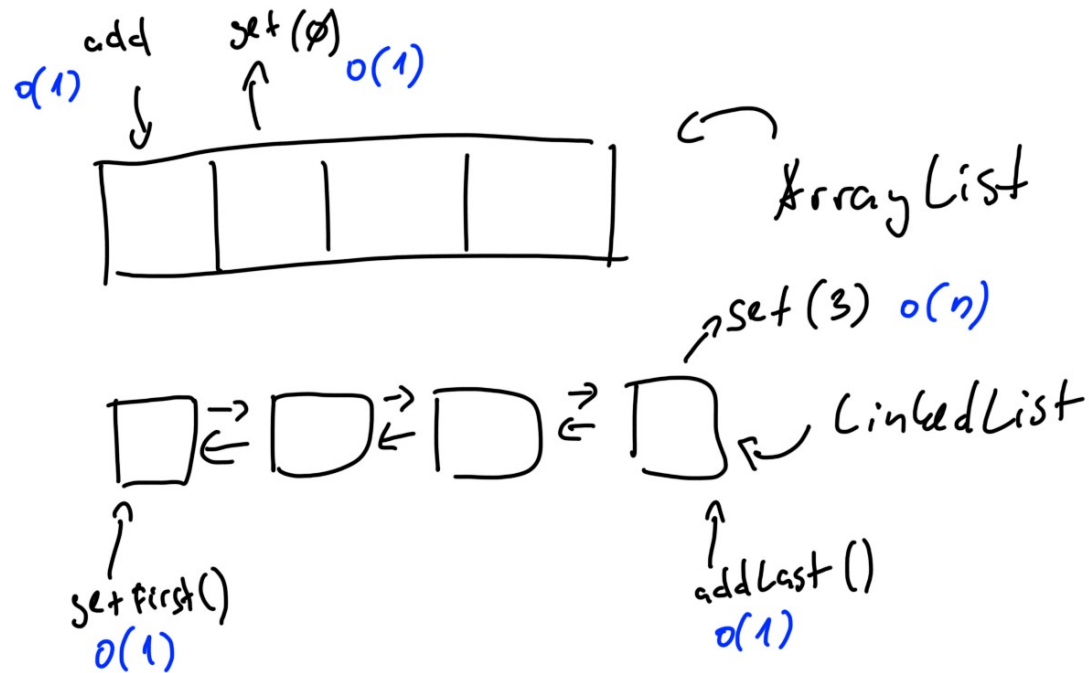
terminating operation {
 1

NGB0: .forEach (System.out::println)

Stream, IntStream, ...



Složitost operací na ArrayList vs. LinkedList



sorted() mění zpracování intermediate operací ve Streamu!

Stream.of("a", "b", "c")

.map(A)
.map(B)
.map(C)
.map(D)
.forEach(x)

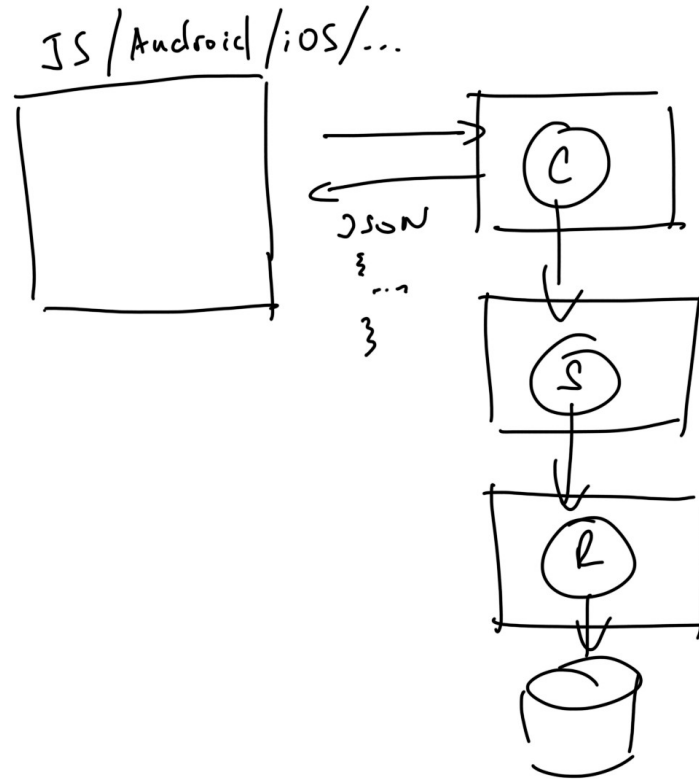
A ("a")
B
C
D
X

A ("b")
B
C
D
X
⋮

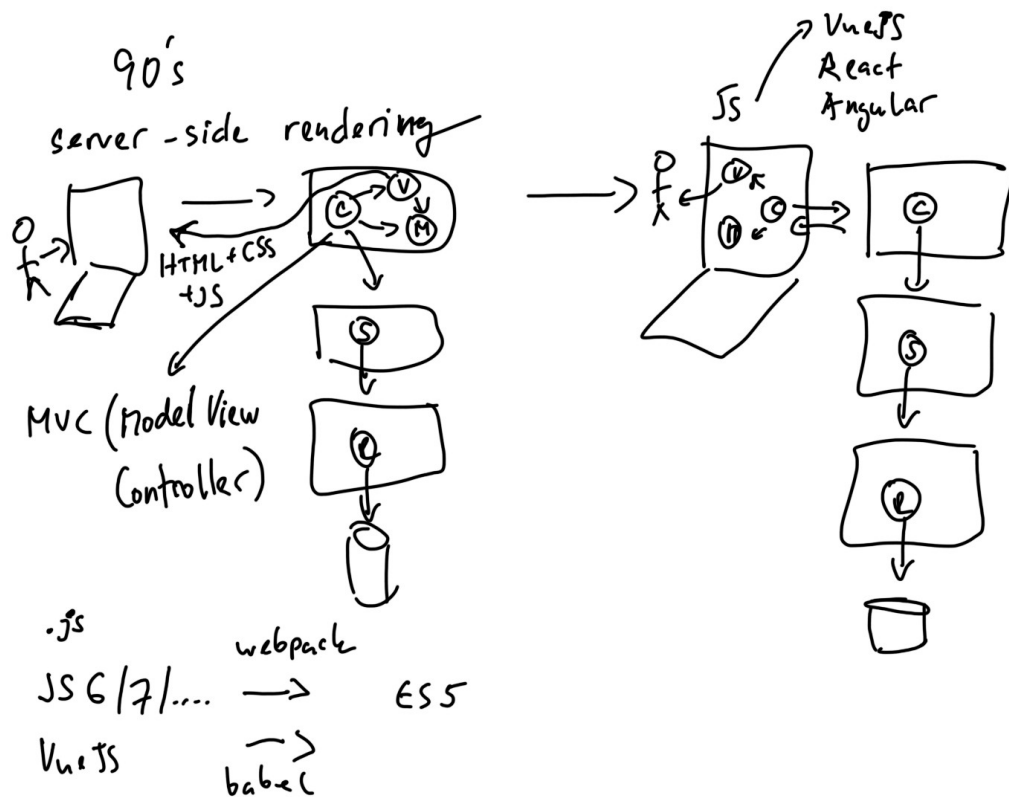
.map(A)
.map(B)
.sorted(S) !
.map(C)
.map(D)
.forEach(X)

A
B
A
B
A
B
S
C
D
X
C
D
X
C
D
X

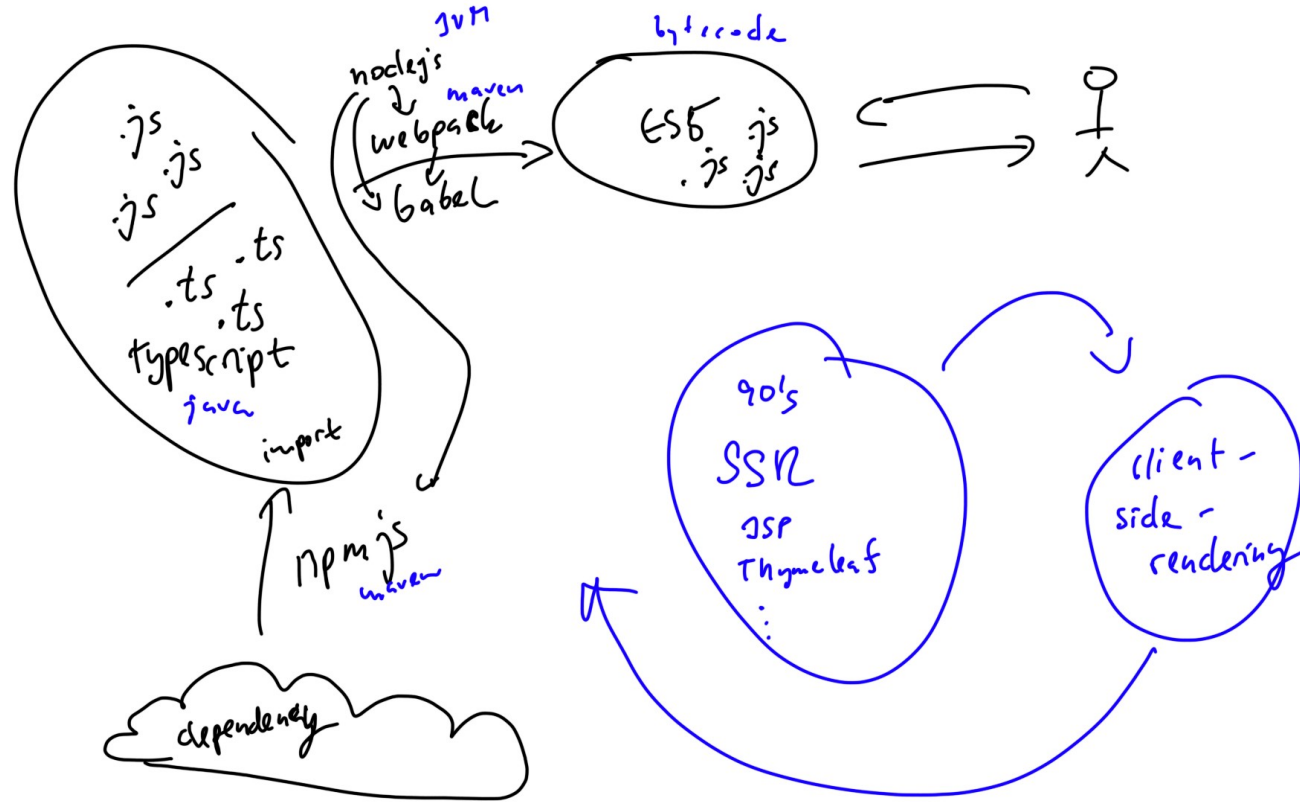
REST server vs. frontend aplikace



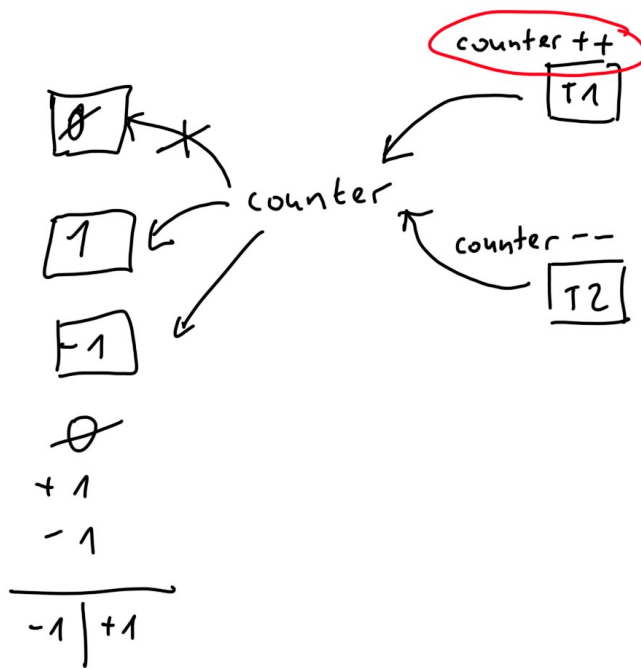
SSR (Server-Side Rendering) → Moderní web. aplikace



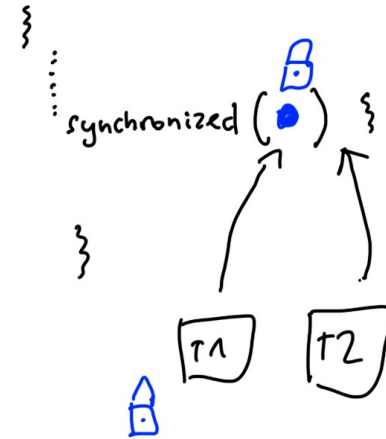
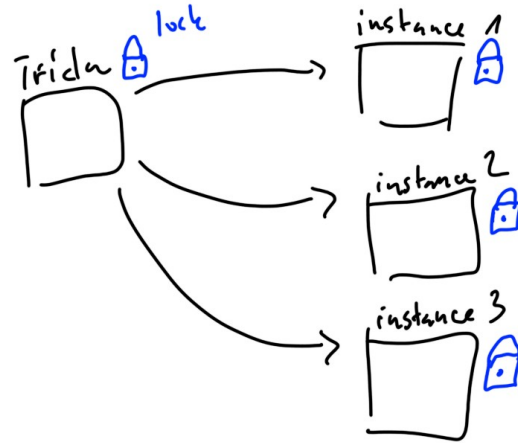
TypeScript / ES6/7/... → ES5



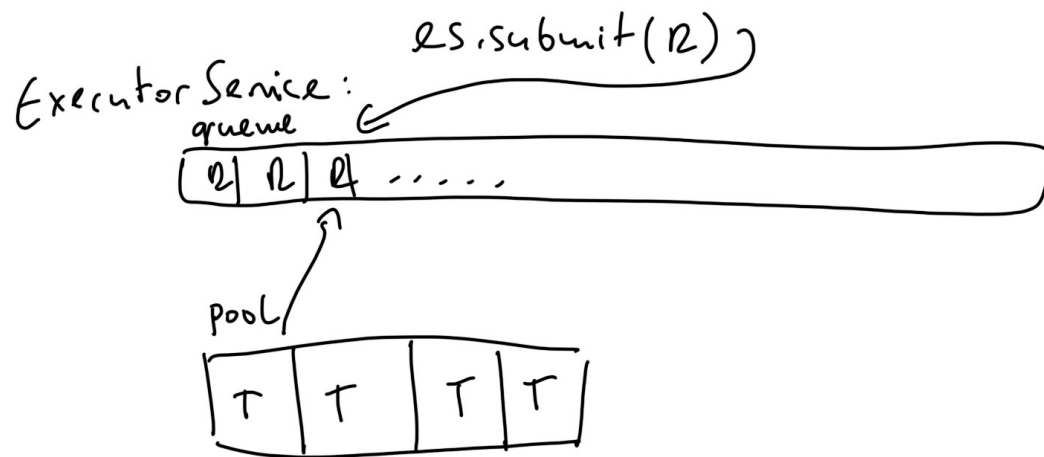
Increment (++) operace není atomická!!!



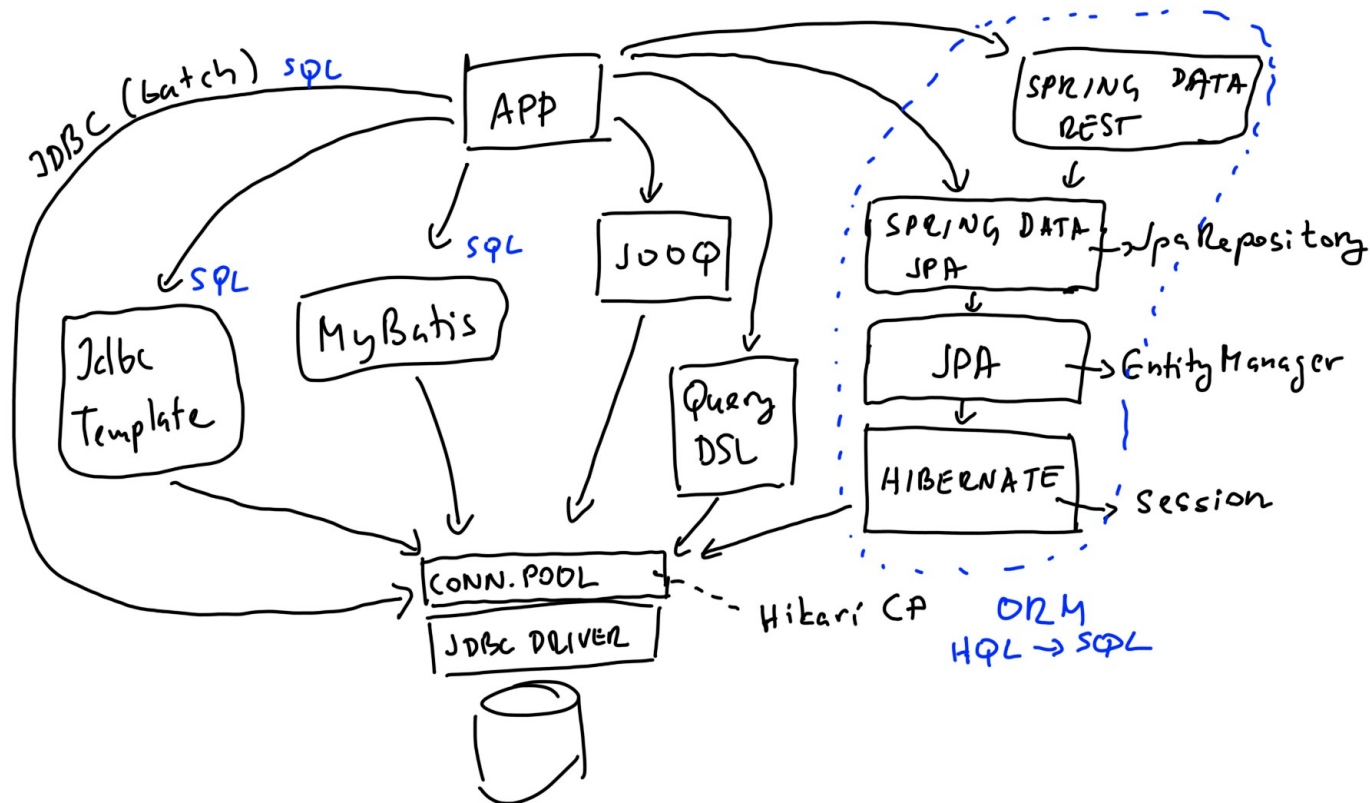
Každá třída (a instance třídy) má lock (zámeček), který v synchronizovaném bloku může mít jenom jedno vlákno.



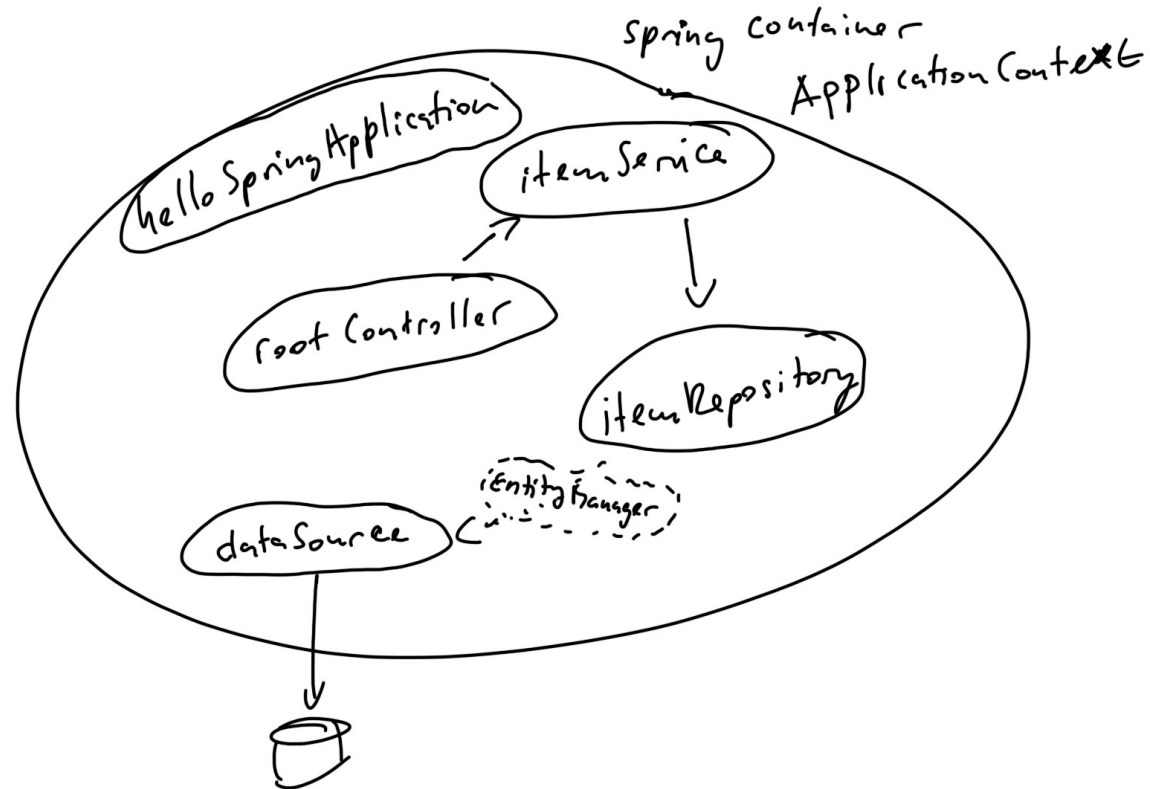
Princip ExecutorService (pool vláken)



Různé způsoby práce s databází



Princip zapojování bean do Spring kontejneru



AS & WAR → Spring Boot & Docker

