

Applying Key Operators in the Flowable Class: Case Study ex2

Douglas C. Schmidt

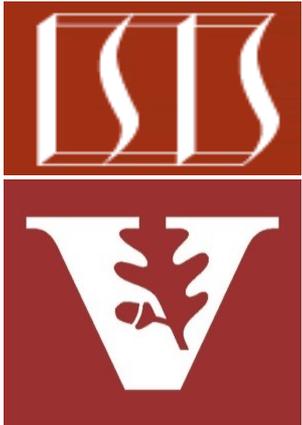
d.schmidt@vanderbilt.edu

www.dre.vanderbilt.edu/~schmidt

Professor of Computer Science

**Institute for Software
Integrated Systems**

**Vanderbilt University
Nashville, Tennessee, USA**



Learning Objectives in this Part of the Lesson

- Case study ex2 applies RxJava Flowable features to demonstrate how a Subscriber running in one Scheduler context can exert flow-control on a backpressure-aware Publisher that runs in a different Scheduler context

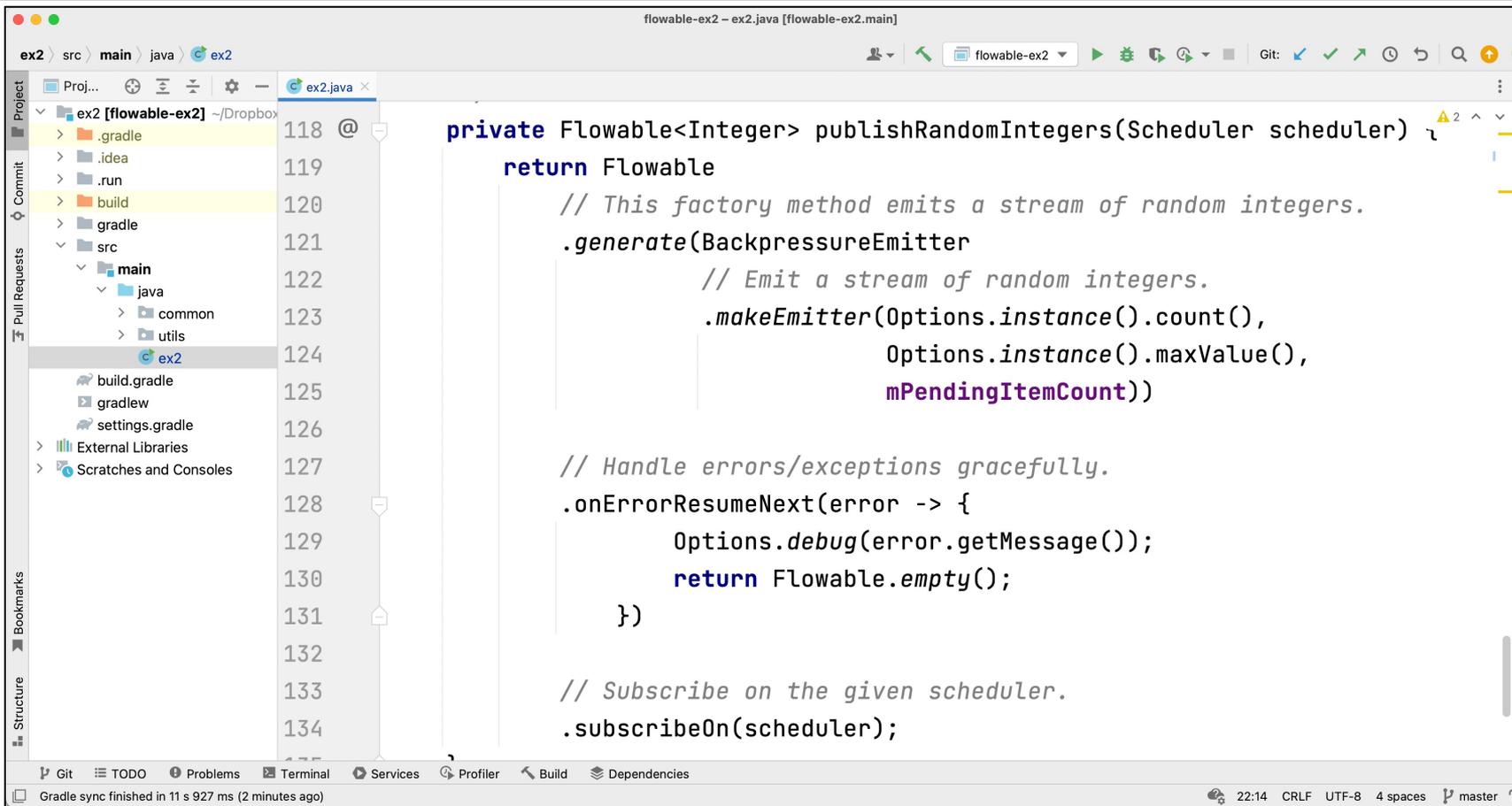
```
return Flowable
    .generate (BackpressureEmitter
        .makeEmitter (count,
            maxValue,
            mPendingItemCount) ) ,

    .onErrorResumeNext (error -> {
        debug (error.getMessage () ) ;
        return Flowable.empty () ;
    })

    .subscribeOn (scheduler) ;
```

Applying Key Operators in the Flowable Class to ex2

Applying Key Operators in the Flowable Class to ex2



```
flowable-ex2 - ex2.java [flowable-ex2.main]
ex2 > src > main > java > ex2
Project: ex2 [flowable-ex2] ~/Dropbox
  > .gradle
  > .idea
  > .run
  > build
  > gradle
  > src
    > main
      > java
        > common
        > utils
        ex2
  build.gradle
  gradlew
  settings.gradle
  External Libraries
  Scratches and Consoles
Commit
Pull Requests
Bookmarks
Structure
118 @
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120
121
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123
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127
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private Flowable<Integer> publishRandomIntegers(Scheduler scheduler) {
    return Flowable
        // This factory method emits a stream of random integers.
        .generate(BackpressureEmitter
            // Emit a stream of random integers.
            .makeEmitter(Options.instance().count(),
                Options.instance().maxValue(),
                mPendingItemCount))

        // Handle errors/exceptions gracefully.
        .onErrorResumeNext(error -> {
            Options.debug(error.getMessage());
            return Flowable.empty();
        })

        // Subscribe on the given scheduler.
        .subscribeOn(scheduler);
}
```

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See github.com/douglasraigschmidt/LiveLessons/tree/master/Reactive/Flowable/ex2

End of Applying Key Operators in the Flowable Class: Case Study ex2