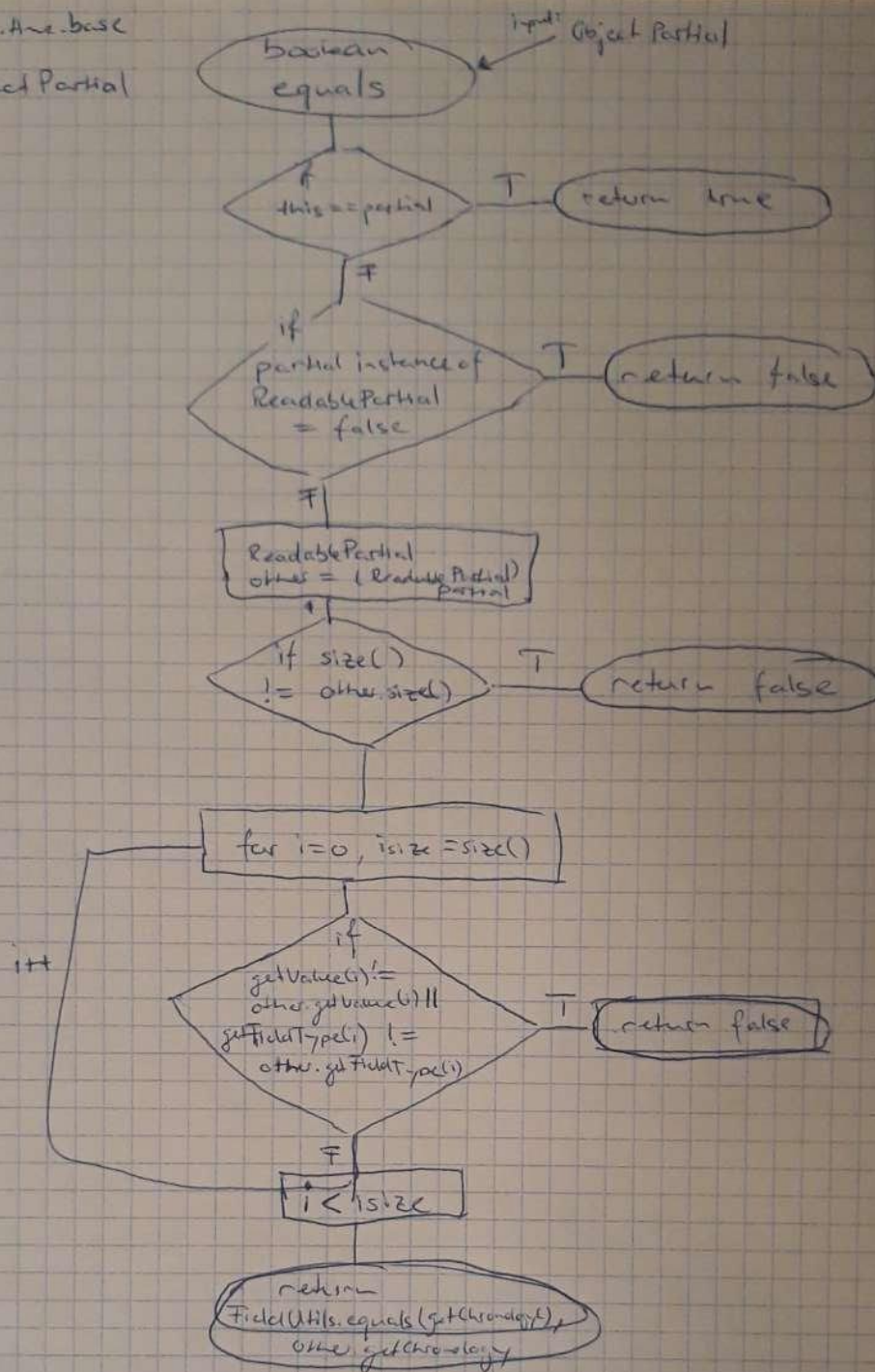
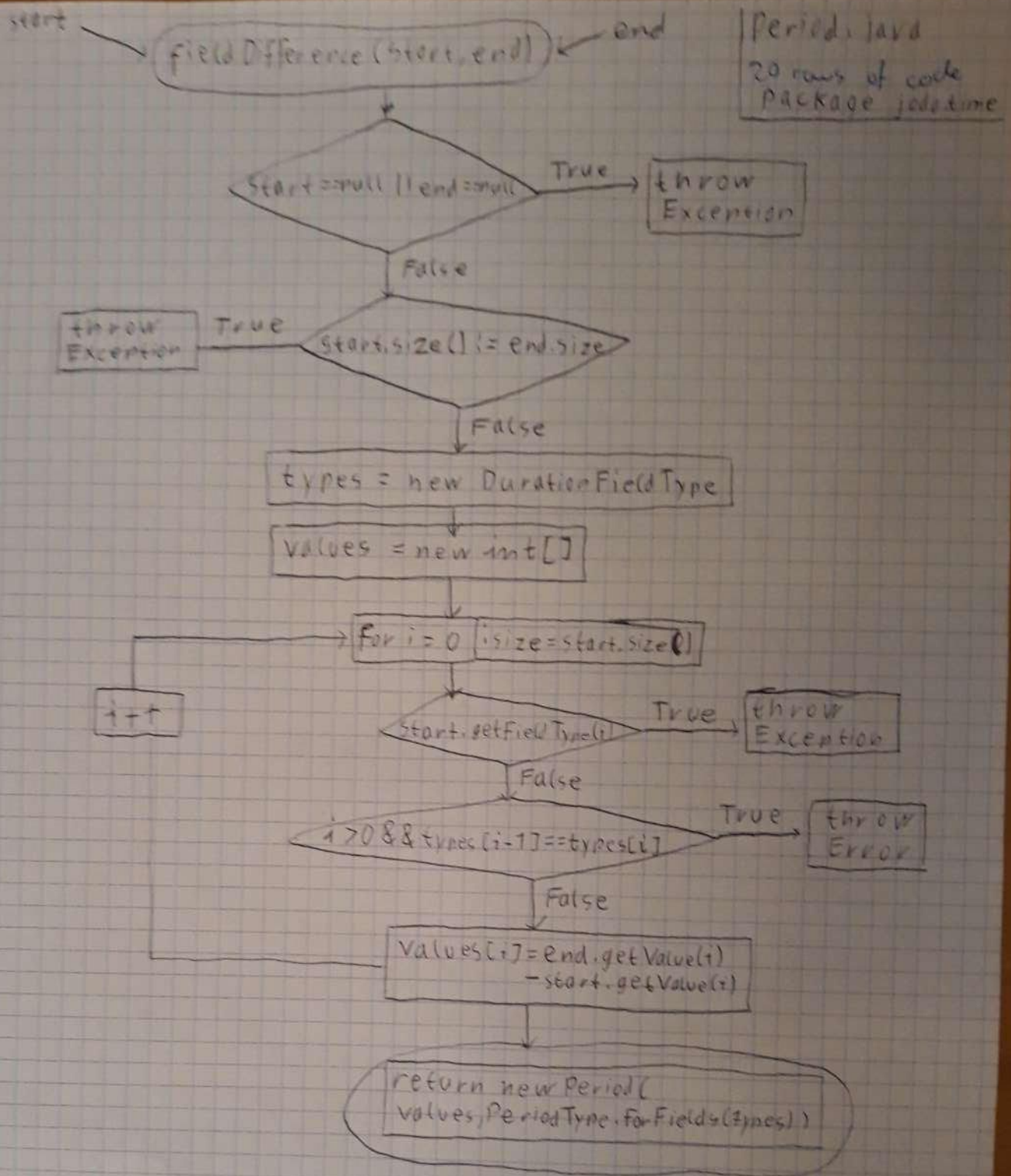


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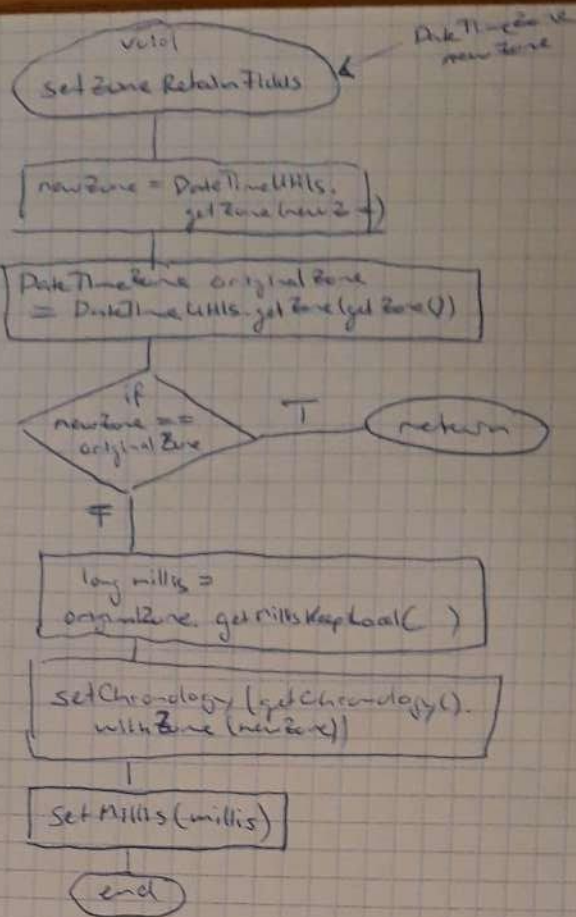
Exercise 2

Package: julia.Awe.base
Class: AbstractPartial





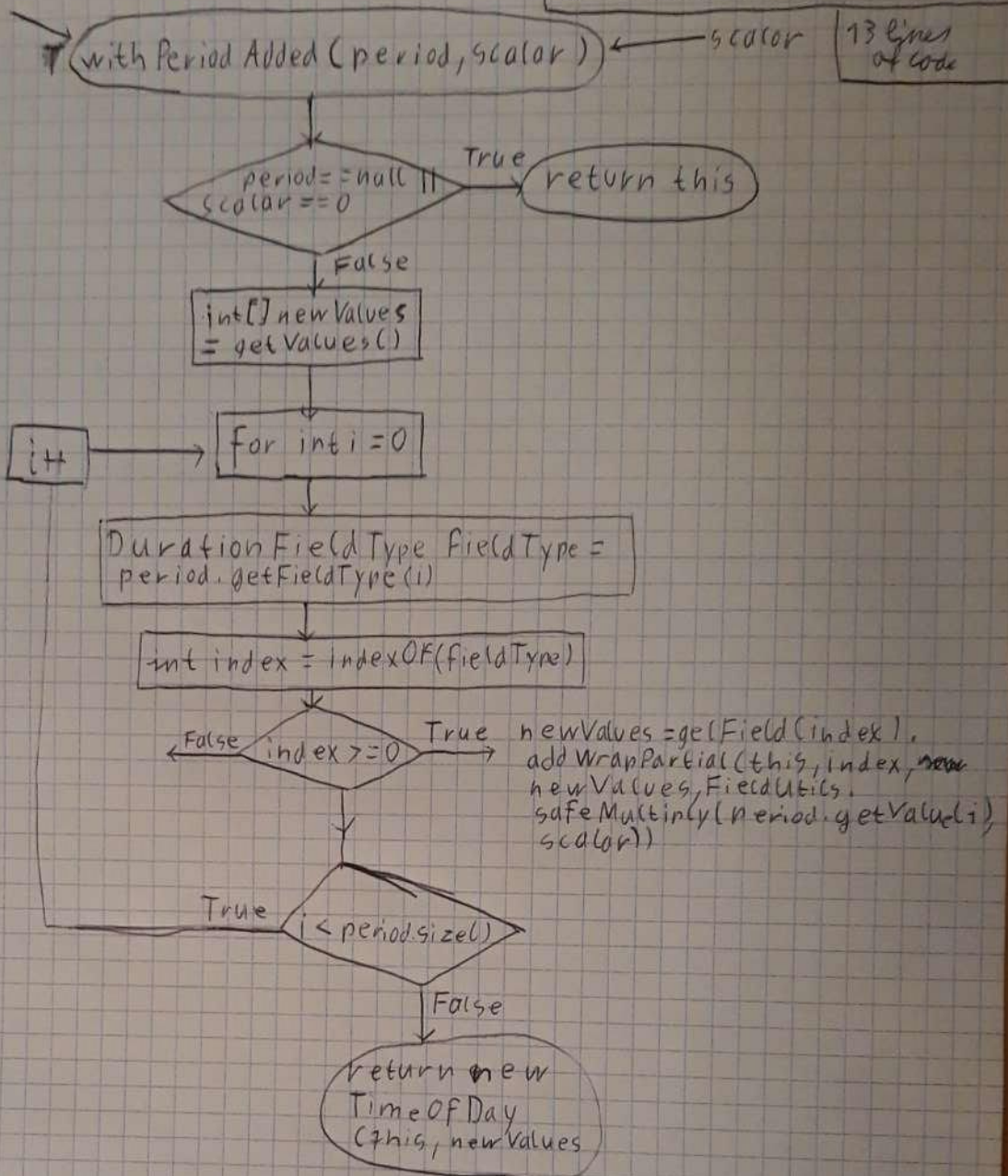
Package: joda.time
Class: MutableDateTime



10 rows of code

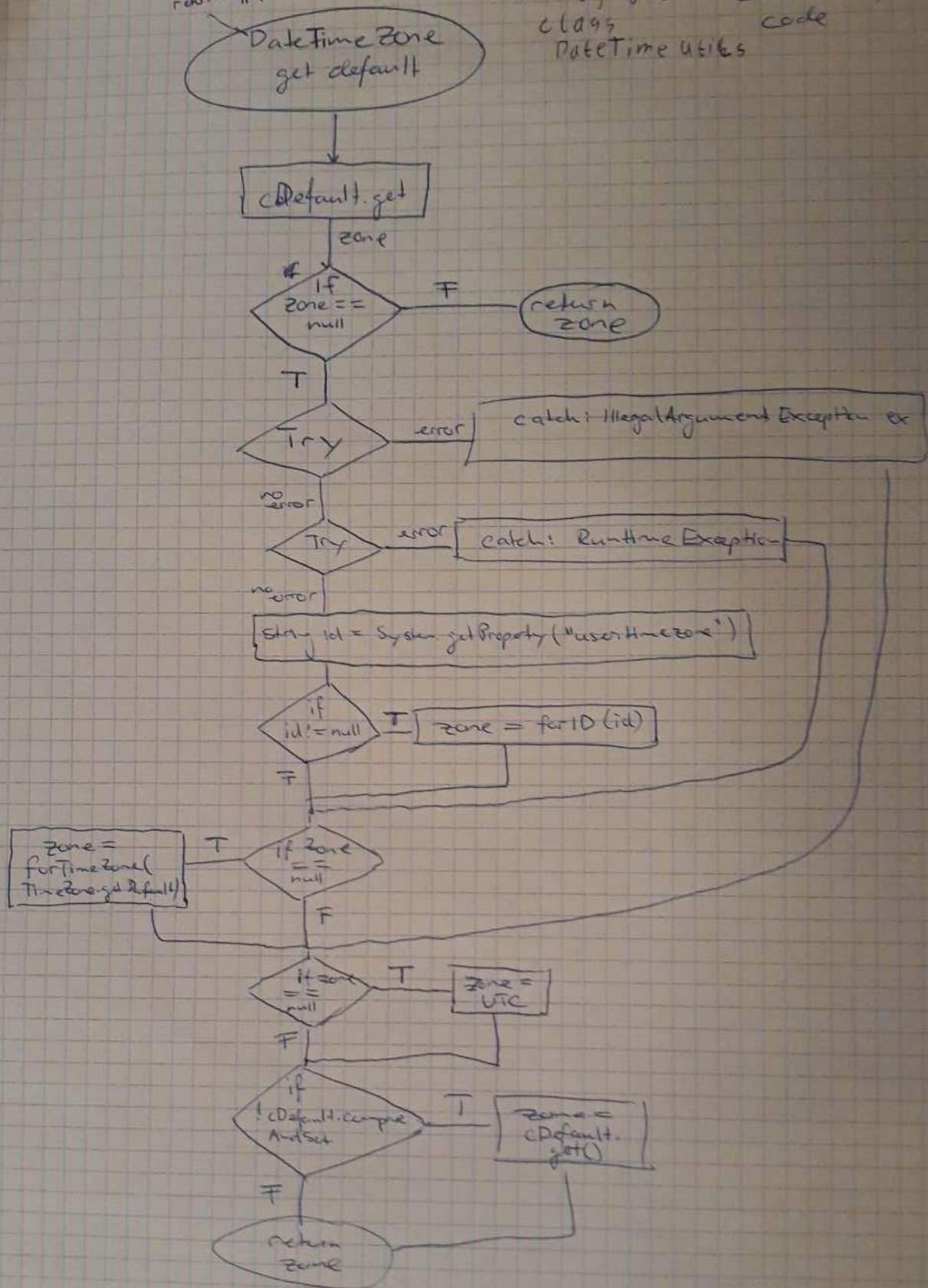
period

joda.time.TimeOfDay.java



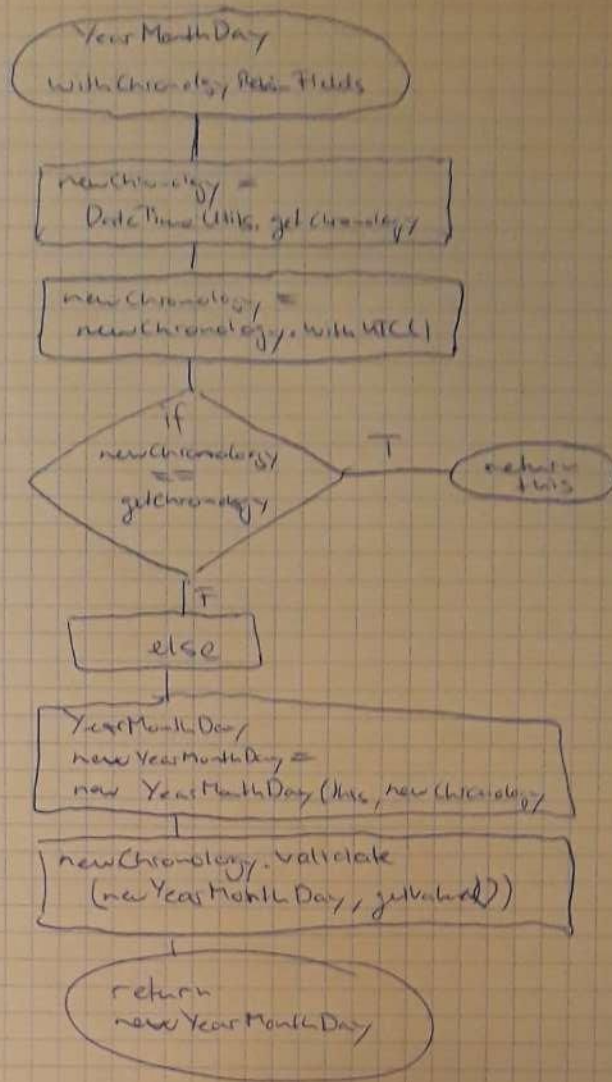
return type

package java.time 25 rows of
class
DateTimeUtils



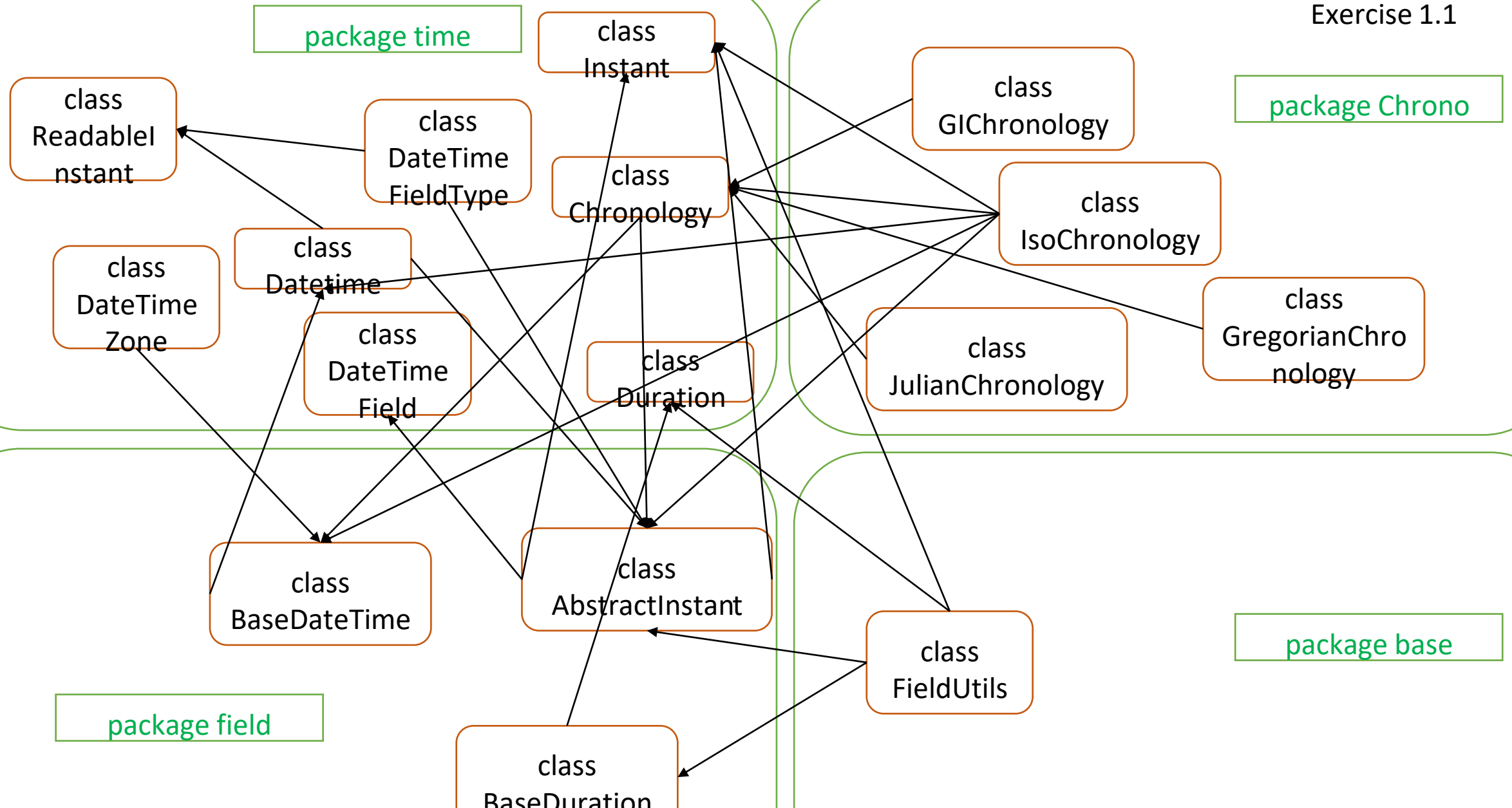
Package: ~~YearMonthDay~~
YearMonthDay
Class: YearMonthDay

8 lines of code.



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Exercise 1.1



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Exercise 1.1

For the map of the architecture, we decided to look at the imports that each class makes. We started at the package `joda.time`, because from the documentation we have inferred, that here are the most classes defined, the user interacts with and it is in general the most important package.

We also looked at the package `base`, because there are many of the important backend classes of the library defined. Many connections inside the `time` package are made through classes in the `base` package. This is another reason we decided to include this package.

And we looked at the package `chrono`. There the calendar system is implemented, with the `IsoChronology` as default calendar but also other calendars and the possibility to plug in own calendar system. We found these features very important since it determines in what sizes we can talk about time, week, day or hour for example. So we decided to include this package as well.

The last package we decided to include in our analysis is the package `field`. This package is used for displaying the date and time information in different formats. For example: The `DayOfYear` Method shows the days passed at that year.

Many of the important User interaction is done via this package. Therefore, we decided to also include this package. From the documentation, we also inferred which classes are the most important ones in the package `joda.time`. Otherwise, because there are so many classes in this package and some of them are significantly less important than others. Then we looked, which classes are imported from `joda.time` made to the other selected packages: `base`, `chrono`, `field`. And we also regarded the connections from these other connections back to `joda.time`. This way we

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could figure out the connections between important members within joda.time going via these other packages, most importantly base, for this purpose.

