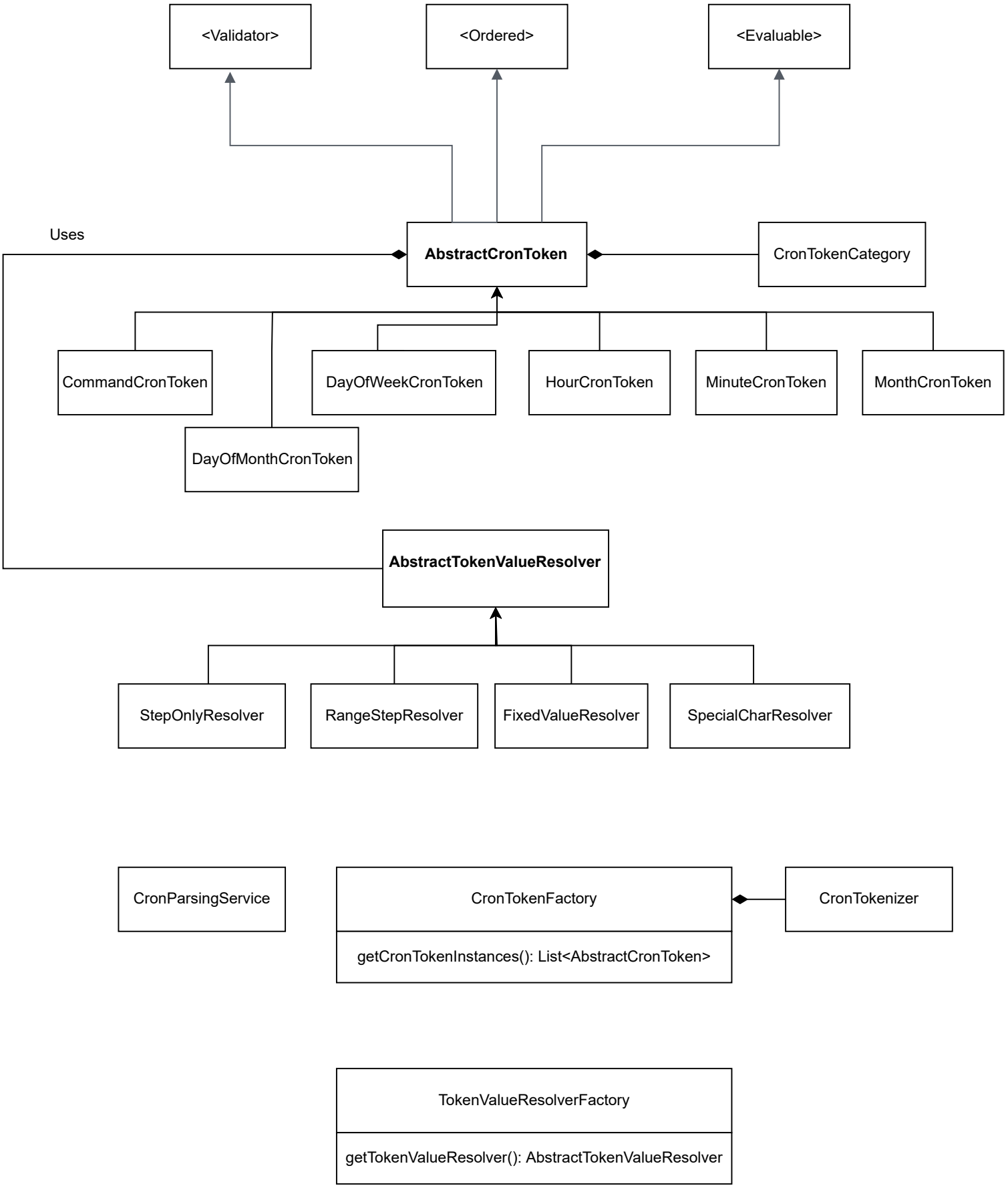
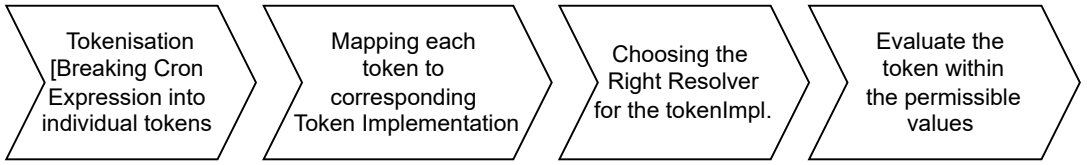
Cron Token Parser Class Hierarchy



Process Description



Example

Step 1. Input Cron Expression

```
*/15 0 1,15 * 1-5 /usr/bin/find
```

Step 2. Tokenize

```
Pair<CronTokenCategory, String>
Pair.of(CronTokenCategory.MINUTE, "*/15")
Pair.of(CronTokenCategory.HOUR, "0")
Pair.of(CronTokenCategory.DAY_OF_MONTH, "1,15")
Pair.of(CronTokenCategory.MONTH, "*")
Pair.of(CronTokenCategory.DAY_OF_WEEK, "1-5")
Pair.of(CronTokenCategory.COMMAND, "/usr/bin/find")
```

Step 3. Get Equivalent CronTokenType

```
list<AbstractCronToken>
[
new MinuteCronToken (value)
new HourCronToken (value)
new DayOfMonthCronToken (value)
new MonthCronToken (value)
new DayOfWeekCronToken (value)
new CommandCronToken (value)
]
```

Step4: For each value of CronTokenType find the correct resolver based on the token value, Apply the right `PermittedValue` Value to the resolver

```
if (value is of type */15 for token type MinuteCronToken then
CronTokenValue resolver will be StepOnlyResolver, With
PermittedValue as 0 to 60.
```

Step5: Resolve the applicable value based on the token type and permitted value

```
return 0 15 30 45 as list
```