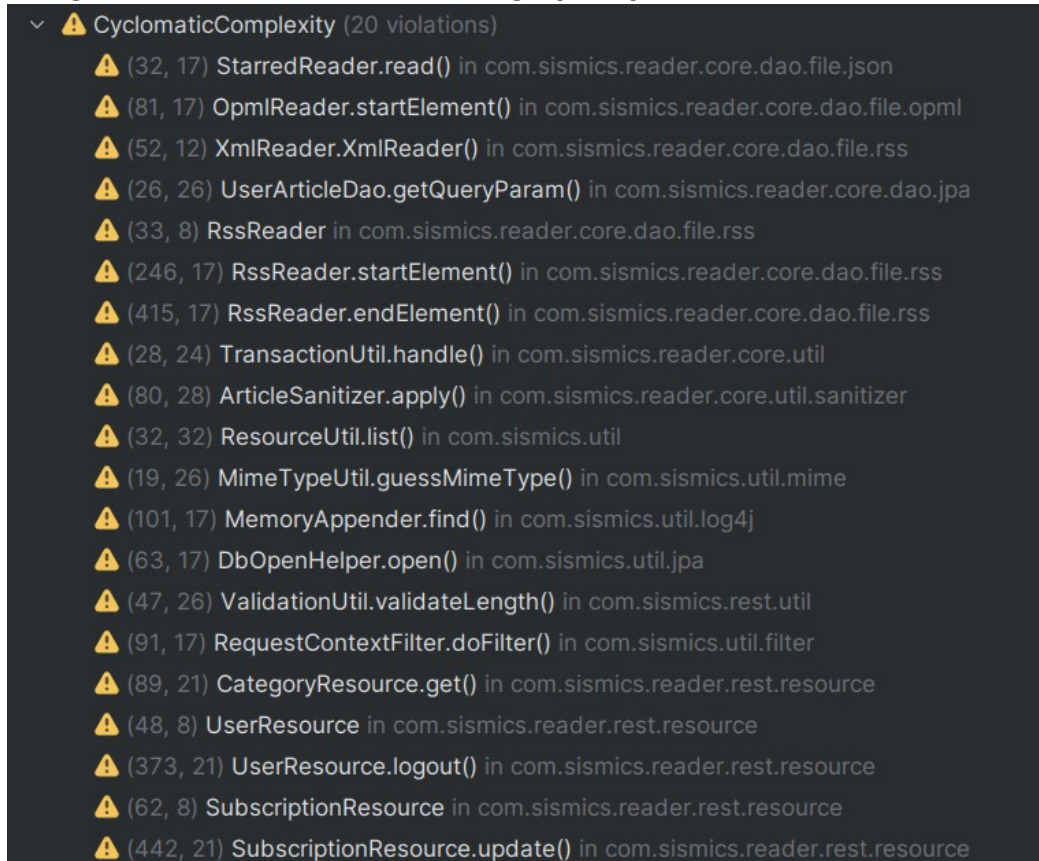

After Refactor

1. **Cyclomatic Complexity** – Reports methods with complexity reduced from **27** to **10**.
2. **NPath Complexity** – Flags methods with an execution path count reduced from **10** to **5**.
3. **To Many Methods** – methods increased from **8** to **10**
4. **Coupling Between Objects (CBO)** – Reports classes with a coupling count above **No Change**.

1. Cyclomatic Complexity (CC)



(26, 26) UserArticleDao.getQueryParam() in com.sismics.reader.core.dao.jpa
(71,21) SubscriptionResource.list()
(138,17) FeedService.synchronize()
(146,21) UserResource.update()
(236,21) UserResource.update()
(391,21) UserResource.info()
(203,18) SubscriptionImportAsyncListener.processImportFile()
(304,18) SubscriptionImportAsyncListener.importOutline()

(431,18) SubscriptionImportAsyncListener.importFeedFromStarred()
Was reduced after Refactoring

2. NPath Complexity

```
▼ ⚠ NPathComplexity (5 violations)
  ⚠ (32, 17) StarredReader.read() in com.sismics.reader.core.dao.file.json
  ⚠ (26, 26) UserArticleDao.getQueryParam() in com.sismics.reader.core.dao.jpa
  ⚠ (246, 17) RssReader.startElement() in com.sismics.reader.core.dao.file.rss
  ⚠ (50, 19) ArticleSanitizer.sanitize() in com.sismics.reader.core.util.sanitizer
  ⚠ (32, 32) ResourceUtil.list() in com.sismics.util
```

(304,18) SubscriptionImportAsyncListener.importOutline()
(431,18) SubscriptionImportAsyncListener.importFeedFromStarred()
(138,17) FeedService.synchronize()
(146,21) UserResource.update()
(236,21) UserResource.update()

Got resolved after refactoring

3. ToManyMethods

```
▼ ⚠ TooManyMethods (10 violations)
  ⚠ (11, 34) UserArticleCriteria in com.sismics.reader.core.dao.jpa.criteria
  ⚠ (33, 47) RssReader in com.sismics.reader.core.dao.file.rss
  ⚠ (52, 46) SubscriptionImportAsyncListener in com.sismics.reader.core.listener.async
  ⚠ (55, 59) FeedService in com.sismics.reader.core.service
  ⚠ (21, 39) ResultMapper in com.sismics.util.jpa
  ⚠ (19, 35) TestArticleSanitizer in com.sismics.util
  ⚠ (46, 57) BaseJerseyTest in com.sismics.reader.rest
  ⚠ (18, 28) TestRssReader in com.sismics.reader.core.dao.file.rss
  ⚠ (48, 48) UserResource in com.sismics.reader.rest.resource
  ⚠ (62, 56) SubscriptionResource in com.sismics.reader.rest.resource
```

Its increases by adding two new methods to fix broken modularization in SubscriptionImportAsyncListner.java and UserResource.java