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# Big Data System Engineering with Scala Fall 2022 Assignment No. 06



### -List of Tasks Implemented

- Implement WebCrawler.scala:
  - 1. getURLs
  - 2. for-comprehension using getURLContent
- Implement MonadOps.scala:
  - 1. asOption

#### -Code

### getURLS:

```
// Hint: write as a for-comprehension, using the method createURL(Option[URL], String) to get the appropriate URL
// 16 points.

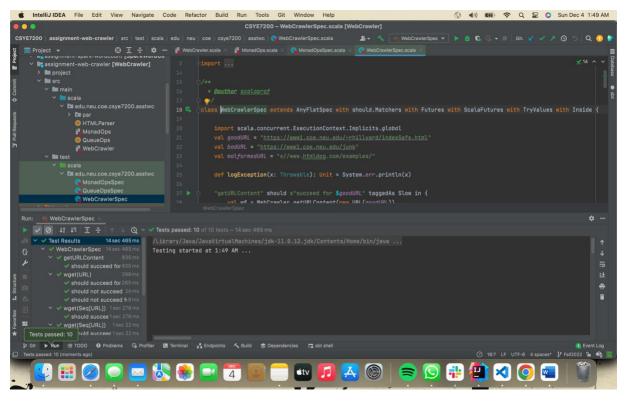
def getURLs(ns: Node): Seq[Try[URL]] = for {
    n <- ns \\ "a"
    href <- n.attribute("href")
} yield validateURL(createURL(Some(url), href.text))
```

### for-comprehension using getURLContent:

## asOption:

#### -Unit tests

WebCrawlerSpec.scala:



MonadOpsSpec.scala:

