Deepika Balasubramanian – SEC01 (NUID 002194564)

Big Data System Engineering with Scala  
Spring 2022   
Assignment No. 6



**-List of Tasks Implemented**

* getURLs in the wget
* for comprehension in wget to get links above
* asOption in MonadOps

**Code:**

**Code for** getURLs in the wget

def getURLs(ns: Node): Seq[Try[URL]] = for (anchor <- ns \\ "a"; href = anchor\@"href") yield *validateURL*(*createURL*(*Option*(url), href))

**Code for** for comprehension in wget to get links above

for { content <- *getURLContent*(url) ; urls <- MonadOps.*asFuture*(getLinks(content)) } yield urls

**Code for** asOption in MonadOps

def asOption[X](xe: Either[Throwable, X]): Option[X] = xe.toOption

**Screenshots:**

**Unit Tests Screenshot:**

**Passed all test cases**

**A screenshot of a computer

Description automatically generated**

**Graphical user interface, text

Description automatically generated**

A screenshot of a computer

Description automatically generated

Link to the repo: <https://github.com/Deepikabala14>