Implement the primitive web crawler that is partly complete in the *crawler* package on our class repo.

There are five TODOs to complete, with a total point value of 53. You may also earn up to 10 bonus points for suggestions on how to improve the web crawler (detailed code not required but you do need to explain in words what you would do). Three of these are in *WebCrawler.scala*. The other two are in *MonadOps.scala* as follows (you will not need any other TODOs to be implemented):

* def sequence[X](xfs: Seq[Future[X]])(implicit executor: ExecutionContext): Seq[Future[Either[Throwable, X]]] // TODO 6
* def sequence[X](xe: Either[Throwable, X]): Option[X] // TODO 7

Please ensure that you pull the latest versions of *WebCrawler.scala, HTMLParser.scala*and*MonadOps.scala.*

Thereis also a main program but if you run that, you will need to provide Program arguments consisting of URL(s) at which to start crawling.

This assignment is not as easy as it looks. Just getting it to run takes quite a bit of work. Don't try to recurse deeply, at least at first -- that will complicate your life too much.

Also, please be aware that this assignment was originally developed for Scala 2.11.8 and including in the dependencies scala-xml version 1.0.6.  You may have to adjust the dependencies if you're running on Scala 2.12. Yuan will be able to help with that. Keep an eye on the assignments channel of Slack. There may be some helpful advice there.

Good luck!