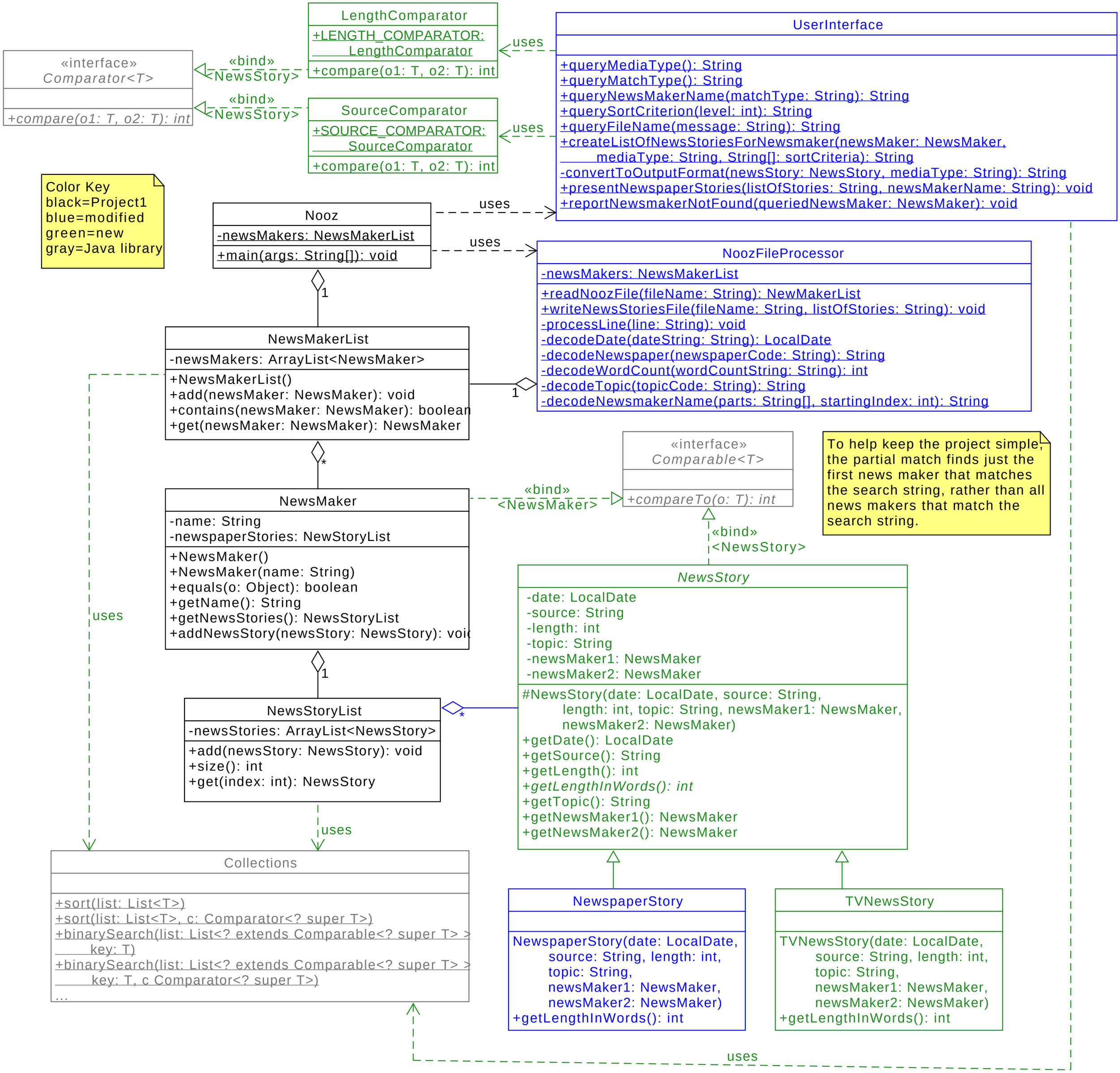
«interface»
Comparator<T>
+compare(o1: T, o2: T): int
«bind»
<NewsStory>
LengthComparator
+LENGTH_COMPARATOR: LengthComparator
+compare(o1: T, o2: T): int
SourceComparator
+SOURCE_COMPARATOR: SourceComparator
+compare(o1: T, o2: T): int
uses
UserInterface
+queryMediaType(): String
+queryMatchType(): String
+queryNewsMakerName(matchType: String): String
+querySortCriterion(level: int): String
+queryFileName(message: String): String
+createListOfNewsStoriesForNewsmaker(newsMaker: NewsMaker, mediaType: String, String[]: sortCriteria): String
-convertToOutputFormat(newsStory: NewsStory, mediaType: String): String
+presentNewspaperStories(listOfStories: String, newsMakerName: String): void
+reportNewsmakerNotFound(queriedNewsMaker: NewsMaker): void
Color Key
black=Project1
blue=modified
green=new
gray=Java library
Nooz
-newsMakers: NewsMakerList
+main(args: String[]): void
NoozFileProcessor
-newsMakers: NewsMakerList
+readNoozFile(fileName: String): NewMakerList
+writeNewsStoriesFile(fileName: String, listOfStories: String): void
-processLine(line: String): void
-decodeDate(dateString: String): LocalDate
-decodeNewspaper(newspaperCode: String): String
-decodeWordCount(wordCountString: String): int
-decodeTopic(topicCode: String): String
-decodeNewsmakerName(parts: String[], startingIndex: int): String
1
NewsMakerList
-newsMakers: ArrayList<NewsMaker>
+NewsMakerList()
+add(newsMaker: NewsMaker): void
+contains(newsMaker: NewsMaker): boolean
+get(newsMaker: NewsMaker): NewsMaker
*
«interface»
Comparable<T>
+compareTo(o: T): int
To help keep the project simple, the partial match finds just the first news maker that matches the search string, rather than all news makers that match the search string.
NewsMaker
-name: String
-newspaperStories: NewStoryList
+NewsMaker()
+NewsMaker(name: String)
+equals(o: Object): boolean
+getName(): String
+getNewsStories(): NewsStoryList
+addNewsStory(newsStory: NewsStory): void
«bind»
<NewsMaker>
«bind»
<NewsStory>
NewsStory
-date: LocalDate
-source: String
-length: int
-topic: String
-newsMaker1: NewsMaker
-newsMaker2: NewsMaker
#NewsStory(date: LocalDate, source: String, length: int, topic: String, newsMaker1: NewsMaker, newsMaker2: NewsMaker)
+getDate(): LocalDate
+getSource(): String
+getLength(): int
+getLengthInWords(): int
+getTopic(): String
+getNewsMaker1(): NewsMaker
+getNewsMaker2(): NewsMaker
NewsStoryList
-newsStories: ArrayList<NewsStory>
+add(newsStory: NewsStory): void
+size(): int
+get(index: int): NewsStory
Collections
+sort(list: List<T>)
+sort(list: List<T>, c: Comparator<? super T>)
+binarySearch(list: List<? extends Comparable<? super T> >, key: T)
+binarySearch(list: List<? extends Comparable<? super T> >, key: T, c Comparator<? super T>)
...
NewspaperStory
NewspaperStory(date: LocalDate, source: String, length: int, topic: String, newsMaker1: NewsMaker, newsMaker2: NewsMaker)
+getLengthInWords(): int
TVNewsStory
TVNewsStory(date: LocalDate, source: String, length: int, topic: String, newsMaker1: NewsMaker, newsMaker2: NewsMaker)
+getLengthInWords(): int