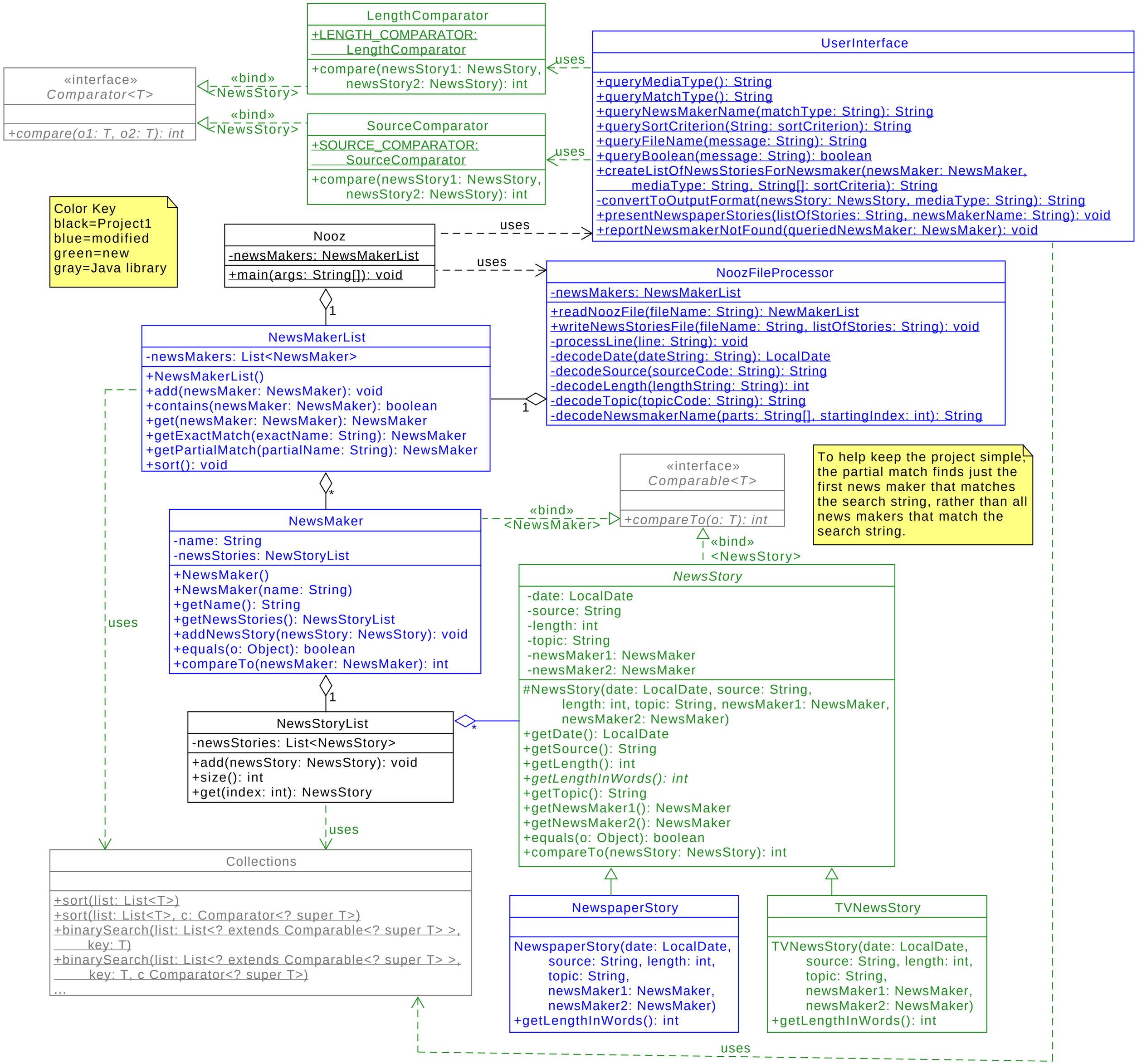
LengthComparator
+LENGTH_COMPARATOR: LengthComparator
+compare(newsStory1: NewsStory, newsStory2: NewsStory): int
«interface»
Comparator<T>
+compare(o1: T, o2: T): int
«bind» <NewsStory>
«bind» <NewsStory>
SourceComparator
+SOURCE_COMPARATOR: SourceComparator
+compare(newsStory1: NewsStory, newsStory2: NewsStory): int
uses
uses
UserInterface
+queryMediaType(): String
+queryMatchType(): String
+queryNewsMakerName(matchType: String): String
+querySortCriterion(String: sortCriterion): String
+queryFileName(message: String): String
+queryBoolean(message: String): boolean
+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
uses
uses
NoozFileProcessor
-newsMakers: NewsMakerList
+readNoozFile(fileName: String): NewMakerList
+writeNewsStoriesFile(fileName: String, listOfStories: String): void
-processLine(line: String): void
-decodeDate(dateString: String): LocalDate
-decodeSource(sourceCode: String): String
-decodeLength(lengthString: String): int
-decodeTopic(topicCode: String): String
-decodeNewsmakerName(parts: String[], startingIndex: int): String
1
1
NewsMakerList
-newsMakers: List<NewsMaker>
+NewsMakerList()
+add(newsMaker: NewsMaker): void
+contains(newsMaker: NewsMaker): boolean
+get(newsMaker: NewsMaker): NewsMaker
+getExactMatch(exactName: String): NewsMaker
+getPartialMatch(partialName: String): NewsMaker
+sort(): void
*
«interface»
Comparable<T>
+compareTo(o: T): int
«bind» <NewsMaker>
«bind» <NewsStory>
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
-newsStories: NewsStoryList
+NewsMaker()
+NewsMaker(name: String)
+getName(): String
+getNewsStories(): NewsStoryList
+addNewsStory(newsStory: NewsStory): void
+equals(o: Object): boolean
+compareTo(newsMaker: NewsMaker): int
uses
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
+equals(o: Object): boolean
+compareTo(newsStory: NewsStory): int
1
*
NewsStoryList
-newsStories: List<NewsStory>
+add(newsStory: NewsStory): void
+size(): int
+get(index: int): NewsStory
uses
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
uses