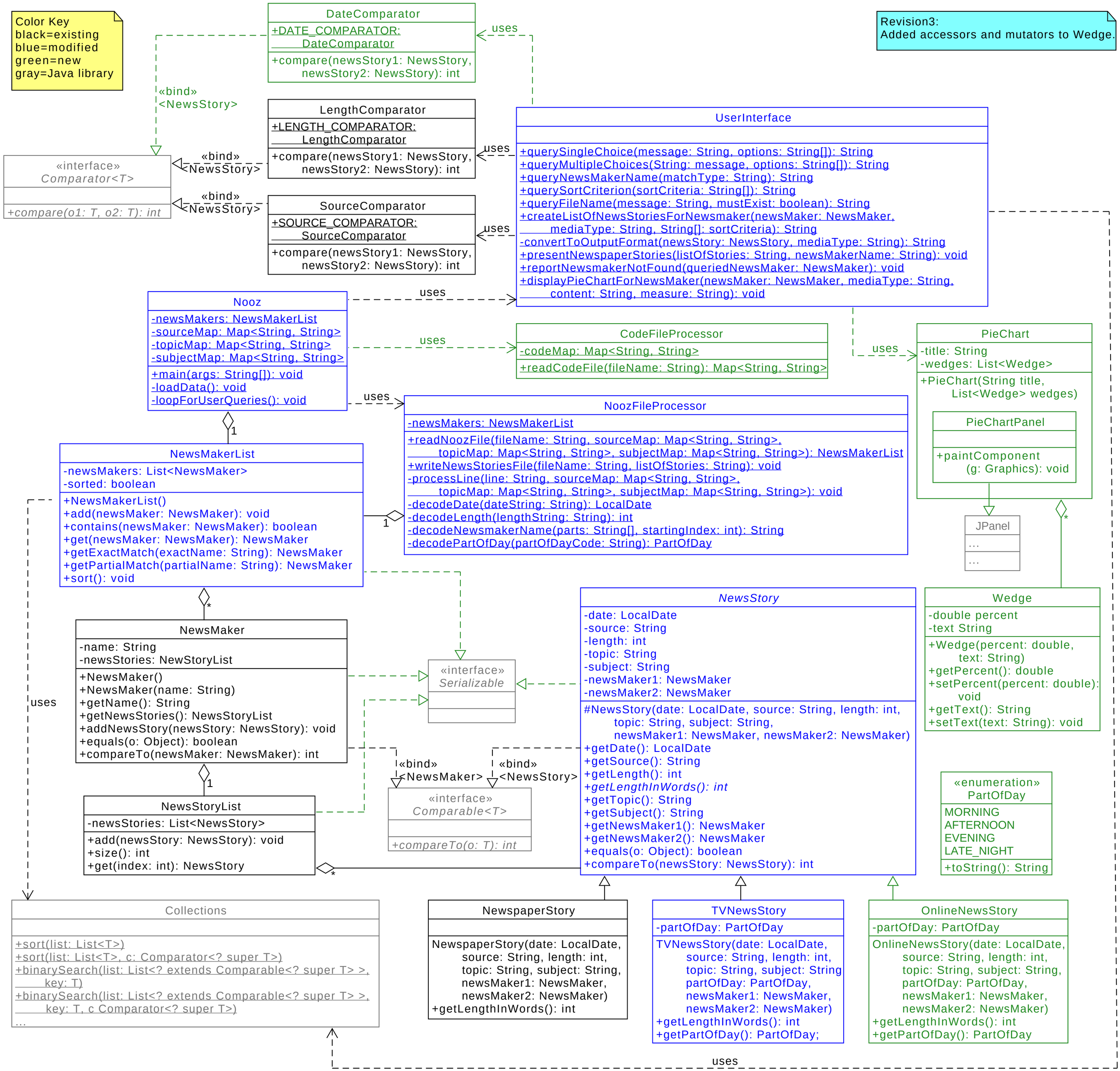
Color Key
black=existing
blue=modified
green=new
gray=Java library
Revision3:
Added accessors and mutators to Wedge.
DateComparator
+DATE_COMPARATOR: DateComparator
+compare(newsStory1: NewsStory, newsStory2: NewsStory): int
uses
«bind» <NewsStory>
LengthComparator
+LENGTH_COMPARATOR: LengthComparator
+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
+querySingleChoice(message: String, options: String[]): String
+queryMultipleChoices(String: message, options: String[]): String
+queryNewsMakerName(matchType: String): String
+querySortCriterion(sortCriteria: String[]): String
+queryFileName(message: String, mustExist: boolean): 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
+displayPieChartForNewsMaker(newsMaker: NewsMaker, mediaType: String, content: String, measure: String): void
uses
Nooz
-newsMakers: NewsMakerList
-sourceMap: Map<String, String>
-topicMap: Map<String, String>
-subjectMap: Map<String, String>
+main(args: String[]): void
-loadData(): void
-loopForUserQueries(): void
uses
CodeFileProcessor
-codeMap: Map<String, String>
+readCodeFile(fileName: String): Map<String, String>
uses
PieChart
-title: String
-wedges: List<Wedge>
+PieChart(String title, List<Wedge> wedges)
PieChartPanel
+paintComponent (g: Graphics): void
JPanel
...
...
uses
NoozFileProcessor
-newsMakers: NewsMakerList
+readNoozFile(fileName: String, sourceMap: Map<String, String>, topicMap: Map<String, String>, subjectMap: Map<String, String>): NewsMakerList
+writeNewsStoriesFile(fileName: String, listOfStories: String): void
-processLine(line: String, sourceMap: Map<String, String>, topicMap: Map<String, String>, subjectMap: Map<String, String>): void
-decodeDate(dateString: String): LocalDate
-decodeLength(lengthString: String): int
-decodeNewsmakerName(parts: String[], startingIndex: int): String
-decodePartOfDay(partOfDayCode: String): PartOfDay
1
NewsMakerList
-newsMakers: List<NewsMaker>
-sorted: boolean
+NewsMakerList()
+add(newsMaker: NewsMaker): void
+contains(newsMaker: NewsMaker): boolean
+get(newsMaker: NewsMaker): NewsMaker
+getExactMatch(exactName: String): NewsMaker
+getPartialMatch(partialName: String): NewsMaker
+sort(): void
1
*
uses
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
«interface» Serializable
NewsStory
-date: LocalDate
-source: String
-length: int
-topic: String
-subject: String
-newsMaker1: NewsMaker
-newsMaker2: NewsMaker
#NewsStory(date: LocalDate, source: String, length: int, topic: String, subject: String, newsMaker1: NewsMaker, newsMaker2: NewsMaker)
+getDate(): LocalDate
+getSource(): String
+getLength(): int
+getLengthInWords(): int
+getTopic(): String
+getSubject(): String
+getNewsMaker1(): NewsMaker
+getNewsMaker2(): NewsMaker
+equals(o: Object): boolean
+compareTo(newsStory: NewsStory): int
Wedge
-double percent
-text String
+Wedge(percent: double, text: String)
+getPercent(): double
+setPercent(percent: double): void
+getText(): String
+setText(text: String): void
1
NewsStoryList
-newsStories: List<NewsStory>
+add(newsStory: NewsStory): void
+size(): int
+get(index: int): NewsStory
*
«bind» <NewsMaker>
«bind» <NewsStory>
«interface» Comparable<T>
+compareTo(o: T): int
«enumeration» PartOfDay
MORNING
AFTERNOON
EVENING
LATE_NIGHT
+toString(): String
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, subject: String, newsMaker1: NewsMaker, newsMaker2: NewsMaker)
+getLengthInWords(): int
TVNewsStory
-partOfDay: PartOfDay
TVNewsStory(date: LocalDate, source: String, length: int, topic: String, subject: String partOfDay: PartOfDay, newsMaker1: NewsMaker, newsMaker2: NewsMaker)
+getLengthInWords(): int
+getPartOfDay(): PartOfDay;
OnlineNewsStory
-partOfDay: PartOfDay
OnlineNewsStory(date: LocalDate, source: String, length: int, topic: String, subject: String, partOfDay: PartOfDay, newsMaker1: NewsMaker, newsMaker2: NewsMaker)
+getLengthInWords(): int
+getPartOfDay(): PartOfDay
uses