

Paper
<div><div>-typeOfPaper : String</div><div>-authors : String</div><div>-titleOfPaper : String</div><div>-titleOfSerial : String</div><div>-numbers : String</div><div>-publicationDate : String</div><div>-digitalObjectIdentifier : String</div><div>-compareValue : int</div></div>
<div><div>+getTypeOfPaper() : String</div><div>+getAuthors() : ArrayList</div><div>+getTitleOfPaper() : String</div><div>+getTitleOfSerial() : String</div><div>+getPageNumber() : String</div><div>+getPublicationDate() : String</div><div>+getDigitalObjectIdentifier() : String</div><div>+compare(p1 : Paper, p2 : Paper) : int</div><div>+compareTo(p : Paper) : int</div><div>+getPaper() : String</div><div>+setCompareValue(value : int) : void</div><div>+Paper()</div><div>+Paper(typeOfPaper : String, authors : String, titleOfPaper : String, numbers : String, publicationDate : String, digitalObjectIdentifier : String)</div><div>+Paper(typeOfPaper : String, authors : String, titleOfPaper : String, numbers : String, publicationDate : String)</div></div>

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<div><div>+readFile(papers : PaperCollection) : void</div><div>+writeFile(output : String) : void</div><div>+getInput() : Sting</div></div>

PaperCollection
<div><div>-paperCollection : ArrayList<Paper></div><div>-compareValue : int</div></div>
<div><div>+PaperCollection()</div><div>+sort(receivedCase : String, paperCollection : PaperCollection)</div><div>+search(key : String) : int</div><div>+addPaper(typeOfPaper : String, authors : String, titleOfPaper : String, numbers : String, publicationDate : String, digitalObjectIdentifier : String) : void</div><div>+addPaper(typeOfPaper : String, authors : String, titleOfPaper : String, numbers : String, publicationDate : String) : void</div><div>+outputPapers() : String</div><div>+displayPaper(index : int) : String</div><div>+setCompareValues(value : int) : void</div><div>+returnCompareValue() : int</div></div>