Class Diagram for the PDF Reade

C Bookshelf

- ☐ String name
- ☐ List<Book> books
- ☐ DisplayMode displayMode

- ● void addBook(Book book)
- ● void removeBook(Book book)
- ● String getName()
- ● List<Book> getBooks()
- ● void switchDisplayMode(DisplayMode mode)
- ● Book findBook(String title)
- ● boolean removeBook(String title)

C Color

«enumeration»
RED
BLACK
BLUE

E AnnotationToolType

PEN
MARKER
ERASER
POST_IT_NOTE

E DisplayMode

VISUAL
LIST

C Book

- ☐ String title
- ☐ String author
- ☐ List<String> tags
- ☐ int totalPages
- ☐ int currentPage
- ☐ Map<Integer, Page> pageMap
- ☐ List<Bookmark> bookmarks

- ● String getTitle()
- ● void setTitle(String title)
- ● String getAuthor()
- ● void setAuthor(String author)
- ● String getContent(Page curPage)
- ● void nextPage()
- ● void prevPage()
- ● void addAnnotation(Scanner scanner)
- ● AnnotationTool addAnnotationToPage(int curPage, Scanner scanner)
- ● int jumptoPage(Scanner scanner)
- ● void removeAnnotation(Scanner scanner)
- ● void removeAnnotationFromPage(Page currentPageObj, Scanner scanner)
- ● int getPageNumber(String label)
- ● void addBookmark(int page, Scanner scanner)
- ● void goToBookmark(Scanner scanner)
- ● void editBookmark(Scanner scanner)
- ● void slideToPage(Scanner scanner)

C Page

- ☐ int pageNumber
- ☐ List<AnnotationTool> annotations

- ● int getPageNumber()
- ● List<AnnotationTool> getAnnotations()
- ● String getContent(int pageNumber)
- ● void addAnnotation(AnnotationTool annotation)
- ● void removeAnnotation(AnnotationTool annotation)

C Bookmark

- ☐ String title
- ☐ String label
- ☐ int pageNumber

- ● String getTitle()
- ● void setTitle(String title)
- ● String getLabel()
- ● void setLabel(String label)
- ● int getPageNumber()

C AnnotationTool

- ☐ AnnotationToolType type
- ☐ Color color
- ☐ Double strokeWidth
- ☐ String text

- ● String getText()
- ● AnnotationToolType getType()
- ● Color getColor()
- ● Double getStrokeWidth()