Functional Requirement	Class name	Method name
FR1: User management	ReadXSystem	userManagement
	ReadXController	createBasicUser
		createPremiumUser
		validateUserID
	Users (abstract parent class)	Users (Constructor for basic users)
		Users (constructor for premium users)
	BasicUser	BasicUser (constructor)
	PremiumUser	PremiumUser (constructor)
FR2: Bibliographic products management	ReadXSystem	bibliographicProductsManagement
		addBibliographicProduct
		deleteBibliographicProduct
		updateBibliographicProduct
	ReadXController	createBook
		createMagazine
		deleteBook
		deleteMagazine
		updateBookName
		updateBookPageNumber
		updateBookPublicationDate
		updateBookPrice
		updateBookBriefReview
		updateBookGenre
		updateMagazineName
		updateMagazinePageNumbe

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		updateMagazinePublication Date
		updateMagazinePrice
		updateMagazineFrequencyO fIssuance
		updateMagazineCategory
	BibliographicProducts (abstract parent class)	BibliographicProducts (constructor for books)
		BibliographicProducts (constructor for magazines)
		generateID (abstract method)
		getID (abstract getter)
		setID (abstract setter)
	Book	Book (Constructor)
		generateID (overwrite)
		getID (overwrite)
		setID (overwrite)
	Magazine	Magazine(Constructor)
		generateID (overwrite)
		getID (overwrite)
		setID (overwrite)
FR3: Object Generation (testing)	ReadXSystem	testingManagement
	ReadXController	initTest
FR4: Buy books and journal	ReadXSystem	buyBooksAndJournalSubscr iptions
	ReadXController	searchBookById
		searchMagazineById
		searchBookByName

			searchMagazineByName
subscriptions			buyProducts
	Users	searchIfUserHasBook (the user may not buy a book he already has)
		searchIfUserHasMagazine (the user may not buy a subscription he already has)
		buyBook
		buyMagazine
FR5: Reading session simulation	ReadXSystem	readingSimulation
	ReadXController	searchBookById
		searchMagazineById
		readProduct
		updateHighestPageNumber (pages of a book read by user)
		summatoryOfBookReadPages (summatory of all read pages by users of a book)
		summatoryOfMagazineReadPages (summatory of all read pages by users of a magazine)
	Users	searchIfUserHasBook (the user may not read a book he hasn't bought)
		searchIfUserHasMagazine (the user may not read a magazine he hasn't bought)
	<<Interface>> *Advertisable*	advertiserment1
		advertisement2
		advertisement3
	ReadXSystem	libraryPresentation

FR6: Library presentation	ReadXController	fillLibrary
		showUserLibrary
	Users	orderUserProductsByDate
		fillLibrary
		displayUserLibrary
	LibraryDisplay	fillDisplay
		libraryDisplay
FR7: Report Generation	ReadXSystem	reportGeneration
	ReadXController	reportOne
		reportTwo
		reportThree
		reportFour
		repoertFive
		summatoryOfAllBookReadPages
		summatoryOfAllMagazineReadPages
		summatoryOfReadPagesByGenre
		summatoryOfReadPagesByCategory
		boughtBooksByGenre
		boughtBooksByCategory
		bookRevenueByGenre
		bookRevenueByCategory