Functional Requeriment	Class name	Method name
FR1: Manage users, regular and premium	Class ReadXSystem	RegisterReader()
	Class ControllerLibrary	addReader(), checkIdReaders()
	Class Reader	Reader()
	Class Premium	Premium()
	Class Regular	Regular()
FR2: Manage bibliographicproducts	Class ReadXSystem	manageBibliographicProduct()
	Class ControllerLibrary	addBook(), addMagazine(), editBook(), editMagazine(), removeProducts()
	Class BibliographicProduct	BibliographicProduct(), set()
	Interface CreateID	createID()
	Class Book	Book(), set(), createID()
	Class Magazine	Magazine(), set(),createID()
FR3: Generate objects automatically	Class ReadXSystem	generateAutomaticProducts()
	Class ControllerLibrary	initBasicProducts()
	Class BibliographicProduct	BibliographicProduct()
	Interface CreateID	createID()
	Class Book	Book(),createID()
	Class Magazine	Magazine(),createID()
	Class Reader	Reader()
	Interface AddProduct	addBook(), addMagazine()
	Class Premium	Premium(),addBook(), addMagazine()
	Class Regular	Regular(),addBook(), addMagazine()
FR4: Consult bibliographicproducts by name	Class ReadXSystem	consultBibliographicProducts()
	Class ControllerLibrary	consultCodeBibliographicProducts()

	Class BibliographicProduct	getNameProduct(), getIdProduct()
FR5: Allow a user to buy abook	Class ReadXSystem	readerBuyBook()
	Class ControllerLibrary	agreggateBookToReader(), consultObjectReader(), consultObjectBibliographicProduct(),searchNumberBibliographicProduct(),searchNumberReader()
	Interface AddProduct	addBook()
	Class Reader	addAmountSales(), addBook()
FR6: Allow a user to subscribe to a magazine	Class ReadXSystem	aggregateMagazineOfReader()
	Class ControllerLibrary	agreggateMagazineToReader(), consultObjectReader(), consultObjectBibliographicProduct(),searchNumberBibliographicProduct(),searchNumberReader()
	Interface AddProduct	addMagazine()
	Class Reader	addMagazine(), addAmountSales()
FR7: Allow a user to unsubscribe from a magazine	Class ReadXSystem	cancelSubscriptionMagazineOfReader()
	Class ControllerLibrary	cancelMagazineOfReader(),consultObjectReader(), consultObjectBibliographicProduct(),searchNumberBibliographicProduct(),searchNumberReader()
	Interface AddProduct	removeProduct()
	Class Reader	removeProduct()
FR8: Present your library of bibliographic products to the user	Class ReadXSystem	presentLibraryReader()
	Class ControllerLibrary	consultObjectReader(),

		showLibraryUser(), enterProductsToTensorLibrary() getNumberMatrixOfLibrary(), getLibraryUser()
	Class Reader	returnBibliographicProductsByDate (), getNameReader(), getIdProduct()
FR9: Allow a user to simulate a read session	Class ReadXSystem	presentLibraryReader()
	Class ControllerLibrary	readingSession(),checkUserHaveAProduct(),consultObjectReader(), consultObjectBibliographicProduct(),searchNumberBibliographicProduct(),searchNumberReader(),addNumberPagesRead,
	Class Reader	checkUserHaveAProduct(), addNumberPagesRead(), caddAmountSessionPage(), decreaseAmountSesionPage(), getNumberPages(), getCurrentSessionPage(), getNameProduct(), getLastSessionPage()
FR10: Report the accumulated total number of pages read for each type of bibliographic product	Class ReadXSystem	generateReports()
	Class ControllerLibrary	amountReadPagesByProductType()
	Class BibliographicProduct	getAmountPagesRead()

FR11: Report the most read book genre and magazine category on the platform	Class ReadXSystem	generateReports()
	Class ControllerLibrary	genderAndCategoryMoreRead()
	Class BibliographicProduct	getAmountPagesRead(), getGender(), getCategory()
FR12: Report the Top 5 most read books and Top 5 most read magazines on the platform	Class ReadXSystem	generateReports()
	Class ControllerLibrary	topFiveBooksAndMagazinesMostRead()
	Class BibliographicProduct	getNameProduct(), getAmountPagesRead()

FR13: For each gender, report the number of books sold and the total value of sales	Class ReadXSystem	generateReports()
	Class ControllerLibrary	amountSoldBooksAndValueByGender()
	Class BibliographicProduct	getGender(), getValueProduct()
FR14: For each category, report the number of active subscriptions and the total value paid for subscriptions	Class ReadXSystem	generateReports()
	Class ControllerLibrary	amountSoldMagazinesAndValueByCategory()
	Class BibliographicProduct	getCategory(), getValueProduct()