Traceability table

Functional Requirement	Class Name	Method Name
FR0: Register users	ReadXSystem	registerUser()
	ReadX	registerUser()
	User	User()
	PremiumUser	PremiumUser()
	RegularUser	RegularUser()
FR1: Register books	ReadXSystem	registerProduct()
	ReadX	registerBook()
	BibliographicProduct	BibliographicProduct()
		generateId()
	Book	Book()
	enum Genre	generateId()
FR2: Register magazines	ReadXSystem	registerProducts()
	ReadX	registerMagazine()
	BibliographicProduct	BibliographicProduct()
		initSheets()
		generateId()
	Magazine	Magazine()
	enum Category	generateId()
FR3: Establish an initial state of the program	ReadXSystem	initReadX()
	ReadX	initReadX()
		registerMagazine()
		registerBook()
		registerUser()
	User	User()
	PremiumUser	PremiumUser()
	RegularUser	RegularUser()
	BibliographicProduct	BibliographicProduct()
		initSheets()
		generateId()
	Book	Book()
		generateId()
	Magazine	Magazine()
		generateId()
FR4: Modify bibliographic products	ReadXSystem	modifyProduct()
	ReadX	modifyProduct()
		findProductById()
	BibliographicProduct	*showAttributesToModify()*
	Book	showAttributesToModify()
	Magazine	showAttributesToModify()
FR5: Deleting bibliographic products	ReadXSystem	deleteProduct()
	ReadX	deleteProduct()
		findProductById()

FR6: Buying books	ReadXSystem	buyBook()
	ReadX	buyBook() findUserById() findBookByName()
	User	addProduct()
	Invoice	Invoice()
FR7: Subscribe to magazines	ReadXSystem	subscribeToAMagazine()
	ReadX	subscribeToAMagazine() findUserById() findProductByName()
	User	addProduct()
	Invoice	Invoice()
FR8: Cancel magazine subscriptions	ReadXSystem	unsubscribeOfAMagazine()
	ReadX	unsubscribeOfAMagazine() findUserById()
	User	unsubscribeOfAMagazine() findProductById()
FR9: Simulate reading session	ReadXSystem	readingSession()
	ReadX	displayAdvertising() findProductById() findUserById()
	User	findProductById()
	ReadingSession()	getCurrentPage() setCurrentPage()
FR10: Present Library of Bibliographic Products	ReadXSystem	library()
	ReadX	Library() findUserById()
	Library	getCurrenShelf() getShelfs() updateCurrenShelf() showShelf()
FR11: Generate reports	ReadXSystem	viewTotalPagesRead() viewMostReadGenreAndCategory() viewTop5() booksSoldByGenre() magazinesSoldByCategory()
	ReadX	viewTotalPagesRead() viewMostReadGenreAndCategory() viewTop5() booksSoldByGenre() magazinesSoldByCategory() bubbleSort()

Methods involved in all requirements:

Class Name	Method Name
ReadXSystem	menu() executeOption() validateIntegerInput()