

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() <i>generateId()</i>
	Book enum Genre	Book() <i>generateId()</i>
FR2: Register magazines	ReadXSystem	registerProducts()
	ReadX	registerMagazine()
	BibliographicProduct	BibliographicProduct() initSheets() <i>generateId()</i>
	Magazine enum Category	Magazine() <i>generateId()</i>
FR3: Establish an initial state of the program	ReadXSystem	initReadX()
	ReadX	initReadX() registerMagazine() registerBook() registerUser()
	User	User()
	PremiumUser	PremiumUser()
	RegularUser	RegularUser()
	BibliographicProduct	BibliographicProduct() initSheets() <i>generateId()</i>
	Book	Book() <i>generateId()</i>
	Magazine	Magazine() <i>generateId()</i>
FR4: Modify bibliographic products	ReadXSystem	modifyProduct()
	ReadX	modifyProduct() findProductById()
	BibliographicProduct	<i>showAttributesToModify()</i>
	Book	<i>showAttributesToModify()</i>
	Magazine	<i>showAttributesToModify()</i>
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()

Methods involved in all requirements:

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