Traceability table between analysis and design

Functional requirements	Class name	Method name
RF1. Register users, regular and premium.	Manager	createUser()
	Controller	createUser(int type, String name, String id)
	Controller	searchUser(String id)
	User	User(String name, String id)
RF2. Register bibliographic products.	Manager	createBP();
	Manager	createupdateBP(<u>int</u> type, int func, String id)
	Controller	showGenre(int i)
	Controller	showCategory(int i)
	Controller	createBP(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead,String review, int copiesSold, int genre) createBP(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead, int category, String periodicityEmission, int activeSubscriptions)
	Controller	searchBP(String id)
	Book or Magazine	Book(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead, String review, int copiesSold, int genre)
		Magazine(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead, int category, String periodicityEmission, int activeSubscriptions)
RF3. Allow modification of bibliographic products.	Manager	<u>updateBP();</u>
	Manager	createupdateBP(<u>int</u> type, int func, String id)
	Controller	showGenre(int i)
	Controller	showCategory(int i)
	Controller	updateBP(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead,String review, int copiesSold, int genre) updateBP(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead, int category, String periodicityEmission, int activeSubscriptions)
	Controller	searchBP(String id)
	BibliographicProduct	toString()
	BibliographicProduct	updateBP(String name, String url, int pages, Calendar publication, double value, int

		pagesRead, String review, int copiesSold, int genre) updateBP(String name, String url, int pages, Calendar publication, double value, int pagesRead, int category, String periodicityEmission, int activeSubscriptions)
RF4. Allow deletion of bibliographic products.	Manager	removeBP()
	Controller	removeBP(String id)
	Controller	searchBP(String id)
	Users	getId()
	Controller	cancelSuscription(String idUser, String idM)
RF5. Automatically create objects in the system for each user type and bibliographic product.	Controller	generateObjects()
	Controller	createUser(int type, String name, String id)
	Controller	searchUser(String id)
	User	User(String name, String id)
	Controller	createBP(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead,String review, int copiesSold, int genre) createBP(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead, int category, String periodicityEmission, int activeSubscriptions)
	Controller	searchBP(String id)
	Book or Magazine	Book(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead, String review, int copiesSold, int genre)
		Magazine(String id, String name, String url, int pages, Calendar publication, double value, int pagesRead, int category, String periodicityEmission, int activeSubscriptions)
	Controller	toString()
RF6. Allow a user to purchase a book or subscribe to a journal.	Manager	buyBP()
	Controller	buyBP(int type, String idUser, String idBP)
	Controller	searchUser(String id)
	Regular	canBuy(int type)
	Controller	searchBP(String id)
	Payment	Payment(String typeBP, String subtype,double pay)
	User	buyBP(Payment newP, BibliographicProduct newBP)
RF7. Allow a user to	Manager	cancelSuscription(String idUser)
	Controller	cancelSuscription(String idUser, String idM)
	Controller	searchUser(String id)

unsubscribe from a journal.	User	cancelSuscription(String idM)
RF8. Allow a user to simulate a reading session (regular and premium).	Manager	simulateReadingSession(String idUser)
	Manager	simulateReadingSession(int page, String idBP, String idUser)
	Controller	simulateReadingSession(int page, String idBP, String idUser)
	Controller	searchUser(String id)
	Controller	searchBP(String id)
	BibliographicProduct	getPages()
	BibliographicProduct	simulateReadingSession(int page)
	Controller	showAdd(String idUser)
	Controller	showAdd()
RF9. Present the user with your Library of Bibliographic Products.	Manager	goToMyLibrary(String idUser)
	Controller	String goToMyLibrary(String idUser, int page)
	Controller	searchUser(String id)
	User	generateLibrary
	User	orderBP
	BibliographicProduct	getPublication()
	Controller	goToSimulation(String idUser, String input, int page)
	Controller	searchBP(String id)
RF10. Generate real-time reports.	Manager	generateReports()
	Controller	totalPagesRead()
	BibliographicProduct	getPagesRead()
	Controller	totalPagesReadGenreCategory()
	Book	getGenre()
	Magazine	getCategory
	Controller	top5(int typeBP)
	BibliographicProduct	getName()
	Controller	bookCopiesSold
	Book	getCopiesSold()
	Controller	totalSalesSuscription(int opt)
	User	getPayments()
	Payment	getPay
	Payment	getTypeBP
	Payment	getSubtype
	Controller	magazineSuscriptionActive()