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| **Functional Requirement** | **Class name** | **Method name** |
| FR1: User registration. | Main class | registerUser() |
| ReadXSystem class | registerUser() |
| UserPremium class | UserPremium() |
| UserStandard class | UserStandard() |
| FR2: Registration of bibliographic products. | Main class | registerProduct() |
| ReadXSystem class | registerProduct() |
| registerProduct() |
| Book class | Book() |
| Magazine class | Magazine() |
| FR3: Elimination of bibliographic products. | Main class | deleteProduct() |
| ReadXSystem class | getProductsInfo() |
| deleteProduct() |
| searchProductById() |
| Product class | getName() |
| getId() |
| FR4: Modification of bibliographic products. | Main class | modifyProduct() |
| ReadXSystem class | modifyProduct() |
| getProductsInfo() |
| searchProductById() |
| getFullProductInfo() |
| Product class | set(..\*) |
| Book class | set(..\*) |
| Magazine class | set(..\*) |
| FR5: Purchase of products. | Main class | purchaseProduct() |
| ReadXSystem class | getProductsInfo() |
| getUserInfo() |
| addProductToCart() |
| purchaseCart() |
| searchProductById() |
| searchUserById() |
| User class | addProductToCart() |
| generateBill() |
| UserPremium class | addProducts() |
| UserStandard class | addProducts() |
| verifyPurchasingCapacity() |
| countAmountOfProduct() |
| FR6: Cancel magazine subscription | Main class | cancelMagazineSubscription() |
| ReadXSystem Class | cancelMagazineSubscription() |
| User Class | cancelMagazineSubscription() |
| FR7: Simulation of reading session. | Main class | initReadingSession() |
| ReadXSystem class | getProductsInfo() |
| getUsersInfo() |
| searchProductById() |
| initReadingSession() |
| User class | initReadingSession() |
| searchReadingSessionByProduct() |
| ReadingSession class | nextPage() |
| previousPage() |
| toString() |
| FR8: Show user’s library . | Main class | showLibrary() |
| ReadxSystem Class | getLibrary |
| navigateLibrary() |
| Library Class | ToString() |
| nextPage() |
| previousPage() |
| updateProducts() |
| arraylistToMatrix() |
| matrixToString |
| sortProductsByDate() |
| FR9: Generate reports. | Main class | generateReports() |
| ReadXSystem class | getReportOfTotalPagesReadAmount() |
| getReportOfTheMostGenreAndCategoryRead() |
| getTop5BooksAndTop5MagazinesMostRead() |
| getReportOfBooksSoldAmountPerGenre() |
| getReportOfSubscriptionsActivesAmountInMagazines() |
| Product class | get(\*) |