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| **REQUERIMIENTO FUNCIONAL** | **NOMBRE DE LA CLASE** | **NOMBRE DEL MÉTODO** |
| RF0- Registrar libros | Main | * registerBibliographicProduct() * validateInteger() * readDate() * validateDouble * validateOptionInputByRange() |
| ReadXSystems | * addBook() * generateHexIdentifier |
| Book | * Book() |
| RF1- Registrar revistas. | Main | * registerBibliographicProduct() * validateInteger() * readDate() * validateDouble * validateOptionInputByRange() |
| ReadXSystems | * addMagazine() * generateAlphaIdentifier() |
| Magazine | * Magazine() |
| RF2- Modificar libros | Main | * modifyBibliographicProductInfo() * validateInteger() * readDate() * validateDouble * validateOptionInputByRange() |
| ReadXSystems | * searchUserArrayPosition() * checkProductType() * getProductByPoistion * getProductCastedBook() * modifyBookInfo() |
| BibliographicProduct | * getName() * getNumPages() * getURL() * getPrice() * setName() * setNumPages() * setURL() * setPrice() |
| Books | * getReview() * getGenre() * setReview() * setGenre() |
| RF3- Modificar revistas. | Main | * modifyBibliographicProductInfo() * validateInteger() * readDate() * validateDouble * validateOptionInputByRange() |
| ReadXSystems | * searchUserArrayPosition() * checkProductType() * getProductByPoistion * getProductCastedMagazine() * modifyMagazineInfo() |
| BibliographicProduct | * getName() * getNumPages() * getURL() * getPrice() * setName() * setNumPages() * setURL() * setPrice() |
| Magazine | * getPeriodicity() * getCategory() * setPeriodicity() * setCategory() |
| RF4- Borrar productos bibliográficos. | Main | * elimanteBibliographicProduct() |
| ReadXSystems | * searchBibliographicProductByID() * elimanteBibliographicProductFromSystem() |
| User | * searchTransactionByProduct() |
| Transaction | * getPurchasedProductt() |
| IBuy | * eliminateBook * cancelMagazineSubscription() |
| RF5- Registrar usuarios, regulares y premium. | Main | * registerUser() * validateOptionInputByRange() |
| ReadXSystems | * isCCAlreadyRegistered() * addRegularUser() * addPremiumUser() * getCurrentDate() |
| Regular | * Regular() |
| Premium | * Premium() |
| RF6- Permitir a un usuario comprar un libro y suscribirse a una revista. | Main | * makeTransaction() * validateDouble() |
| ReadXSystems | * checkUserType() * checkProductType() * addBibliographicProductToUser() * searchBibliographicProductyByID() * searchUserByCC() * getCurrentDate() |
| BibliographicProduct | * getPrice() * getSoldCopies() * setSoldCopies() |
| Transaction | * Transaction() |
| IBuy | * purchaseBook() * suscribeMagazine() |
| User | * addBibliographicProduct() * addTransaction() * addPagesRead() * addTransaction() * isProductAlreadyPurchased |
| Regular | * countBooks() * countMagazines() |
| RF7- Permitir a un usuario cancelar la suscripción de una revista. | Main | * cancelMagazineSubscription() |
| ReadXSystems | * checkUserType() * checkProductType * eliminateMagazineFromUser() * searchBibliographicProductByID() * searchUserByCC() |
| Magazine | * getSoldCopies() * setSoldCopies() |
| IBuy | * cancelMagazineSubscription() |
| User | * searchTransactionByProduct() * isProductAlreadyPurchased() |
| RF8- Presentar al usuario su Biblioteca de Productos Bibliográficos | Main | * navigateUsersLibrary() * validateOptionInputByRange() |
| ReadXSystems | * searchUserArrayPosition() * showUserslibrary() * initLibrary() |
| User | * getOwnedProducts() |
| BibliographicProduct | * getID() |
| RF9- Permitir a un usuario simular una sesión de lectura. | Main | * navigateUsersLibrary() * simulateReadingSessionByID() |
| ReadXSystems | * searchUserArrayPosition() * showUsersLibrary() * getProductPositionByCordinates() * changePage() * getAdvertisement() |
| User | * getOwnedProducts() * getPagesRead() |
| BibliographicProduct | * getID() * getName() * getPagesRead() * getNumPages() * setReadPages() |
| Advertisable | * getAdvertisement() |
| RF10- Generar automáticamente objetos en el sistema para cada tipo de usuario y producto bibliográfico. | Main | * initTest() |
| ReadXSystems | * initModel() * generateHexIdentifier() * generateAlphaIdentifier() * getCurrentDate() |
| BibliographicProduct | * getPrice() * getID() * addPagesRead() * addTransaction() * setSoldCopies() * getSoldCopies() |
| Book | * Book() |
| Magazine | * Magazine() |
| User | * getCC() * getOwnedProducts() |
| Regular | * Regular() * countBooks() * countMagazines() |
| Premium | * Premium() |
| IBuy | * purchaseBook() * suscribeMagazine() |
| Transaction | * Transaction() |
| RF11- Generar informes con los datos registrados | Main | * GenerateReport() * validateOptionInputByRange() |
| ReadXSystems | * getTotalPagesReadByType() * getMostReadGenreAndCategory() * getTop5BookList() * getTop5MagazinesList() * informSalesByGenre() * informSalesByCategory() |
| BibliographicProduct | * getReadPages() * getName() * getPrice() * getSoldCopies() |
| Regular | * getGenre() * getGenreString |
| Premium | * getCategory() * getCategoryString() |