|  |  |  |
| --- | --- | --- |
| **Functional Requeriment** | **Class name** | **Method name** |
| FR1: Manage users, regular and premium | Class ReadXSystem | RegisterReader() |
| Class ControllerLibrary | addReader(), checkIdReaders() |
| Class Reader | Reader() |
| Class Premium | Premium() |
|  | Class Regular | Regular() |
| FR2: Manage bibliographic products | Class ReadXSystem | manageBibliographicProduct() |
|  | Class ControllerLibrary | addBook(), addMagazine(), editBook(), editMagazine(), removeProducts() |
|  | Class BibliographicProduct | BibliographicProduct(), set() |
|  | Class Book | Book(), set() |
|  | Class Magazine | Magazine(), set() |
| FR3: Generate objects automatically | Class ReadXSystem | generateAutomaticProducts() |
|  | Class ControllerLibrary | initBasicProducts() |
|  | Class BibliographicProduct | BibliographicProduct() |
|  | Class Book | Book() |
|  | Class Magazine | Magazine() |
|  | Class Reader | Reader() |
|  | Class Premium | Premium() |
|  | Class Regular | Regular() |
| FR4: Consult bibliographic products by name | Class ReadXSystem | consultBibliographicProducts() |
|  | Class ControllerLibrary | consultCodeBibliographicProdu cts() |
|  | Class BibliographicProduct | getNameProduct(), getIdProduct() |
| FR5: Allow a user to buy a book | Class ReadXSystem | readerBuyBook() |

|  |  |  |
| --- | --- | --- |
|  | Class ControllerLibrary | agreggateBookToReader(), consultObjectReader(), consultObjectBibliographicProd uct(),searchNumberBibliographi cProduct(),searchNumberReade r() |
|  | Class Reader | addBook(), addAmountSales() |
| FR6: Allow a user to subscribe to a magazine | Class ReadXSystem | aggregateMagazineOfReader() |
|  | Class ControllerLibrary | agreggateMagazineToReader(), consultObjectReader(), consultObjectBibliographicProd uct(),searchNumberBibliographi cProduct(),searchNumberReade r() |
|  | Class Reader | addMagazine(), addAmountSales() |
| FR7: Allow a user to unsubscribe from a magazine | Class ReadXSystem | cancelSubscriptionMagazineOf Reader() |
|  | Class ControllerLibrary | cancelMagazineOfReader(),con sultObjectReader(), consultObjectBibliographicProd uct(),searchNumberBibliographi cProduct(),searchNumberReade r() |
|  | Class Reader | removeProduct() |
| FR8: Allow a user to simulate a read session | Class ReadXSystem | presentLibraryReader() |
|  | Class ControllerLibrary | readingSession(),checkUserHav eAProduct(),consultObjectRead er(), consultObjectBibliographicProd uct(),searchNumberBibliographi cProduct(),searchNumberReade r(),addNumberPagesRead, |
|  | Class Reader | checkUserHaveAProduct(), addNumberPagesRead(), caddAmountSessionPage(), decreaseAmountSesionPage(), getNumberPages(), getCurrentSessionPage(), getNameProduct(), getLastSessionPage() |