| **Functional Requirement** | **Class name** | **Method Name** |
| --- | --- | --- |
| FunctReq001  Register User | User Class | setLinkDate() |
| User Class | User() |
| Regular User Class | RegularUser() |
| Premium User Class | PremiumUser() |
| Read Controller Class | registUser() |
| Main Class | executeOption() |
| Main Class | registerNewUser() |
| FunctReq002  Register New Product | Book Class | Book() |
| Magazine Class | Magazine() |
| Bibliiographic Product Class | generateUniqueId(); |
| Bibliographic Product Class | BibliographicProduct() |
| Read Controller Class | registBiblioProduct() |
| Read Controller Class | registBiblioProduct() |
| Main Class | executeOption() |
| Main Class | registerNewProduct() |
| FunctReq 003  Update Products | Bibliographic Product Class | setProductPages |
| Bibliographic Product Class | setProductName |
| Bibliographic Product Class | setProductPrice() |
| Read Controller Class | modifyProductPages() |
| Read Controller Class | modifyProductPrice() |
| Read Controller Class | modifyProductName() |
| Main Class | executeOption() |
| Main Class | modifyProduct() |
| FunctReq 004  Delete Products | Read Controller Class | deleteProduct() |
| Main Class | executeOption() |
| Main Class | deleteProduct() |
| FunctReq 005  Generate objects for each type of user and product. | Read Controller Class | testCase() |
| Read Controller Class | ReadController() |
| Main Class | executeOption |
| Main Class | Main() |
| FunctReq006  Buy a book | Bibliographic Product Class | getProductName() |
| User Class | getUserName() |
| User Class | addProduct() |
| Regular User Class | addProduct() |
| Premium User Class | addProduct() |
| Book Class | setCopiesSold() |
| Read Controller Class | buyBook() |
| Main Class | executeOption() |
| Main Class | buyBook() |
| FunctReq007  Subscribe to Magazines | Bibliographic Product Class | getProductName() |
| User Class | addProduct() |
| Bibliographic Product Class | getProductName() |
| Regular User Class | addProduct() |
| Premium User Class | addProduct() |
| Magazine Class | setActiveSubscriptions() |
| Read Controller Class | buyMagazine() |
| Main Class | subscribeMagazine() |
| Main Class | executeOption() |
| User Class | getUserName() |
| FunctReq008  Simulate Lecture Session | Bibliographic Product Class | getProductName() |
| Bibliographic Product Class | getBookPages() |
| Bibliographic Product Class | getUniqueId() |
| Read Controller Class | returnProductName() |
| Read Controller Class | returnBookPages() |
| Main Class | executeOption() |
| Main Class | lectureSession() |