**Database/Bean:**

|  |  |  |
| --- | --- | --- |
| **Books** | **Employees** | **IssuedBooks** |
| Book\_ID | Employee\_ID | Employee\_ID |
| Book\_Name | Employee\_Name | Book\_ID |
| Book\_Type | Phone\_Number | Issue\_DateTime |
| Author\_Name | isAdmin | Return\_DateTime |
| Original\_Qty | Password | Late\_Fees |
| Qty\_Left | Book\_Limit |  |

**Persistence:**

|  |  |  |
| --- | --- | --- |
| addBook() | addEmployee() | issueBook() |
| removeBook() | removeEmployee() | returnBook() |
| searchBook() | searchEmployee() |  |
| getAllBooks() | getAllEmployees() |  |

**Service:**

|  |  |  |
| --- | --- | --- |
| addBook() | addEmployee() | issueBook() |
| removeBook() | removeEmployee() | returnBook() |
| searchBook() | searchEmployee() | calcLateFees() |
| getAllBooks() | getAllEmployees() |  |

**Presentation:**

|  |
| --- |
| showMenu(isAdmin) |
| performMenu(isAdmin) |

**Login**

**Client**