Front

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| --- | --- | --- | --- |
| **Class name:** LibrarianController | **ID:**1 | | **Type:** Concrete, Domain |
| **Description:** | | **Association Use Case:** | |
| This class provides librarian to save and edit data of memberships, paper book, and e-book. It also can help librarian search book information and provide book service. | | Manage Paper Book  Manage E-Book  Manage Member  Borrow Book  Return Book  Search Book | |
| **Responsibilities:** | | **Collaborators:** | |
| addMemberButtonClick | | PaperBook | |
| addEbookButtonClick | | Ebook | |
| addBookButtonClick | | Member | |
| editMemberButtonClick | | LibrarianGUI | |
| editEbookButtonClick | | SendEmail | |
| editBookButtonClick | | LibraryDBMgr | |
| deleteMemberButtonClick | | Search | |
| deleteEbookButtonClick | |  | |
| searchBookButtonClick | |  | |
| borrowBookButtonClick | |  | |
| returnBookButtonClick | |  | |
| updatePaperBookStateButtonClick | |  | |

Back

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes: | | | | |
| addMemberButton | | (1..1) | (Button) |  |
| addEbookButton | | (1..1) | (Button) |  |
| addBookButton | | (1..1) | (Button) |  |
| editMemberButton | | (1..1) | (Button) |  |
| editEbookButton | | (1..1) | (Button) |  |
| editBookButton | | (1..1) | (Button) |  |
| deleteMemberButton | | (1..1) | (Button) |  |
| deleteEbookButton | | (1..1) | (Button) |  |
| searchBookButton | | (1..1) | (Button) |  |
| borrowBookButton | | (1..1) | (Button) |  |
| returnBookButton | | (1..1) | (Button) |  |
| updatePaperBookStateButton | | (1..1) | (Button) |  |
| f | | (0..1) | (File) | {f = (File) Actionevent.getNewValue()} |
| Relationships: |  | | | |
| Generalization(a-kind-of): |  | | | |
| Aggregation(has-parts): | | | | |
|  | | | | |
| Other Associations: | | | | |
| Manage Paper Book  Manage E-Book  Manage Member  Borrow Book  Return Book  Search Book | | | | |

**Text File**

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| --- |
| LibrarianController class invariants:  f = (File) Actionevent.getNewValue() |