**SPECIFICATION USE CASE FOR COURSE REGISTRATION FUNCTION**

|  |  |  |  |
| --- | --- | --- | --- |
| Use case code | UCREB | Use case name | Registration Existing Book |
| Actor | Librarian | | |
| Prerequisites | Librarian logins successfully | | |
| Success/Main flow of event | |  |  |  | | --- | --- | --- | | **#** | **Doer** | **Action** | | 1 | Library Management System | Display interface of registration an existing book | | 2 | Librarian | Fill out the book number | | 3 | Library Management System | Check book number | | 4 | Librarian | Fill out number of new copies | | 5 | Librarian | Fill out Type of Copy | | 6 | Librarian | Fill out Price of Copy | | 7 | Library Management System | Generate Copy Number | | 8 | Librarian | Edit Price and/or Type for each copy | | 9 | Library Management System | Confirm and store book data in database | | 10 | Library Management System | Prompt Editing Price and/or Type for each copy | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | **#** | **Doer** | **Action** | |  | Librarian | Can cancel register or restart any time | | 3a | Library Management System | Notify that no book with input number exists | | 10a1 | Library Management System | Choose which field(s) to edit and Edit | | 10a2 | Library Management System | Confirm and Update edited book data in database | | | |
| Post-conditon | Don’t have any | | |

\* Input data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Data field** | **Description** | **Mandatory** | **Condition** | **Example** |
|  | Book Number | A series of number unique to each book | Yes |  | XX0023 |
|  | Number of Copies | Numbers of copies of the registering book | Yes |  | 2 |
|  | Type of Copy | Indication of the type of copies of the book being registered. Reference of Borrowable | Yes |  | Reference |
|  | Price | Price of the Copy | Yes |  | $320 |

\*\* Data output:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Data field** | **Description** | **Format** | **Example** |
|  |  |  |  |  |

- There is not output data, just notify the messages from system