|  |  |  |
| --- | --- | --- |
| D:\Aptech - FPT\semester 2\eProject\documentation\LogoAptech.png | D:\Aptech - FPT\semester 2\eProject\documentation\LogoAptech.png | D:\Aptech - FPT\semester 2\eProject\documentation\LogoAptech.png |

Center Name: ACE-HCMC-2-FPT (VN.033).

Address: 590 Cach Mang Thang 8 Street, District 3, Ho Chi Minh City, Vietnam.



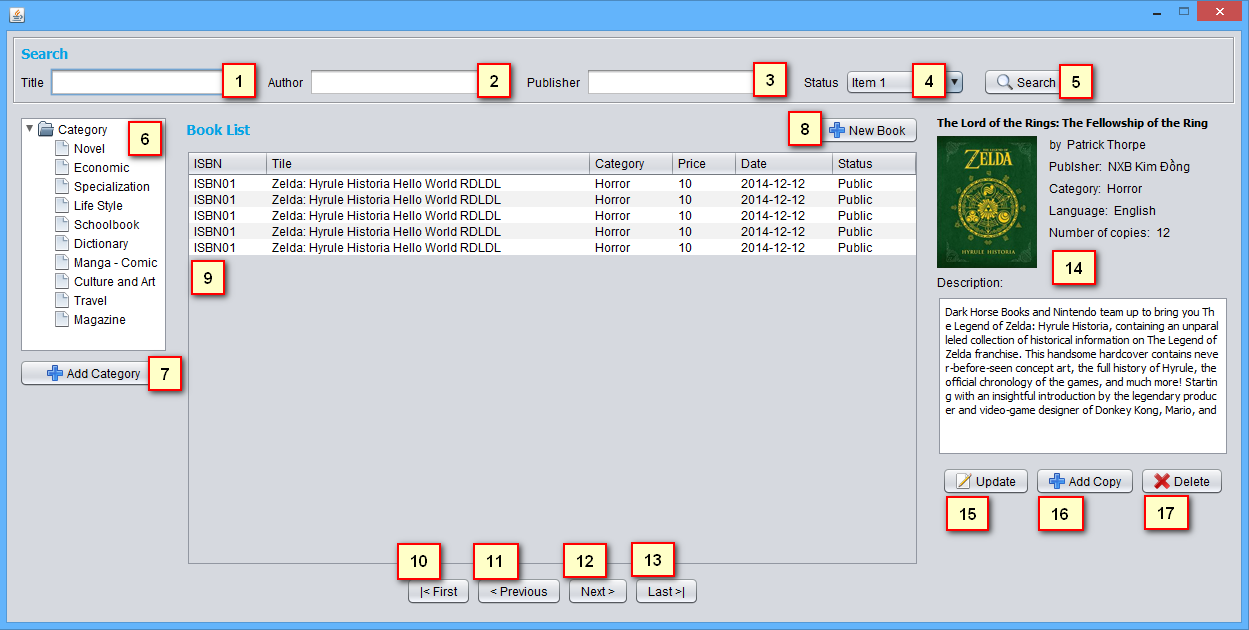
**LOAN PROCESSING SYSTEM**

**Design Document**

|  |  |  |  |
| --- | --- | --- | --- |
| **Faculty:** |  | **Ms. Dao Ngoc Anh** |  |
| **Batch No:** |  | **F21405-T0** |  |
| **Group No.:** |  | **3** |  |
| **Students:** |  | **Fullname** | **Roll No.** |
|  | 1. | Hứa Trần Hữu Trung | Student812912 |
|  | 2. | Tô Thành Đạt | Student813016 |
|  | 3. | Trà | student740223 |
|  |

**Dec, 2014**

## Book List



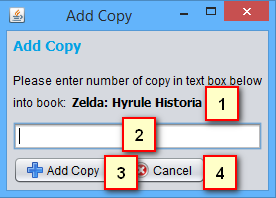
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item** | **Type** | **Validation** | **Description** |
| 1 | Title | Text Field |  | Book Title for filter |
| 2 | Author | Text Field |  | Book Author for filter |
| 3 | Publisher | Text Field |  | Book Publisher for filter |
| 4 | Status | Text Field |  | Book Status for filter |
| 5 | Search Button | Button |  | Display search result at list Book below |
| 6 | Category list | Tree |  | Display all Category of Book |
| 7 | Add Category | Button |  | Load Add Category Form (admin Role only) |
| 8 | New Book | Button |  | Load Add Book Form |
| 9 | Book List | Table |  | Display list of Book |
| 10 | First | Button |  | Go to the First Page |
| 11 | Previous | Button |  | Go to Previous Page |
| 12 | Next | Button |  | Go to Next Page |
| 13 | Last | Button |  | Go to Last Page |
| 14 | Display Book Detail Info |  |  | Display detail of a Book: Title, Image, Author, Category, Publisher, Number of copies, Description |
| 15 | Update | Button |  | Load Update Form |
| 16 | Add Copy | Button |  | Load Copy List Form |
| 17 | Delete | Button |  | Delete a Book (Update isDelete field) |

\* Note:

- If current page is first page, First button and Previous button is disabled

- If current page is last page, Last button and Next button is disabled

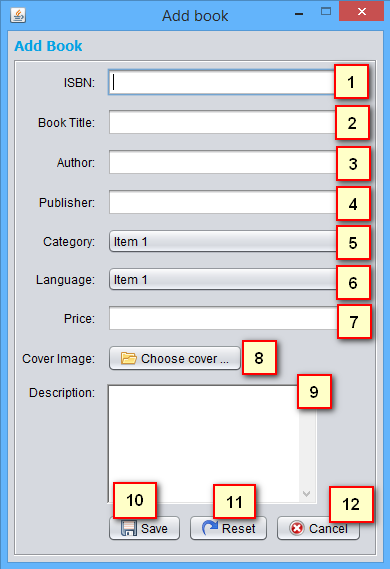
## Add Copy



**1**

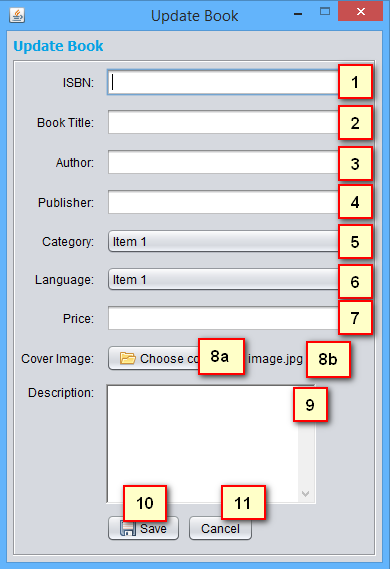
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item** | **Type** | **Validation** | **Description** |
| 1 | Book Title | Label |  | Book Title |
| 2 | Number of Copy | Text Field | Not null, >0, int | Input number of copy |
| 3 | Add Copy | Button |  | Insert n records copy to database |
| 4 | Cancel | Button |  | Close form |

## Add Book



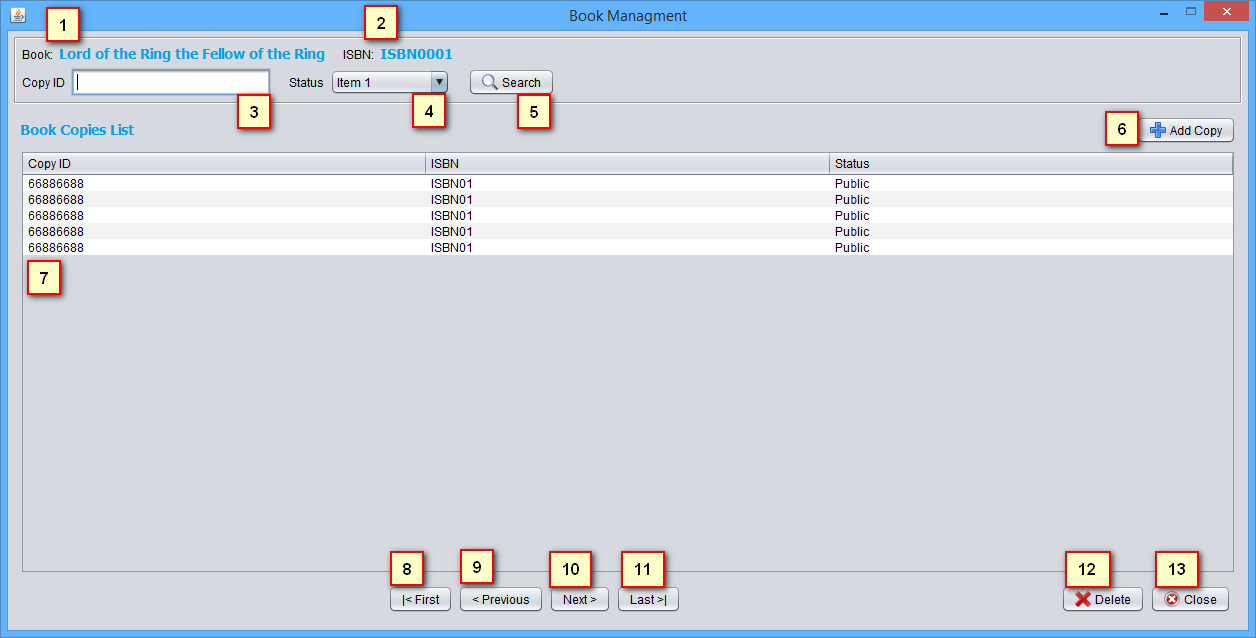
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item** | **Type** | **Validation** | **Description** |
| 1 | ISBN | Text Field | Not null, format |  |
| 2 | Book Title | Text Field | Not null, max 50 |  |
| 3 | Author | Text Field | Not null, max 50 |  |
| 4 | Publisher | Text Field | Not null, max 50 |  |
| 5 | Category |  | Not null |  |
| 6 | Language |  | Not null |  |
| 7 | Price | Text Field | Not null, >=0 |  |
| 8 | Cover image | Button |  |  |
| 9 | Description | Text Area |  |  |
| 10 | Save | Button |  | Insert a new book record to DB |
| 11 | Reset | Button |  | Reset form |
| 12 | Cancel | Button |  | Close form |

## Update Book



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item** | **Type** | **Validation** | **Description** |
| 1 | ISBN | Text Field | Not null, format |  |
| 2 | Book Title | Text Field | Not null, max 50 |  |
| 3 | Author | Text Field | Not null, max 50 |  |
| 4 | Publisher | Text Field | Not null, max 50 |  |
| 5 | Category |  | Not null |  |
| 6 | Language |  | Not null |  |
| 7 | Price | Text Field | Not null, >=0 |  |
| 8a | Cover image | Button |  |  |
| 8b | Filename | Label |  | Display current cover file name |
| 9 | Description | Text Area |  |  |
| 10 | Save | Button |  | Update book record to DB |
| 11 | Cancel | Button |  | Close form |

## Copies List



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Item** | **Type** | **Validation** | **Description** |
| 1 | Book Title | Label |  | Display current book Title |
| 2 | Book ISBN | Label |  | Display current book ISBN |
| 3 | CopyID | Text Field |  | Copy ID for filter |
| 4 | Status | Combo box |  | Copy Status for filter |
| 5 | Search button | Button |  | Display search result at Copy list below |
| 6 | Add Copy button | Button |  | Load Add Copy form |
| 7 | Copy list | Table |  | Display list copy of current Book |
| 8 | First | Button |  | Go to the First Page |
| 9 | Previous | Button |  | Go to Previous Page |
| 10 | Next | Button |  | Go to Next Page |
| 11 | Last | Button |  | Go to Last Page |
| 12 | Delete button | Button |  | Delete selected copy |
| 13 | Close | Button |  | Close Form |

\* Note:

- If current page is first page, First button and Previous button is disabled

- If current page is last page, Last button and Next button is disabled