Register to Borrow Use Case Specification

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| --- | --- | --- | --- |
| **Use case code** |  | **Use case name** | Register to Borrow |
| **Actor** | Borrower | | |
| **Pre-condition** | No | | |
| **Main flow (Success)** | |  |  |  | | --- | --- | --- | | **#** | **Doer** | **Action** | |  | Borrower | Choose Borrow Book function | |  | System | Show interface for browsing catalog | |  | Borrower | Select catalog | |  | Borrower | Select books | |  | System | Check if borrower card valid | |  | System | Check if borrower has overdue unreturned books | |  | System | Check if there is any copy available | | 8. | System | Confirm and notify borrower | | | |
| **Alternative flow** | |  |  |  | | --- | --- | --- | | **#** | **Doer** | **Action** | | 5a,6a,7a. | System | Notify error to borrower and show interface for browsing catalog | | | |
| **Post condition** | No | | |

\*Input data for Register to Borrow

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data Item | Description | Mandatory | Condition | Example |
| 1 | Catalog | Catalog of the book | Yes |  |  |
| 2 | Book Name | Name of the book | Yes |  | General Physics |

\*Output data for Register to Borrow

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data Item | Description | Format | Example |
| 1 | Borrower Name | Name of the borrower | String | Nguyen Huy |
| 2 | Copy Number | Number of the copy of the same book | Number | 2 |
| 3 | Book Title | Title of the book | String | General Physics |
| 4 | Borrowed Data | The date when the copy is borrowed | Data (DD/MM/YYYY) | 20-11-2016 |