

University of Maryland Global Campus

Library Management System (LMS)

Interface Control Document

CMSC 495 7380

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Version 1.5

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Revision History

REVISION	DATE	DESCRIPTION	Author
1.0	4/12/2023	Initial Document Creation	Ben Kus
1.1	4/13/2023	Data between Login / Logout UI Subsystem and System UI Subsystem Table	Ben Ramos
1.2	4/14/2023	Data between Database Subsystem and System UI Subsystem Table	Brandon Durham
1.3	4/14/2023	Data between Administrator Subsystem and Login / Logout UI Subsystem Table	Ben Kus
1.4	4/15/2023	Revisions to Types in Tables	Ben Ramos
1.5	4/16/2023	Revisions to Value Range, Default Value, and finalizing document	Ben Ramos Brandon Durham Ben Kus

Data between Administrator Subsystem and Login / Logout UI Subsystem:

From	To	Name	Type	Value Range	Default Value
Administrator Subsystem	Login / Logout UI Subsystem	UsernameLogin	String	"Any String Minimum of 5 Characters Maximum of 30 Characters"	"Blank String"
Administrator Subsystem	Login / Logout UI Subsystem	PasswordLogin	String	"Any String Minimum of 5 Characters Maximum of 30 Characters"	"Blank String"
Administrator Subsystem	Login / Logout UI Subsystem	Logout	Boolean	True False	False
Login / Logout UI Subsystem	Administrator Subsystem	FailedLogin	String	"Username or Password Failed to Login"	"Username or Password Failed to Login"

Data between Login / Logout UI Subsystem and System UI Subsystem:

From	To	Name	Type	Value Range	Default Value
Login / Logout UI Subsystem	System UI Subsystem	SuccessfulLogin	Boolean	True False	False
System UI Subsystem	Login / Logout UI Subsystem	LogoutConfirmation	String	"Are you sure you want to Logout?"	"Are you sure you want to Logout?"

Data between System UI Subsystem and Search Book Subsystem:

From	To	Name	Type	Value Range	Default Value
System UI Subsystem	Search Book Subsystem	SearchBookButton	Boolean	True False	False

Data between System UI Subsystem and Checkout Book Subsystem:

From	To	Name	Type	Value Range	Default Value
System UI Subsystem	Checkout Book Subsystem	CheckoutBookButton	Boolean	True False	False

Data between System UI Subsystem and Add/Remove Book Subsystem:

From	To	Name	Type	Value Range	Default Value
System UI Subsystem	Add/Remove Book Subsystem	AddBookButton	Boolean	True False	False
System UI Subsystem	Add/Remove Book Subsystem	RemoveBookButton	Boolean	True False	False

Data between Search Book Subsystem and Database Subsystem:

From	To	Name	Type	Value Range	Default Value
Search Book Subsystem	Database Subsystem	SearchBookInput	String, or String,	"Any String Any Length", "Any String Any Length"	"Blank String", "Blank String"

Data between Checkout Book Subsystem and Database Subsystem:

From	To	Name	Type	Value Range	Default Value
Checkout Book Subsystem	Database Subsystem	CheckoutBookInput	Integer	10 or 13	0000000000

Data between Checkout Book Subsystem and Database Subsystem:

From	To	Name	Type	Value Range	Default Value
Add/Remove Book	Database Subsystem	AddBookInput	String, String, Integer	"Any String Any Length", "Any String Any Length", 10 or 13	"Blank String", "Blank String", 0000000000
Add/Remove Book	Database Subsystem	RemoveBookInput	Integer	10 or 13	0000000000

Data between Database Subsystem and System UI Subsystem:

From	To	Name	Type	Value Range	Default Value
Database Subsystem	System UI Subsystem	DatabaseResults	String, String, Integer	"Database Title String", "Database Author String", Database ISBN 10 or 13 Number	"Blank String Title", "Blank String Author" 0000000000 ISBN
Database Subsystem	System UI Subsystem	EmptyResults	String	"No Book Found"	"No Book Found"