

No	Layer	Window Name	Component Name	Component Type	UI validation(null, Empty, Numeric, Aphanumeric)	Logic(Valid, Unique, Non-negative)
1	UI	Login	User name	text field	null and empty	valid username
			password	text field	null and empty	valid password
			login button	Button	apply above validation	
2	UI	Checkout Book	Member Id		null and empty	valid member
			Book ISBN		null and empty	valid ISBN,book copy availability
			Search	Button	Perform validation all textfield and show appropriate error message	only book
			Checkout	Button	Perform validation all textfield and show appropriate error message	memberID and Book
3	UI	Add Book	ISBN	text field	null and empty and numeric	valid and unique ISBN
			Title	text field	null and empty	
			Check out length	Radio button 7 and 21	7 or 21	
			Author	text field	null and empty	valid author name
			Number of copies	text field	null and empty and numeric	valid number(non negative)
			Add book	Button	validate and show appropriate error message if validation failed	
	UI	Author	FirstName		null and empty	
			LastName		null and empty	
			Telephone		null and empty, 10 digit number or + sign followed with number	
			Street		null and empty and alphanumeric	
			City		null and empty	
			state		null and empty	
			zipcode		only number with 5 digit	
			Bio		Optional	
4	UI	Add Book Copy				
			ISBN	textfield	null and empty(mandatory) and numeric	valid ISBN
			No of copies	textfield	null and empty(mandatory) and numeric	copy number greater than zero
			Add Copy	Button	Apply above validation after clicking this button	
5	UI	Add Member				
			Member Id	textfield	auto generated	
			First Name		null and empty	
			Last Name		null and empty	
			Contact Number		null and empty, 10 digit number or + sign followed with number	
			State		null and empty	
			City		null and empty	
			Street		null and empty and alphanumeric	
			Zip Code		only number with 5 digit Numeric	
			Add	Button	valid all field after clicking button	