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Class diagram:
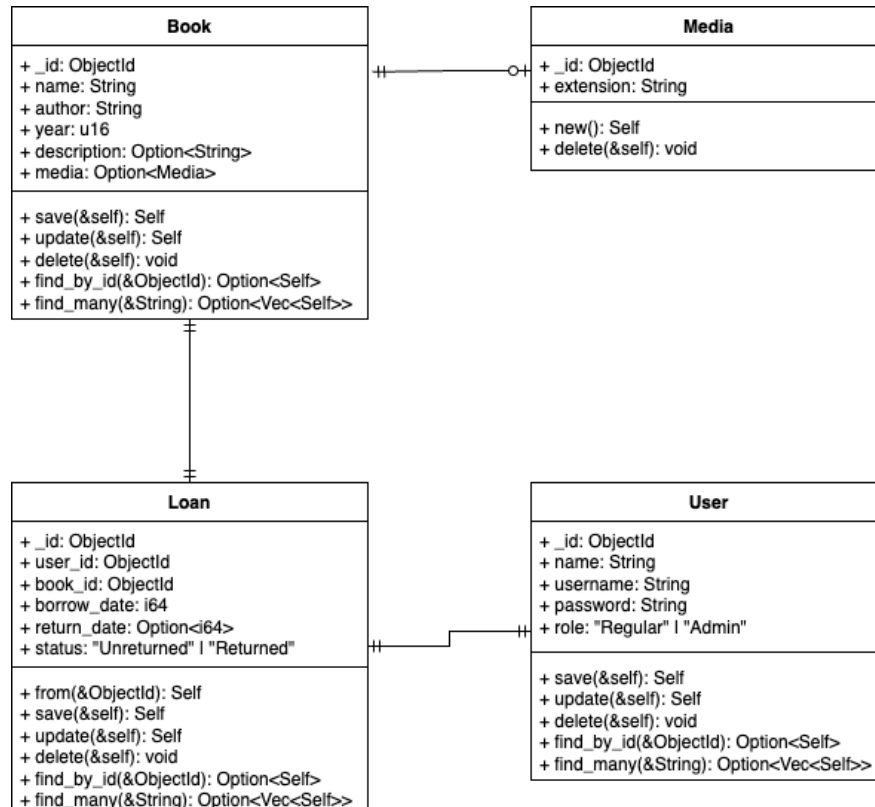
Test scenario:

No.	Test's Description	Test Cases
1	Check the ability to create an account	Check when all the required fields are filled
		Check when some of the required fields are not filled
2	Check the ability to sign in to an account	Check using a random username – password combination works
		Check using a prepared username – password combination
3	Check the ability to show admin privileges	Check using an account with a role of an "*Admin*"
		Check using an account with a "*Regular*" role
4	Check the ability for users to create a loan to borrow book	Check when not signed in

		Check when signed in
		Check on an already borrowed book using the same account that borrows the book
		Check on an already borrowed book using different account
5	Check the ability for users to return borrowed book	Check using an account that has borrowed a book
		Check using an account that hasn't borrowed any book
6	Check the ability to add a book	Check when using an account with "*Admin*" privileges
		Check when using an account without "*Admin*" privileges
7	Check the ability for admin to force – return a book	Check when using an account with "*Admin*" privileges
		Check on a loan that has a status of "Un*returned*"
		Check on a loan that has a status of "*Returned*"