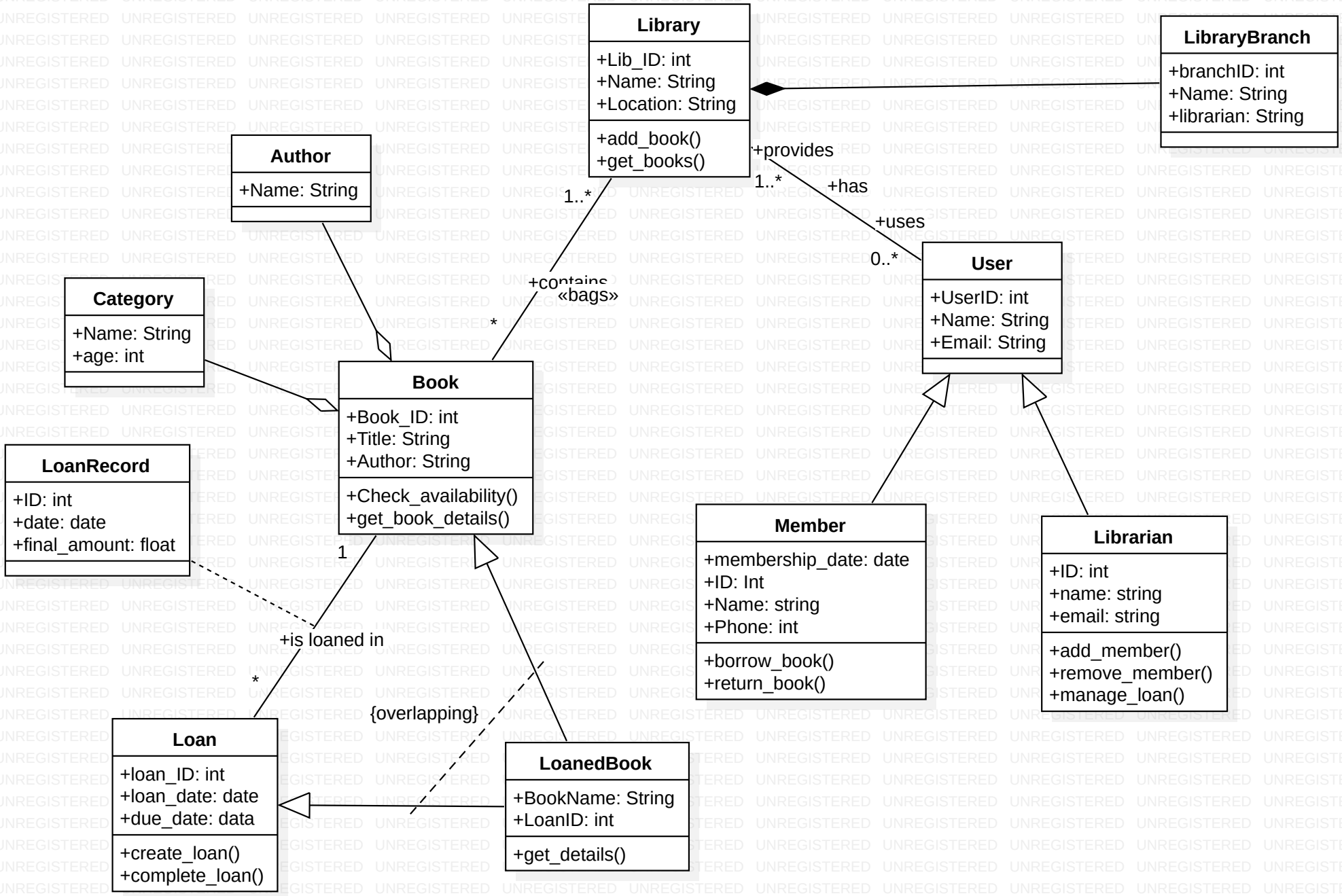
Model::Main


Library
+Lib_ID: int
+Name: String
+Location: String
+add_book()
+get_books()
LibraryBranch
+branchID: int
+Name: String
+librarian: String
Author
+Name: String
+provides
1..*
+has
+uses
0..*
User
+UserID: int
+Name: String
+Email: String
1..*
+contains
«bags»
*
Category
+Name: String
+age: int
Book
+Book_ID: int
+Title: String
+Author: String
+Check_availability()
+get_book_details()
LoanRecord
+ID: int
+date: date
+final_amount: float
1
+is loaned in
*
Member
+membership_date: date
+ID: Int
+Name: string
+Phone: int
+borrow_book()
+return_book()
Librarian
+ID: int
+name: string
+email: string
+add_member()
+remove_member()
+manage_loan()
{overlapping}
Loan
+loan_ID: int
+loan_date: date
+due_date: data
+create_loan()
+complete_loan()
LoanedBook
+BookName: String
+LoanID: int
+get_details()