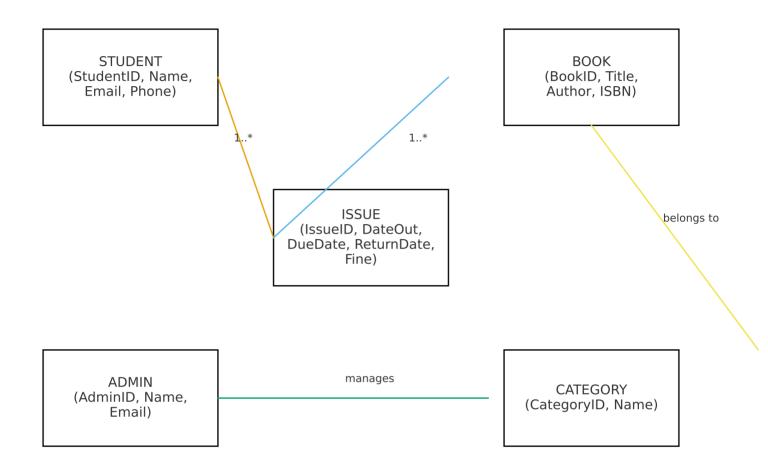
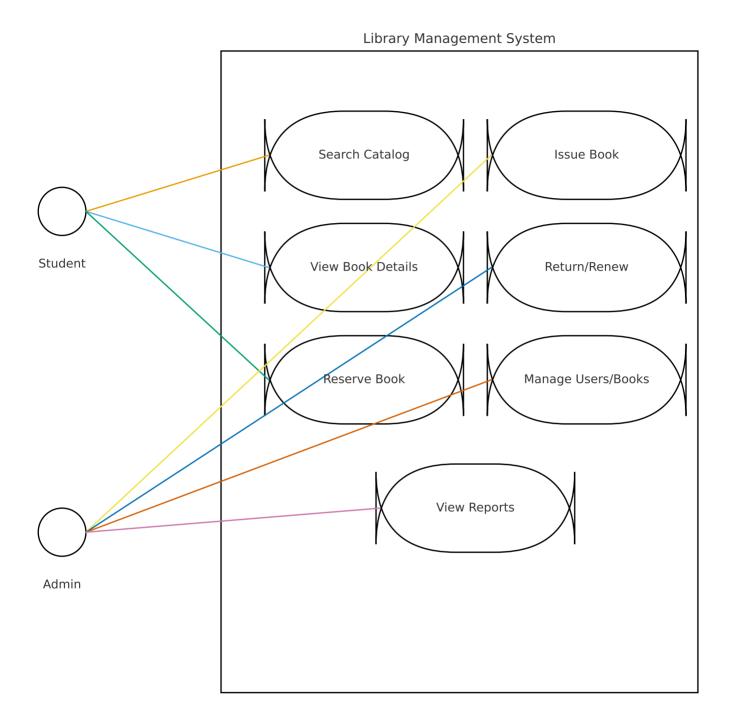


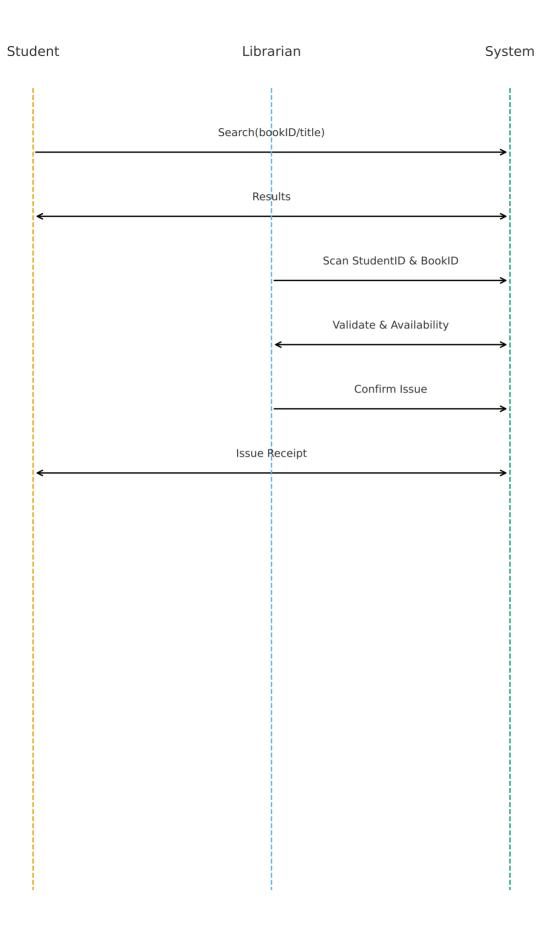
ER Diagram



Use Case Diagram



Sequence Diagram – Issue Book



Activity Diagram – Return Book

Start

Bring Book Scan IDs Validate & Update Calculate Fine Collect Fine Receive Receipt End System Student Librarian

Class Diagram

User	Student	Admin
userld: int - name: string	fines: double	permissions: set
+ellong-iih:()string	+ viewHistory()	+ addBook()
+r tolgoab() m	+ payFine()	+ manageUser()
	inherits inherits	
Book	Transaction	Catalog
Book bookld: int		Catalog books: list <book></book>
	Transaction	

- status: enum