

Class/ Use Case	Librarian	Member	Visitor	Library	Book	Room
Get the book details	Print_Book_Details(): Void				getBook_Id():int getBook_Name():String getBook_status(): String getPrice():double	
Get the member details	print_member_details(): void				getName():String , getMember_Id():int,getFine():double	
Add Book	add_Book(Book): Integer					
Remove Book	remove_Book(in book): Boolean					
Search for a Book		search_book(Book_Name): Boolean	search_book(Book_Name): Boolean		getName():String ,getBook_status(): String	
Read Book		read_Book(Book_Name): Boolean	read_Book(Book_Name): Boolean		getName():String ,getBook_status(): String	
Add Member	add_Member(Visitor): Boolean		request_Membership(): Boolean			
Issue Books	issue_Book(Book, Mmember): Void	request_Book(Book_Name): Boolean			getName():String ,getBook_status(): String ,setBook_status(): String	
Book Rooms	allocate_Room(): Integer deallocate_Room(Room): Boolean	request_Room(Room_Number): Boolean check_Out_Room(in Room_Name): Boolean				get_Room_Status(): Boolean
Request a Book	issue_Book(Book, Member): Void	request_Book(Book_Name): Boolean check_Out_Room(Room_Name): Boolean			getName():String ,getBook_status(): String	
Return a Book	return_Book(Book_Name): Boolean	return_Book(Book_Name): Boolean			getName():String ,getBook_status(): String ,setBook_status(): String	
Calculate Fine	calculate_Fine(in Member): Float	get_fine(): Float				
Remove Member	remove_Member(Member_Id): Boolean					

Class/ Use Case	Adult	Student	Study Book	Journal	Magazine	Reference Book	Use Case ID
Get the book details							UC1
Get the member Details							UC2
Add Book							UC3
Remove Book							UC4
Search for a Book							UC5
Read Book							UC6
Add Member	adult_Membe rship _Fee(in years): Float	student_ Membership _Fee(in years): Float					UC7
Issue Books			update_borrow _Status(): Void				UC8
Book Rooms							UC9
Return a Book							UC10
Calculate Fine							UC11
Remove Member							UC12