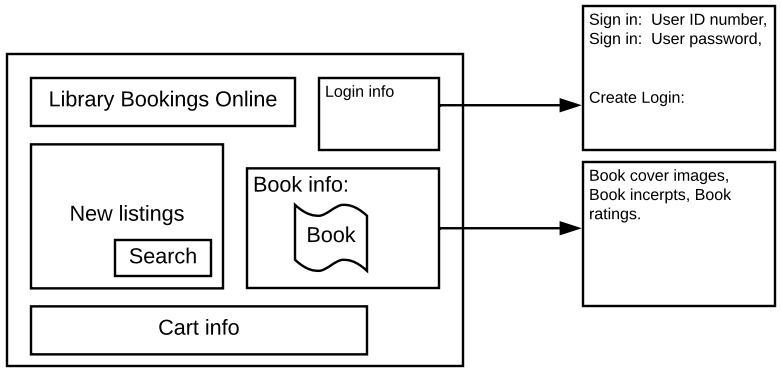
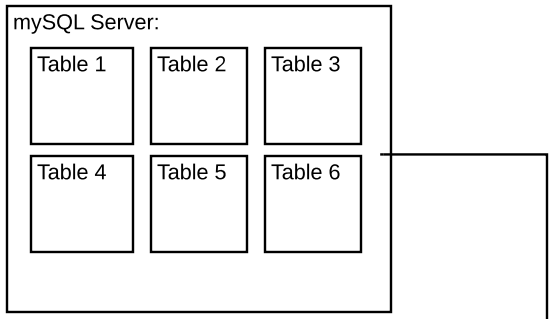
LIBRARY BOOKINGS ONLINE - WEB APPLICATION-DESIGN DOCUMENT





3 Tier Setup

User GUI Interface	Business Logic Interface	Database
Customer login/signups Proivide news Search Directory Inventory Employee portal.	APA Apache Web Server? HPA Web Server? Get information Send information Store information process information	MySQL Server Database with Book information. Book locations, Rental and sales information, Customer information.

Use cases: :Let employees/customers search for books.
let employees/users purchase books.
Let customers/employees locate books.
let customers create a login.

SQL Table

Users		
FK	firstName	Varchar (20)
Key	lastName	Varchar (20)
Key	customerID	int

Employees		
Key	firstName	Varchar (20)
Key	lastName	Varchar (20)
Key	empID	int

Register		
Key	booksOut	int
Key	booksIn	int
Key	booksAvail	int
Key	bookName	Varchar (20)
Key	rentalLength	Type
Key	status	Type

Inventory		
Key	bookName	Varchar (20)
Key	authorName	Varchar (20)
FK	Book ID	int
Key	status	Varchar (20)

Location		
Key	shelfID	int
Key	branchID	int
Key	Field	Type