

MyBookStore

Problem Statement

E-Commerce has become the lifeline of economy today . Ecommerce sites hold 22% of world trade

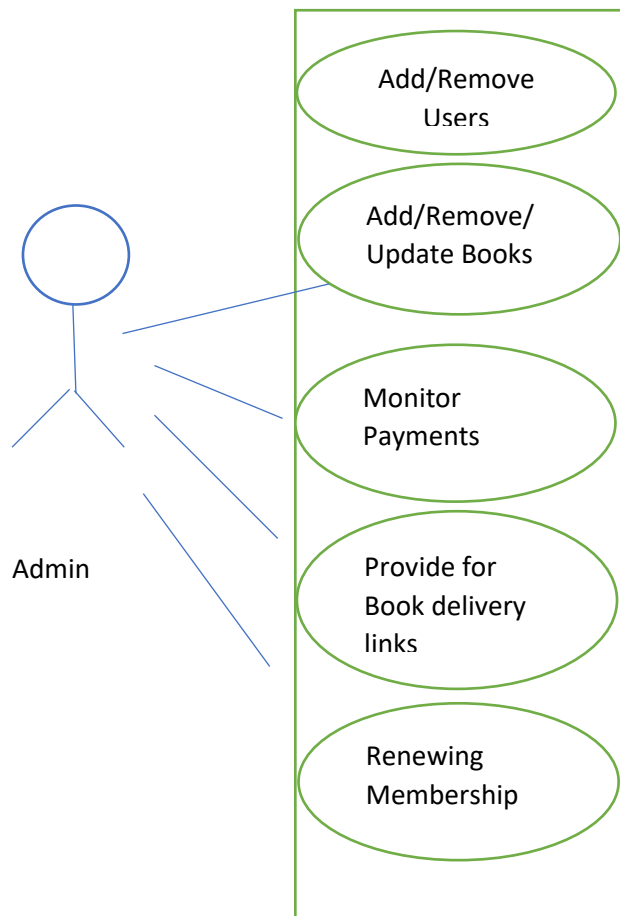
An ecommerce application should provides users with lot of options not just in terms of products but also ,other operations ,like payment ,delivery .Also preferences related to product purchase can be beneficial to organisations involved in trade to identify different trends related to products

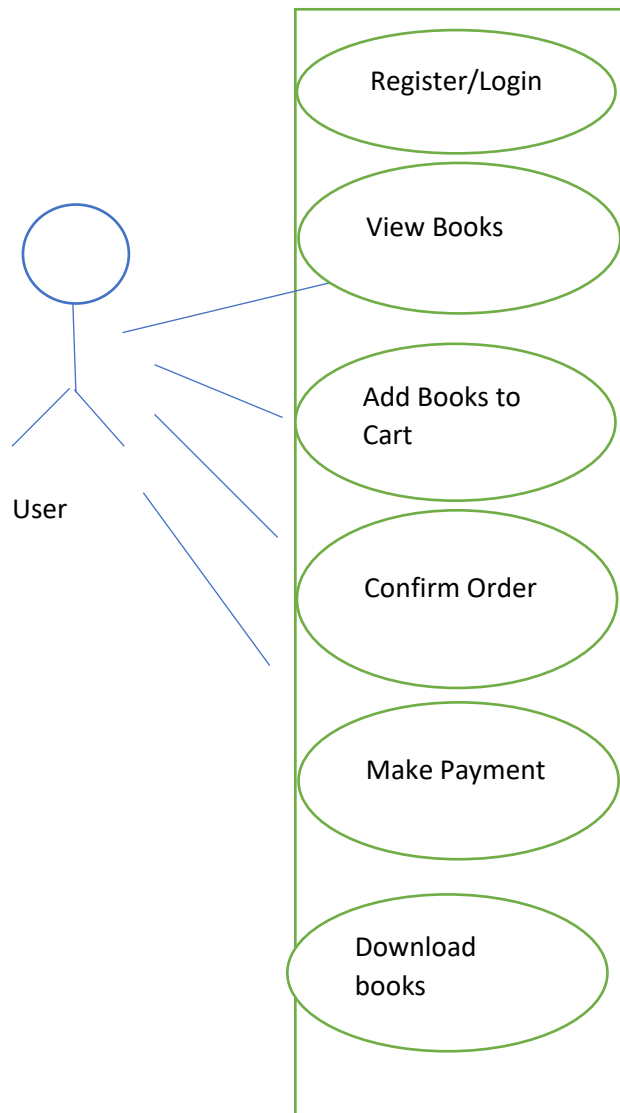
One of the example of premium product that can be ordered and accessed online is ebooks

An application has to be created that can store books in pdf format ,with other details like author and publisher details

A user should be able to place order for a book ,make payment and get the book downloaded Through a link or access the book within the application

1. There should be registration ,authentication and authorization mechanism for user
 2. User should be able to view list of books in a book gallery and select a book to be placed in a cart
 3. User should confirm the books in the cart to be placed as an order
 4. User should be able to make online payment
 5. User should get a link for downloading ordered books in his account and should be able to download books
 6. User should be able to view previous order
1. There should authentication mechanism for Admin
 2. The Admin should be able to add new books and remove books from the store
 3. Admin should be able to accept orders or reject orders
 4. Admin should be able to monitor payment by user





Functional Requirements

1. Authentication mechanism for both Administrator and User
2. User should be register by separate module
3. Administrator should be able to add or remove user
4. Administrator should be able to add ,remove or update book details
5. Administrator should be able to monitor order and payment status
6. Administrator should be able to provide for delivery details/download links for books
7. Administrator can renew membership of any user on request
8. User should register before login through separate module
9. User should be able to view books along with details like author name ,price and publisher details in the application
10. User should be able to select and books to cart
11. User should be able add or remove books from cart
12. User should be able to confirm books in the cart to be placed as order
13. User should be able to make payme nt for order placed
14. User should be able to view links for books to be downloaded, in the application

Non Functional Requirement

- 1.Login module should provide password strength of minimum 6 characters that should have an upper case a number and a special symbol
- 3.Unit Test Cases should be written for all the classes implementing database connectivity code
- 4.SonarQube report has to be generated for code coverage