The system should display a home page with functionality such as login/sign-up, about and contact-us.

1. As a new public user, I want to sign up an account so I can buy books in my own account.
2. As a book publisher, I want to sign up an account so I can sell my own books in my online bookstore.
3. As a book shop owner, I want to sign up an account so I can sell books in my online bookstore.
4. As a public user, I want to log in to my account so that I can buy books.
5. As a public user, I want to see the overview (‘about’) of the website so that I can see what this website is going to do and the current version etc.
6. As a public user, I want to talk to the customer service so that I can seek for help when I have trouble on logging in my own account.
7. As a public user, I want to talk to the customer service so that I can complains about any trade on the website.

The program must authenticate and authorize users based on user type/role, i.e., admin or customer

1. As a admin, I want to log in into my account with a prefixed ID so that I can view the website and do something with the authority of administrators.

publishers and shop owners, who can sell their own books, new books and used books; public users, who can buy, share or sell only used books.

1. As a publisher, I want to publish the price and information about my own books on this website, so that I can sell them online.
2. As a shop owner, I want to publish the price and information about books on this website, so that I can sell them online.
3. As a public user, I want to publish the price and information about my used books on this website, so that I can sell them online.
4. As a shop owner, I want to add a book to my shop so that I can sell more books.
5. As a shop owner, I want to remove a book in my shop so that I can control the sales of my books anytime.
6. As a shop owner, I want to edit the status of the books on sale in my shop so that I can tell the buyer what book in my shop is out of stock.

Admin user can login, and upon successful login, the admin is able to add/approve/block/edit a new user, add/edit books, look at the summary of past and current transactions

1. As a admin, I want to add new users accounts with fixed ID so that I can apply them to special customers or my employees.
2. As a admin, I want to approve the register applications from shop owner, so that I can make the business on the website under my control.
3. As a admin, I want to block a user account so that I can prevent some illegal events from public users.
4. As a admin, I want to edit the information such as their name of any user account so that I can fix those illegal names of public users.
5. As a admin, I want to add a book to the website so that I can publish a book like a shop owner.
6. As a admin, I want to remove a book on sale so that I can control the books selling on my website anytime.
7. As a admin, I want to look at the summary of all transactions on my website so that I can evaluate the sales volume of books selling on the website.

A Customer can search for books by name, author, ISBN and category

1. As a customer, I want to search a book by ISBN so I can buy the book
2. As a customer, I want to search a book by name so I can buy the book
3. As a customer, I want to search a book by author so I can buy the book
4. As a customer, I want to search a book by category so I can buy the book

Customers add review for a specific book that has been bought or specific user that had interaction with.

1. As a public user, I want to make a comment under the book I have purchased so that I can let others see it's that good or not.
2. As a public user, I want to see the comments under the books selling in a shop so that I can determine is it worth purchasing by the views of those people who brought it before.
3. As a public user, I want to chat with the shop owner so that I can ask them for a discount or further information about the books they’re selling.

Customers/buyers must be able to pay for books or receive the fee through PayPal. For implementing this part, your application must interact with PayPal API. Customers/Buyers must be able to cancel an orders until 2 hours after item has been ordered. In that case, a refund request must have been sent.Customer/Shop owners must be able to see a history of their transaction and the status of current orders.

1. As a public user, I want to pay for the books I want to buy in the online bookstore through an online transaction, so that I can buy the book immediately.
2. As a public user, I want to cancel a transaction I have been ordered so that I can get my money back when I made a wrong order.
3. As public user, I want
4. As a public user, I want to track the progress of my book purchases (order status) so that I can determine if I have made a successful purchase
5. As a public user, I want to view details of each transaction so that I can be sure what books i bought with what price before
6. As a shop owner, I want to look for the summary of my current or past transactions sorted by date so that I can check the selling details easily.

Users should be able to see the book cover image and table of content of the book(pdf)

1. As a public user, I want recommendation of popular books among people (or just some books) with corresponding cover images and details description (attached pdf) placed on the home page so that I can scan books when I have no idea what kinds of books I want.
2. As a shop owner, I want to upload multiple pictures of books so customer can see more details of the book

Admin user should be able to download different sort of reports about books and user transactions in CSV format.

1. As a admins, I want to download different sort of reports about the books under every book selling page in CSV format so that I can view the details of that books easily.
2. As a admins, I want to download different sort of reports about the transactions sorted by shops in CSV format so that I can view the details of that transactions easily.

Other things out of the specs but should be helpful

1. As a public user, I want to be able to change my personal account password, so that I can avoid losing my account because I forget my password
2. As a public user, I want to edit my personal information so that I can show my personality to the business
3. As a public user, I want to edit my shipping address so that the goods can be delivered to the correct address
4. As a public user, I want to add the book into the shopping cart so that I can pay for them together later.
5. As a shop owner, I want to edit the details of my shop so that I can change the name of my shop.
6. As a shop owner, I want to see other shops and their commodities like a customer as well so that I can adjust the price of the books on sale in my shop.
7. As a shop owner, I want to change the price of the selling books in my shop so that I can adjust my profit.
8. As a admin, I want to receive notification from customer or shop owner who contacts me so that the problems are resolved smoothly

Other things out of the specs but might be helpful

1. As a public user, I want to talk to other customers so that I can communicate with them and see which book is better.
2. As a customer, I want to pay by debit or credit card so I do not need to open Paypal account
3. As a public user, I want recommendation of similar books I'm looking at so that I can do comparison and buy a more valuable one.
4. As a shop owner, I want to chat with the customers who has brought any book in my shop so that I can ask them for further information such as their address.
5. As a shop owner, I want to apply some discounts or promotions to some of the books selling in my shop so that I can sell them faster.
6. As a shop owner, I want advertising on the website so more customers can buy from our shop.
7. As a shop owner, I want shop identify so that customers can trust us.
8. As a admin, I want to check the list of all shop owners so that I can know what shops are there.
9. As a admins of other sites, I want defining the security model (Salted password, Checking password characters)