

Product Backlog						
EPIC ID	EPIC Name	User Story ID	User Story	Acceptance criteria	Estimate (User Story Points)	comment
EPIC 1	Registration and Login system	US1-1	As a user	Given the user is not logged into the system When the user opens the platform Then display the login form and allow the user to log in or sign up.	3	
			I want to log in to the system			
			So that I can access its features			
		US1-2	As a new user	Given the user does not have an account When the user signs up Then collect basic information and create the account.	5	
			I want to sign up for the system			
			So that I can become a registered user			
		US1-3	As a seller	Given the seller does not have an account When the seller signs up Then ensure additional verification steps like OTP and ID card submission are completed.	13	
			I want to register as a seller			
			So that I can sell my books on the platform			
		US1-4	As an admin	Given a seller has submitted a registration request When the admin reviews the seller's profile and documents Then allow the admin to approve or reject the account and notify the seller of the decision.	5	
			I want to verify seller accounts			
			So that I can ensure only verified sellers can sell books			
EPIC 2	Search system	US2-1	As a seller	Given the seller is logged into the system and has access to the "Book Data" section, When the seller navigates to view book data, Then the system should display detailed information about books available in the database.	5	
			I want to view data on books in the database			
			so that I can access relevant information about books for sale			
		US2-2	As a seller	Given a buyer performs a search that matches a seller's book listing, When the seller navigates to a designated "Potential Buyers" or "Matches" section, Then the system should display a list of buyer profiles or inquiries whose search criteria align with the seller's posts.	13	
			I want to match with buyers when their search criteria align			
			so that I can connect with potential buyers interested in my listings			
		US2-3	As a seller	Given the seller is adding or editing a book listing with complete details When the seller reaches the pricing section, Then the system should display a recommended price based on similar listings, market trends, and the book's condition.	13	
			I want the system to show recommended prices for my books			
			so that I can price my books efficiently and maximize sales			
		US2-4	As a buyer	Given a buyer is on the search page, When the buyer enters keywords related to book data, description, or condition, Then the system should display a list of seller posts that match the search criteria. Given the buyer enters invalid or insufficient search criteria, When the buyer performs the search,	8	
			I want to perform searches for sellers' posts using book data, description, and condition			
			so that I can find books that meet my specific requirements			
		US2-5	As a buyer	Given a buyer starts typing a book title or author in the search bar, When sufficient data is entered to identify the book, Then the system should suggest auto-completions for the book description based on the database.	13	
			I want the system to assist me by auto-filling book descriptions			
			so that I can perform searches more efficiently when I have many suggestions			
		US2-6	As a buyer	Given a buyer performs a search using specific criteria, When the system identifies seller posts that match these criteria, Then the matching seller posts should be displayed in the search results list for the buyer to review. Given there are no seller posts that match the buyer's search criteria, When the buyer completes the search,	13	
			I want to match with sellers' posts when my search criteria align with their descriptions			
			so that I can find and connect with sellers offering the books I want			
		US2-7	As a buyer	Given a buyer is viewing a book listing, When the buyer clicks the "Save" or "Bookmark" button, Then the system should add the book to the buyer's saved list. Given the buyer is not logged into the system,	5	
			I want to save or bookmark books I'm interested in			
			so that I can easily access them later			
		US2-8	As a buyer	Given a buyer has a history of searches, preferences, and past purchases, When the buyer visits the recommendations section, Then the system should display a curated list of books that align with the buyer's interests. Given the buyer has no search history, preferences, or past transactions, When the buyer visits the recommendations section,	21	
			I want to receive book recommendations based on my search history, preferences, and past transactions			
			so that I can discover books that interest me without having to search manually			
EPIC 3	Chat system	US3-1	As a buyer	Given a match is made between the buyer and seller When the buyer initiates a chat with the seller Then ensure the chat session is created And ensure the seller receives a notification of the message		Chat between buyer - seller
			I want to communicate with sellers			

EPIC 4	Purchase system		so that I can negotiate terms and clarify details about the books.	And ensure the seller receives a notification of the message And ensure the message is stored in the chat history	21	Report and chat with admin
		US3-2	As a seller I want to reply to buyers' messages so that I can answer questions and finalize transactions.	Given the seller receives a message from the buyer When the seller replies to the message Then ensure the buyer is notified of the reply And ensure the message is stored in the chat history	8	
		US3-3	As a buyer I want to report inappropriate behavior in chats so that I can alert administrators to policy violations.	Given the buyer identifies inappropriate behavior in a chat When the buyer submits a report Then ensure the report is sent to the administrators	21	
		US3-4	As a seller I want to report inappropriate behavior in chats so that I can maintain a safe and respectful environment.	Given the seller identifies inappropriate behavior in a chat When the seller submits a report Then ensure the report is sent to the administrators	8	
		US3-5	As a buyer I want to respond to admin inquiries about reports so that I can provide more details during investigations.	Given the administrator sends an inquiry to the buyer When the buyer responds to the inquiry Then ensure the response is sent to the administrator And ensure the buyer's input is recorded in the investigation log	8	
		US3-6	As a seller I want to respond to admin inquiries about reports so I can provide my side of the story during an investigation.	Given the administrator sends an inquiry to the seller When the seller responds to the inquiry Then ensure the response is sent to the administrator And ensure the seller's input is recorded in the investigation log	8	
		US4-1	As a seller I want to post my books for sale so that buyers can view and purchase them.	Given a seller provides all required details (e.g., book title, price, etc.) When the seller submits the post Then the system should create and display the post successfully. Given a seller provides incomplete details	13	
		US4-2	As a seller I want to add extra descriptions and specify the book condition so that buyers know more about the book.	Given a seller is creating or editing a post When the seller adds additional description and condition details Then the system should save and display the information in the post. Given a seller enters unsupported characters in the description When the seller tries to save the post	8	
		US4-3	As a seller I want the system to automatically fill in the book description so that I don't have to manually enter detailed information w	Given a seller is creating a book post, When sufficient initial data (e.g., book title, author, ISBN, or other identifying information) is provided, Then the system should automatically retrieve the corresponding book description	8	
		US4-4	As a seller I want to request the addition of new books to the database so that I can sell books not currently listed.	Given a seller provides all required information about the new book When the seller submits the request Then the system should acknowledge the submission and notify the seller of approval status later. Given a seller provides incomplete or invalid information	8	
		US4-5	As a seller I want to initiate transactions when all details are confirmed so that I can sell my book securely.	Given all transaction details (book description, condition, shipment details, payment amount, payment method) are confirmed When the seller initiates the transaction Then the system should successfully process and save the transaction. Given some transaction details are missing or unconfirmed	21	
		US4-6	As a buyer I want the system to handle payment transactions securely, including processing payments via credit card and digital wallets, so that I can pay for books conveniently.	When the buyer completes the payment process Then the system should securely process the payment and confirm the transaction. Given a buyer provides invalid payment details (e.g., incorrect credit card number) When the buyer attempts to complete the payment Then the system should reject the transaction and display an error message specifying the issue (e.g., "Invalid payment method").	13	
		US4-7	As a buyer I want the system to hold my payment until the transaction is completed so that I feel secure making purchases.	Given a buyer has successfully completed a payment When the seller confirms shipment and the transaction is completed Then the system should release the payment to the seller. Given a buyer has completed a payment When the transaction is canceled or disputed	13	
		US4-8	As a seller	Given a seller provides all required details (e.g., book title, price, etc.) When the seller updates the post		

EPIC 5	Post-purchase system		I want to be able to edit my posts	Then the system should update and display the post successfully. Given a seller provides incomplete details	8	
			so that I can update posts with latest information	When the seller attempts to update the post Then the system should reject the submission and display an error message specifying the missing fields.		
		US5-1	As a seller	Given a seller has completed a sale When the seller tries to select a shipping method of that sale	13	
			I want to pick shipping methods after a sale	Then the system should allow the seller to select it successfully Given a seller has not completed a sale		
			so that I can deliver the book to the buyer	When the seller tries to select a shipping method of that sale Then the system should not allow the seller to select it or even see the option		
		US5-2	As a seller	Given a seller has a valid shipment tracking number When the seller tries to add a shipment tracking number to a sale	21	
			I want to add shipment tracking number after a shipment has been made	Then the system should allow the buyer to see the tracking number Given a seller has an invalid shipment tracking number		
			so that my buyer can tracking the shipping progress	When the seller tries to add a shipment tracking number to a sale Then the system should display the error to the buyer to re-add the correct number		
		US5-3	As a seller	Given a seller has completed a transaction Then the system should transfer the payment to the seller's account	8	
			I want to the system to transer the payment to my account	Given a seller has not completed a transaction Then the system should not transfer anything to the seller's account		
			so that I can receive the money			
		US5-4	As a seller or buyer	Given a seller/buyer has a history of buying/selling When they visit the past transactions page	13	
			I want to see past transactions, including details like purchase dates, amount spent, statuses, etc.	Then the system should display all the past transactions that they participated in Given a user has not authenticated		
			so that I can keep track of my transaction	When they visit the past transactions page Then the system should display an unauthenticated error		
		US5-5	As a buyer	Given a buyer has a pending order When the buyer visits the order status page	13	
			I want to track the status of my order, including shipment tracking and delivery updates	Then the system should display the order status Given a buyer has no pending orders		
			so that I know when the shipment would arrive	When the buyer visits the order status page of a non-existent order Then the system should display not found error		
		US5-6	As a seller	Given a transaction is complete When the seller uses the platform	13	
			I want to be notified when the transaction is finished no matter	Then the system should notify that a transaction has completed Given a transaction is failed		
			so that I can see failed transactions	When the seller uses the platform Then the system should notify that a transaction has failed		
		US5-7	As a buyer	Given an order has arrived for the buyer When the buyer confirms completion of the transaction	13	
			I want to confirm completion of transaction after the shipment has arrived without problems	Then the system should save the comfirmation Given an order has not arrived for the buyer		
			so that the system knows I have received my order	When the buyer confirms completion of a non-existent transaction Then the system should display not found error		
		US5-8	As a buyer	Given an order has arrived for the buyer with defects or has not arrived When the buyer denies completion of the transaction with reason and evidence	21	
			I want to deny completion of transaction by providing a reason and supporting evidence e.g. no delivery, defects so that the system reports it to admins	Then the system should report to admins Given an order has arrived for the buyer with defects or has not arrived When the buyer denies completion of the transaction without reason or evidence Then the system should display bad request error (no reason or evidence)		
		US5-9	As a buyer	Given a transaction is complete When the buyer leaves review and rating for the transaction		

			I want the leave reviews and ratings for completed transactions so that I can promote good vendors and punish bad ones	Then the system should save the review and rating successfully Given a transaction is not complete When the buyer tries to leave review or rating for the incomplete transaction Then the system should display incomplete transaction cannot be revived error	21	
EPIC 6	Admin System	US6-1	As an administrator I want to view, add, edit, and remove seller and buyer accounts so that I can effectively manage the users of the system	Given I am an administrator logged into the system When I navigate to the user management section Then I can view a list of all seller and buyer accounts. Given I am in the user management section	8	
		US6-2	As an administrator I want to review and approve or reject book listings posted by sellers so that all listings meet the platform's guidelines and quality standards.	Given sellers have submitted new book listings When I access the listings approval section Then I can view detailed information of each pending listing. Given I am reviewing a book listing When I determine it meets all guidelines	5	
		US6-3	As an administrator I want to view, edit, delete, or update book data in the database so that the catalog remains accurate and up-to-date	Given I am in the book management section When I search for a specific book Then I can view its detailed information. Given I am viewing a book's details	8	
		US6-4	As an administrator I want to verify the data of books added by sellers so that all book information is accurate and compliant with policies	Given a seller has added a new book When I review the book's data Then I can check for accuracy and policy compliance. Given I find errors or policy violations in the book data	5	
		US6-5	As an administrator I want to view all transactions between buyers and sellers so that I can monitor activity and address any issues that arise	Given I am on the transaction management page When I view the list of transactions Then I can see details such as buyer and seller information, transaction dates, and amounts.	5	
		US6-6	As an administrator I want the system to notify me when a new report is submitted so that I can promptly address any issues reported by users	Given a user submits a report (e.g., about inappropriate content or a technical issue) When the report is successfully submitted Then the system sends a notification to administrators. Given I receive a notification of a new report When I access the reports management section	3	
		US6-7	As an administrator I want to set or update guidelines for recommended prices for books so that sellers have guidance on appropriate pricing	Given I am on the pricing guidelines page When I create or modify recommended price ranges for books or categories Then the new guidelines are saved and communicated to sellers. Given a seller is pricing a book	5	
		US6-8	As an administrator I want to generate reports on sales, transactions, user activity, and other relevant metrics so that I can analyze performance and make informed decisions	Given I am in the report generation section When I select the type of report and set the desired parameters (e.g., date range, metrics) Then the system generates the report with accurate data. Given I need to export a report	13	
		US6-9	As an administrator I want to view user posts so that I can monitor content and ensure it complies with community standards	Given users have made posts on the platform When I access the user posts section Then I can view all posts, comments, and interactions. Given I identify a post that violates policies	3	
		US6-10	As an administrator I want to configure system settings, including payment gateways, user status, and user permissions so that I can maintain control over system operations and security	Given I am in the system settings section When I update settings for payment gateways Then the new configurations are saved and affect system transactions. Given I need to change a user's status (e.g., activate, deactivate, ban) When I update the user's status	8	