Online Bookstore Sprint Schedule

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|  | Monday | | | | Tuesday | Wednesday | | Thursday | | Friday | | |
| Sprint 1 | Sprint Planning  17 Feb, 2025 | | | | Daily Standup  18 Feb, 2025 | Daily Standup  19 Feb, 2025 | | Daily Standup  20 Feb, 2025 | | Daily Standup  21 Feb, 2025 | | |
| Assign team roles and define authentication tasks.  Confirm backend tech stack & database selection.  **Acceptance Criteria:**   User roles assigned; backlog finalized   JWT-based auth system implemented   Signup/Login flow works with role-based access   Database schema integrated with backend   All auth features tested and verified | | | | **Tasks Completed:** Designed Sprint Backlog, set up project structure.  **Blockages:** Confusion about best authentication method, API structure not fully defined. | **Tasks Completed:** API endpoint setup, database schema finalized, authentication handling initiated.  **Blockages:** Error handling approach unclear, authentication error handling failures. | | **Tasks Completed:** User authentication API, registration & login UI developed.  **Blockages:** CORS issues during API calls, role-based access control (RBAC) testing difficulties. | | **Tasks Completed:** Database connection with backend, testing authentication API.  **Blockages:** Database integration inconsistencies, testing environment setup issues. | | |
| Daily Standup  24 Feb, 2025 | | | | Daily Standup  25 Feb, 2025 | Daily Standup  26 Feb, 2025 | | Daily Standup  27 Feb, 2025 | | Sprint Review  28 Feb, 2025  Authentication system demo, challenges faced. | | |
| **Tasks Completed:** Implemented frontend-backend authentication integration.  **Blockages:** UI inconsistencies affecting login experience, session expiration issues. | | | | **Tasks Completed:** Implemented role-based access control (RBAC).  **Blockages:** Role validation issues, session management errors. | **Tasks Completed:** Integrated OAuth/Social Login authentication.  **Blockages:** OAuth token validation problems, role-based permissions misalignment. | | **Tasks Completed:** Final testing of authentication, improved error handling.  **Blockages:** Edge case failures in user registration (duplicate emails not handled correctly). | | **Sprint Retrospective**  **Do's:** Finalize API structure early, keep documentation updated.  Ensure clear communication about daily tasks.  **Don'ts:** Avoid delaying security testing until later stages. | | |
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| Sprint 2 | Sprint Planning  3 Mar, 2025 | | | | Daily Standup  4 Mar, 2025 | Daily Standup  5 Mar, 2025 | | Daily Standup  6 Mar, 2025 | | Daily Standup  7 Mar, 2025 | | |
| Define book listing, search, and inventory management tasks.  **Acceptance Criteria:**   Backend APIs for book CRUD working   Book search & filter features functional   UI for browsing books implemented   Admin can approve/reject listings   System handles book updates and availability | | | | **Tasks Completed:** Backend API development for book management.  **Blockages:** Data structure confusion, book categories undefined. | **Tasks Completed:** Frontend UI design for book browsing & search.  **Blockages:** UI design inconsistencies with backend structure | | **Tasks Completed:** Implemented CRUD operations for book inventory.  **Blockages:** Issues in database updates and stock management. | | **Tasks Completed:** Connected frontend with book management APIs.  **Blockages:** API response delays, incorrect book filtering logic. | | |
| Daily Standup  10 Mar, 2025 | | | | Daily Standup  11 Mar, 2025 | Daily Standup  12 Mar, 2025 | | Daily Standup  13 Mar, 2025 | | Sprint Review  14 Mar, 2025  Demo book browsing, seller inventory management, and admin approvals. | | |
| **Tasks Completed:** Developed admin approval system for book listings.  **Blockages:** Approval logic conflicts, review process delays. | | | | **Tasks Completed:** Implemented search and filtering functionality.  **Blockages:** Performance issues with search results loading speed. | **Tasks Completed:** Tested book browsing, filtering, and inventory updates  **Blockages:** Inconsistent data fetching between frontend and backend. | | **Tasks Completed:** Bug fixes, UI refinements, improved API response time.  **Blockages:** UI lag while loading book lists. | | **Sprint Retrospective**  **Do's:** Improve API response time, optimize database queries.  Strong **team collaboration** in resolving UI/UX issues  **Don'ts:** Avoid delaying admin approval logic until the last phase. | | |

**Sprint 3**

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| Sprint Planning  17 Mar, 2025 | Daily Standup  18 Mar, 2025 | Daily Standup  19 Mar, 2025 | Daily Standup  20 Mar, 2025 | Daily Standup  21 Mar, 2025 |
| Assign tasks for order placement, cart, and payment integration  **Acceptance Criteria:**   Cart and order APIs functional   Checkout UI flow completed   Payment gateway works in test mode   Order status updates (Pending, Confirmed, etc.)   End-to-end order flow tested | **Tasks Completed:** Backend API for cart management.  **Blockages:** Cart update logic errors. | **Tasks Completed:** UI implementation for cart and checkout flow.  **Blockages:** UI responsiveness issues on mobile. | **Tasks Completed:** Backend implementation of payment processing logic.  **Blockages:** Security concerns with payment handling. | **Tasks Completed:** Integrated frontend with payment API.  **Blockages:** Transaction validation failures. |
| Daily Standup  24 Mar, 2025 | Daily Standup  25 Mar, 2025 | Daily Standup  26 Mar, 2025 | Daily Standup  27 Mar, 2025 | Sprint Review  28 Mar, 2025  Demo order placement, checkout, and payment system. |
| **Tasks Completed:** Seller order tracking implementation.  **Blockages:** Status updates not reflecting properly. | **Tasks Completed:** Admin order monitoring and dispute handling.  **Blockages:** Conflict in refund policy application. | **Tasks Completed:** Bug fixes in checkout and order flow.  **Blockages:** Delayed transaction confirmations. | **Tasks Completed:** Security testing and fraud detection improvements.  **Blockages:** Payment API compliance issues. | **Sprint Retrospective**  **Do's:** Ensure proper testing in sandbox environments before live transactions.  **Strong team collaboration in resolving frontend inconsistencies**  **Don'ts:** Do not overlook transaction failure handling. |

**Sprint** **4**

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| Sprint Planning  7 Apr, 2025 | Daily Standup 8 Apr, 2025 | Daily Standup  9 Apr, 2025 | Daily Standup  10 Apr, 2025 | Daily Standup  11 Apr, 2025 |
| Define subscription packages (Basic, Premium, Enterprise) and earnings tracking.  **Acceptance Criteria:**   Seller can choose and buy subscription   Admin can view subscriptions and commissions   Seller earnings tracked and shown in dashboard   Subscriptions update access levels   Payment flow for plans tested | **Tasks Completed:** Backend API development for subscription management.  **Blockages:** Pricing model conflicts between subscription tiers. | **Tasks Completed:** UI design for seller subscription purchase.  **Blockages:** Unclear user flow for upgrading/downgrading plans. | **Tasks Completed:** Integrated payment system for subscription processing.  **Blockages:** Recurring payment authorization issues. | **Tasks Completed:** Implemented earnings dashboard for sellers.  **Blockages:** Delay in fetching sales analytics due to query performance. |
| Daily Standup  14 Apr, 2025 | Daily Standup  15 Apr, 2025 | Daily Standup  16 Apr, 2025 | Daily Standup  17 Apr, 2025 | Sprint Review  18 Apr, 2025  Demo seller subscription and earnings tracking. |
| **Tasks Completed:** Admin panel for tracking commissions & payments.  **Blockages:** Discrepancies in commission calculations. | **Tasks Completed:** Integrated subscription tracking and access control.  **Blockages:** Subscription expiration handling inconsistencies. | **Tasks Completed:** Testing subscription activation, upgrades/downgrades.  **Blockages:** Data refresh delays after subscription status change. | **Tasks Completed:** Bug fixes, UI refinements, improved API response time.  **Blockages:** Errors in calculating seller earnings. | **Sprint Retrospective**  **Do's:** Define pricing models clearly, automate commission calculations.  **Don'ts:** Avoid last-minute fixes for financial transactions. |

**Sprint 5**

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| Sprint Planning  21 Apr, 2025 | Daily Standup  22 Apr, 2025 | Daily Standup  23 Apr, 2025 | Daily Standup  24 Apr, 2025 | Daily Standup  25 Apr, 2025 |
| Assign tasks for price comparison and discount features.  **Acceptance Criteria:**   Customers can compare prices from sellers   Sellers can add valid discount offers   Discounts apply correctly at checkout   Best price shown clearly   Price & discount logic passes tests | **Tasks to be Completed:** Backend API for price comparison across sellers.  **Possible Blockages:** Inconsistent price fetching due to API rate limits. | **Tasks to be Completed:** UI for displaying price comparison results.  **Possible Blockages:** UI layout inconsistencies when comparing multiple sellers. | **Tasks to be Completed:** Implemented discount management system.  **Possible Blockages:** Discount rules not applying correctly to different book categories. | **Tasks to be Completed:** Developed UI for sellers to set and manage discounts.  **Possible Blockages:** Overlapping discount conflicts when multiple promotions exist. |
| Daily Standup  28 Apr, 2025 | Daily Standup  29 Apr, 2025 | Daily Standup  30 Apr, 2025 | Daily Standup  1 May, 2025 | Sprint Review  2 May, 2025  Demo price comparison and discount system. |
| **Tasks to be Completed:** Frontend-backend integration for price comparison and discounts.  **Possible Blockages:** Real-time price updates taking too long to reflect. | **Tasks to be Completed:** Validated discount rules and ensured correct application.  **Possible Blockages:** UI not updating when discounts expire. | **Tasks to be Completed:** Bug fixes in price calculation logic.  **Possible Blockages:** Rounding errors in final pricing display. | **Tasks to be Completed:** UI refinements and improved performance for discount calculations.  **Possible Blockages:** Edge cases where sellers had conflicting price overrides. | **Sprint Retrospective**  **Do's:** Ensure all sellers follow platform discount policies.  **Don'ts:** Avoid implementing price fetching without API caching. |

**Sprint 6**

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| Sprint Planning  5 May, 2025 | Daily Standup  6 May, 2025 | Daily Standup  7 May, 2025 | Daily Standup  8 May, 2025 | Daily Standup  9 May, 2025 |
| Assign tasks for developing admin dashboard features.  **Acceptance Criteria:**   Admin dashboard layout implemented   Seller approvals and sales reports working   Role-based admin access applied   Dispute and order monitoring tested   Secure admin controls verified | **Tasks to be Completed:** Designed admin panel layout for seller approvals & analytics.  **Possible Blockages:** Overlapping dashboard permissions between admin roles. | **Tasks to be Completed:** Backend API for managing seller approvals.  **Possible Blockages:** Approval logic conflict with existing platform rules. | **Tasks to be Completed:** Integrated subscription tracking for admins.  **Blockages:** Subscription upgrades not properly reflecting in admin view. | **Tasks to be Completed:** Implemented sales analytics dashboard for sellers.  **Possible Blockages:** Graphical representation of data not rendering correctly |
| Daily Standup  12 May, 2025 | Daily Standup  13 May, 2025 | Daily Standup  14 May, 2025 | Daily Standup  15 May, 2025 | Sprint Review  16 May, 2025  Demo admin dashboard functionalities. |
| **Tasks to be Completed:** Improved dashboard user experience.  **Possible Blockages:** Performance issues when loading large amounts of data. | **Tasks to be Completed:** Finalized secure access controls for admin.  **Possible Blockages:** Unauthorized access loopholes detected. | **Tasks to be Completed:** Bug fixes and testing of admin dashboard features.  **Possible Blockages:** Incorrect data filtering in reports. | **Tasks to be Completed:** Optimized dashboard performance for high traffic.  **Possible Blockages:** Some admin actions taking too long to execute. | **Sprint Retrospective**  **Do's:** Prioritize security in admin role management.  **Don'ts:** Avoid complex admin workflows that slow down approvals. |

**Sprint 7**

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| Sprint Planning  19 May, 2025 | Daily Standup  20 May, 2025 | Daily Standup  21 May, 2025 | Daily Standup  22 May, 2025 | Daily Standup  23 May, 2025 |
| Assign tasks for customer review & rating system.  Define review posting flow, including verified purchase requirements  **Acceptance Criteria:**   Only verified buyers can review   Ratings show correct average   Reviews can be added, edited, deleted   Pagination and filtering added   Spam or invalid entries blocked | **Tasks to be Completed:** UI for review submission and rating system.  **Possible Blockages:** UI alignment issues causing text overlap in review section. | **Tasks to be Completed:** Backend API for submitting, retrieving, and managing reviews.  **Possible Blockages:** Incorrect review timestamps due to database synchronization delays. | **Tasks to be Completed:** Integrated frontend with backend API for customer reviews.  **Possible Blockages:** Rating system not correctly displaying aggregated scores. | **Tasks to be Completed:** Implemented verified purchase restrictions (only buyers can leave reviews).  **Possible Blockages:** UI freeze when displaying too many reviews. |
| Daily Standup  26 May, 2025 | Daily Standup  27 May, 2025 | Daily Standup  28 May, 2025 | Daily Standup  29 May, 2025 | Sprint Review  30 May, 2025  Demo customer review & rating system. |
| **Tasks to be Completed:** Enhanced review filtering options (sort by rating, date).  **Possible Blockages:** Slow response time when fetching large sets of reviews. | **Tasks to be Completed:** Bug fixes in review posting and deletion.  **Possible Blockages:** API validation failing for reviews with special characters. | **Tasks to be Completed:** Added pagination for reviews to improve loading speed.  **Possible Blockages:** Edge cases where some reviews were missing after pagination. | **Tasks to be Completed:** UI refinements for displaying customer feedback and review statistics.  **Possible Blockages:** Data inconsistency between review counts in product listing and product page. | **Sprint Retrospective**  **Do's:** Ensure reviews are linked to verified purchases.  **Don'ts:** Avoid allowing unverified users to leave reviews. |

**Sprint 8**

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| Sprint Planning  2 June, 2025 | Daily Standup  3 June, 2025 | Daily Standup  4 June, 2025 | Daily Standup  5 June, 2025 | Daily Standup  6 June, 2025 |
| Assign testing, performance optimization, and deployment tasks.  **Acceptance Criteria:**   Full system tested and debugged   Security checks completed   CI/CD setup functional   Site deployed successfully   Uptime and performance targets met | **Tasks to be Completed:** Ran API performance tests and identified bottlenecks.  **Possible Blockages:** High latency in backend API responses under heavy load | **Tasks to be Completed:** UI/UX refinements to improve navigation and responsiveness.  **Possible Blockages:** Mobile version UI glitches in checkout process. | **Tasks to be Completed:** Security testing (SQL injection, XSS, and authentication bypass tests).  **Possible Blockages:** Found security vulnerabilities in session management. | **Tasks to be Completed:** Fixed all identified security vulnerabilities.  **Possible Blockages:** Some test cases still failing in payment gateway validation. |
| Daily Standup  9 June, 2025 | Daily Standup  10 June, 2025 | Daily Standup  11 June, 2025 | Daily Standup  12 June, 2025 | Sprint Review  13 June, 2025  Platform successfully launched. |
| **Tasks to be Completed:** Set up deployment environment (server, database, and CI/CD pipeline).  **Possible Blockages:** Configuration mismatch causing deployment errors. | **Tasks to be Completed:** Migrated database and tested production environment.  **Possible Blockages:** Data inconsistency issues after migration. | **Tasks to be Completed:** Performed load testing and ensured high-traffic stability.  **Possible Blockages:** High CPU usage when processing multiple transactions simultaneously. | **Tasks to be Completed:** Final deployment checks Ensured all core features work seamlessly.  **Possible Blockages:** Minor UI inconsistencies in dark mode and mobile view. | **Sprint Retrospective**  **Do's:** Conduct thorough testing before deployment.  **Don'ts:** Avoid major last-minute changes before launch. |