Saadet

UC Name	*UC-SMU1 Scheduled Maintenance and Updates*
Summary	*Scheduled maintenance and updates should be performed during off-peak hours to minimize downtime and disruptions to users.*
Dependency	*No dependency*
Actors	*System developers and IT department*
Preconditions	*1. The system is operational and accessible to administrators.* *2. There is a predefined schedule for maintenance and updates.*
Description of the Main Sequence	● *Step 1: System administrators review the maintenance and update schedule.* ● *Step 2: Administrators schedule maintenance tasks (e.g., software updates, database optimizations) during off-peak hours to minimize user impact.* ● *Step 3: Users are notified in advance about scheduled maintenance and possible downtime.*
Description of the Alternative Sequence	
Non functional requirements	● *Maintenance tasks should be planned and executed efficiently to reduce downtime.* ● *Notifications about maintenance activities and expected downtime should be communicated clearly to users through appropriate channels (e.g., email, system announcements).*
Postconditions	*Scheduled maintenance and updates are performed seamlessly, minimizing disruptions to users and ensuring system stability and performance.*

UC Name	UC-DP1 Define Permissions
Summary	*Administrators should be able to define functionalities, restriction for each user role.*
Dependency	*No dependency*
Actors	*Bookstore administrators*
Preconditions	1. *The system is operational and accessible to administrators.* 2. *Administrators have the sufficient privilege to modify user roles and permissions.*
Description of the Main Sequence	● *Step 1: Administrator logs in to the system.* ● *Step 2: They navigate to the user management section. Or search for a specific user and navigate to the user management section.* ● *Step 3: Administrators select a user role they want to define permissions for.* ● *Step 4: They select the permissions and restrictions they want to apply to the user role (e.g. editing privileges)* ● *Step 5: All changes made are saved and applied to the system.*
Description of the Alternative Sequence	
Non functional requirements	● *The user management interface should be user-friendly, providing clear options and explanations for each permission setting.* ● *System updates after modifying the permissions should take effect immediately without the interference of manual help or system restarts.*
Postconditions	*Administrators define permissions and modify them according to the selected role, ensuring appropriate access rights and restrictions are in place.*

UC Name	UC-SR1: Select Profile/Role
Summary	*Users should be able to register as the role they have and be granted access based on their assigned role to prevent unauthorized modifications and access to information.*
Dependency	*No dependency*
Actors	*All the users of the system (bookstore staff, customers)*
Preconditions	1. *The system is operational and accessible to every user of the system.* 2. *Users have valid credentials to log in to the system.*
Description of the Main Sequence	● *Step 1: Users log in to the system using their credentials.* ● *Step 2: Upon logging in, users are presented with clear and organized options to select their user role.* ● *Step 3: The system verifies the user;s assigned role and grants access based on the permissions associated with that role.* ● *Step 4: Users are then directed to the appropriate homepage or interface based on the role they selected.*
Description of the Alternative Sequence	
Non functional requirements	● *The roles selection process should be straightforward and require minimal user input.* ● *The page to select the role should be organized and clear providing images and buttons so any user can understand.* ● *Access rights should be enforced according to the chosen role.*
Postconditions	*Users can login according to their role and they are granted access to the system based on their profile.*

UC Name	UC-SRA1
Summary	*Administrators should have the capability to revoke and suspend access privileges for user roles to ensure compliance and security.*
Dependency	*No dependency*
Actors	*Bookstore administrators*
Preconditions	1. *The system is operational and accessible to every user of the system.* 2. *Administrators have the sufficient privilege and right to access and manage user roles and permissions.*
Description of the Main Sequence	● *Step 1: Administrators log in using their credentials.* ● *Step 2: They navigate to the user management section or access control settings.* ● *Step 3: Select the user role they want to revoke or suspend access for.* ● *Step 4: Administrators choose the duration or specify the action for the selected user roles.*
Description of the Alternative Sequence	
Non functional requirements	● *The suspension/revocation process should be auditable, logging the actions taken and reasons for suspension/revocation.* ● *Notifications should be sent to affected users informing them of the changes to their access privileges.*
Postconditions	*Administrators successfully revoke/suspend access privileges for the selected user roles, and the users are notified for the changes.*

UC Name	*UC-SFU1 Search for Users*

Summary	*Administrators should be able to search for users using certain filters like user role to make finding and retrieving information of user is easier.*
Dependency	*No dependency*
Actors	*Bookstore administrators*
Preconditions	1. *The system is accessible and operational.* 2. *Administrators have logged in and have full access to the system.*
Description of the Main Sequence	● *Step 1: Administrators log in to the system using their credentials.* ● *Step 2: Administrators navigate to the search bar inside the user management section.* ● *Step 3: Administrators enter search criteria by filters like the name of the user, role etc.* ● *Step 4: The system displays a list of users matching the search criteria.* ● *Step 5: Administrators can view information and perform actions for the selected users.*
Description of the Alternative Sequence	
Non functional requirements	● *The search functionality should support advanced filters and provide accurate search results in max 2 seconds.* ● *Search results should be displayed in a clear and organized way, facilitating easy navigation and decision-making for administrators.*
Postconditions	*Administrators successfully search for users based on specified criteria, allowing them to manage user information and access effectively.*

UC Name	UC-UI1: Intuitive User Interface
Summary	*The user interface should be intuitive and user-friendly, requiring minimal training for bookstore staff and customers to navigate and use the system.*
Dependency	*No dependency*
Actors	*Bookstore staff and customers*
Preconditions	3. *The system is accessible and operational.* 4. *Users have access to the system.*
Description of the Main Sequence	● *Step 1: Users log in to the system using their credentials.* ● *Step 2: Upon logging in users are presented with a clear and organized homepage.* ● *Step 3: The interface includes easily identifiable navigation menus, buttons, and icons for different functionalities.* ● *Step 4: Users can perform actions such as searching for books, updating their profiles, managing inventory etc., with minimal effort and without needing extensive training.*
Description of the Alternative Sequence	
Non functional requirements	● *The user interface should prioritize simplicity, consistency, and logical layout to enhance usability.* ● *Visual elements (e.g., colors, fonts, icons) should be chosen to aid in information hierarchy and user understanding.* ● *The interface should be responsive and compatible with various devices (desktops, tablets, mobile phones) to accommodate different user preferences.*
Postconditions	*Users can navigate the system effectively and perform tasks without confusion, leading to improved user satisfaction and*

	productivity.

Selma

UC Name	*UC-BBC Browse Books by Categories*
Summary	*The system allows customers to search for books based on various criteria*
Dependency	*No dependency*
Actors	*Customer: The primary actor who initiates the use case* *Secondary actors :* *Administrator: An administrative user who manages the categories, genres, authors, or the overall book database within the system*
Preconditions	*Database Population: The database of books, including categories, genres, authors, and associated metadata, must be populated with relevant information.* *User Authentication: If user authentication is required, the customer must be logged into the system with appropriate credentials.*
Description of the Main Sequence	● *Step1 :Customer Accesses the System* ● *Step2: Customer Chooses Browsing Option* ● *Step3: System Displays Relevant Books* ● *Step4: Customer Reviews and Selects a Book* ● *Step5: Customer Exits Browsing*
Description of the Alternative Sequence	● *Step1: Customer Accesses the System* ● *Step2: Customer Searches for Specific Book* ● *Step3: System Retrieves and Displays Book* ● *Step4: Customer Exits*
Non functional requirements	*The user interface shall be designed to be intuitive and easy to navigate, with clear labels* *The system shall ensure the accuracy and consistency of book listings by regularly synchronizing data with the central book database.*
Postconditions	*Book listings presented to the customer match the selected criteria and are relevant to the customer's browsing preferences.* *The customer has interacted with the displayed book listings, possibly selecting a book for further details or adding it to their cart for purchase.*

	The customer has completed their browsing session with a satisfactory experience, finding relevant books of interest within the system.

UC Name	*UC-FBC Filter Books by Criteria*
Summary	*The requirement enables managers to refine book listings based on multiple criteria such as genre, author, publication date, and format.*
Dependency	*No dependency*
Actors	*Manager: Initiates the action of filtering books by multiple criteria within the bookstore management system* *Secondary Actors:* *Administrator:has access to view the books and make changes if necessary.*
Preconditions	*The "Manager" is logged into the bookstore management system.* *The bookstore management system is operational and accessible.*
Description of the Main Sequence	• *The "Manager" logs into the bookstore management system.* • *The "Manager" selects the option to filter books.* • *The system presents filtering options such as genre, author, publication date, and format.* • *The "Manager" chooses one or more criteria to refine the book listings* • *The system retrieves books matching the selected criteria.* • *The system displays the filtered book listings to the "Manager."* • *The "Manager" reviews the listings and may make changes or take further action as needed.*
Description of the Alternative Sequence	• *Step1: The "Manager" logs into the bookstore management system.* • *Step2:Manager searches for a book* • *Step3: The system presents the book with relevant information* • *Step4: Manager chooses to edit and filter book* • *Step5 : Manager filters the book as desired* • *Step6: System updates the book info*
Non functional requirements	*The system shall provide feedback to the Manager during the filtering process to indicate the progress and status of the operation.* *The system shall be capable of handling simultaneous book filtering*

	requests from multiple Managers without a significant decrease in performance.
Postconditions	The system displays book listings filtered according to the criteria selected by the Manager. The Manager has reviewed the filtered book listings and may have made changes or taken further action based on the results. If the Manager made any changes or updates during the filtering process, these changes are reflected in the system and saved accordingly.

UC Name	UC-CCM Category and Classification Management
Summary	The requirement enables administrators to add new categories and classifications to the system and assign books to multiple categories, facilitating effective organization and navigation of book listings.
Dependency	*No dependency*
Actors	Administrator: The primary actor responsible for managing categories and classifications within the system.
Preconditions	The administrator is logged into the system with appropriate permissions. The book database is populated with existing categories and classifications, if any.
Description of the Main Sequence	● The administrator logs into the system and accesses the category and classification management feature. ● The administrator adds a new category or classification, providing necessary details. ● The system validates the input and adds the new category or classification to the database. ● The system updates the book database accordingly. ● The administrator exits the category and classification management feature
Description of the Alternative	● The administrator logs into the system and accesses the category and classification management feature. ● Instead of adding a new category or classification, the

Sequence	administrator modifies an existing one.
	● The system presents options for editing the selected category or classification.
	● The administrator makes the necessary changes to the category or classification details.
	● The system validates the modifications and updates the database accordingly.
Non functional requirements	Access to the category and classification management feature shall be restricted to authorized administrators with appropriate permissions. Backup mechanisms shall be in place to restore category and classification data in case of system failures or errors.
Postconditions	The category or classification database has been updated to reflect any additions, modifications, or deletions made by the administrator. The system provides confirmation to the administrator that the category or classification management tasks were completed successfully. The system remains in a stable and operational state, ready to handle further category and classification management tasks as needed.

Stefano

UC Name	UC-FCP1 Forms of Contact Providement
Summary	The users shall be provided with multiple source of contact in case of maintenance or of other various reasons the in app feedback cannot be accessed by the user
Dependency	No dependency
Actors	Bookstore staff and customers
Preconditions	1. The system is accessible and operational. 2. Users have access to the system.
Description of the Main Sequence	● Step 1: The bookstore staff uploads the bookstores email and/or phone number in the app
	● Step 2: The users contact them with the information provided by the bookstore staff

UC Name	UC-INF1: In App Feedback
Summary	*The user shall have the ability to provide feedback the the bookstore staff without the having the need to exit the app*
Dependency	*No dependency*
Actors	*customers*
Preconditions	1. *The system is accessible and operational.* 2. *Users have access to the system.*
Description of the Main Sequence	● *Step 1: Users log in to the system using their credentials.* ● *Step 2: Upon logging in users are presented with a clear and organized homepage.* ● *Step 3: The interface includes easily identifiable navigation menus, buttons, textboxes and icons for different functionalities.* ● *Step 4: Users write their feedback on the textbox*

	provided and submit it
Description of the Alternative Sequence	
Non functional requirements	● *The users feedback shall reach the bookstore staff within 10 seconds*
Postconditions	*Users can navigate the system effectively and perform tasks without having the need to exit the app, leading to improved user satisfaction and productivity.*

UC Name	*UC-FDS1 Feedback Display Section*
Summary	*The bookstore staff shall be provided with a designated feedback display section where all users feedback are displayed in real time.*
Dependency	*No dependency*
Actors	*Bookstore staff*
Preconditions	1. *The system is accessible and operational.* 2. *Users have access to the system.*
Description of the Main Sequence	● *Step 1: The bookstore staff logs in using their credentials* ● *Step 2: Upon logging in users are presented with a clear and organized homepage.* ● *Step 3: The bookstore staff navigates through the app in order to find the Feedback Display Section*

	● *Step 4: The bookstore staff can response to various feedbacks listed*
Description of the Alternative Sequence	
Non functional requirements	● *The users feedback shall reach the feedback display section within 10 seconds*
Postconditions	*The bookstore staff can look and response to feedback without having the need to exit the app.*

Klevis

UC Name	*Keeping track of the supplies*
Summary	*the software will keep track of the supplier name, book name, author name, and amount of books bought*
Dependency	*No dependency*
Actors	*Supplier and the Employee with supplying privileges*
Preconditions	1. *The system is operational and accessible to Users.* 2. *Users have access to the system*
Description of the Main Sequence	1. *The Employee with the right privileges enters the data needed to the system* 2. *The system is updated accordingly*
Description of the Alternative Sequence	
Non functional requirements	● *The Employee should have clear communication with the supplier* ● *The scheduled time for the supply should be reported beforehand*
Postconditions	*Users and the employees can see new books added on the catalog if there are new books added*

UC Name	*Keeping track of the expenses*
Summary	*the software will keep track of the expenses after the store is supplied*
Dependency	*Keeping track of the supplies*
Actors	*Employee with supplying privileges*
Preconditions	1. *The system is operational and accessible to Users.* 2. *Users have access to the system*
Description of the Main Sequence	1. *The Employee with the right privileges enters the data needed to the system* 2. *The system is updated accordingly* 3. *The system calculates the expenses by the supply*
Description of the Alternative Sequence	
Non functional requirements	● *The Employee should have clear communication with the supplier*
Postconditions	*The Employees can see the expenses of the last supply*

UC Name	Keeping track of the book prices
Summary	the software will also keep track of the original price of the book and price the book was actually bought
Dependency	Keeping track of the supplies
Actors	Employee with supplying privileges
Preconditions	1. The system is operational and accessible to Users. 2. Users have access to the system
Description of the Main Sequence	1. The Employee with the right privileges enters the data needed to the system 2. The system is updated accordingly
Description of the Alternative Sequence	
Non functional requirements	● The Employee should have clear communication with the supplier
Postconditions	The Users and Employees can see prices of the books supplied. The system can generate calculations according to the information added

UC Name	Keeping track of the stock
Summary	the software will update the stock by the number of books supplied
Dependency	Keeping track of the supplies
Actors	The Software
Preconditions	1. The system is operational and accessible to Users. 2. Users have access to the system
Description of the Main Sequence	1. The system caculates the amount of stock added by the last supply 2. The system is updated accordingly
Description of the Alternative Sequence	
Non functional requirements	● The Employee should have clear communication with the supplier
Postconditions	The Users and Employees can see the stock of new books added in the last supply of the updated stock of existing books

Rei Xhemo

UC Name	Search Functionality
Summary	Customers can search for books by title, author, genre, or keyword. Search results should be accurate and relevant to the customer's query.
Dependency	None
Actors	Customer
Preconditions	Customer is logged in and has access to the search feature.
Description of the Main Sequence	
Step 1:	Customer enters a search query (title, author, genre, or keyword).
Step 2:	The system retrieves relevant search results based on the query.
Step 3:	Search results are displayed to the customer for review.
Description of the Alternative Sequence	None
Non-functional requirements	Search results should be returned promptly, and the search interface should be user-friendly and intuitive.
Postconditions	Customer sees accurate and relevant search results based on their query.

Rei Xhemo

UC Name	Book Selection and Shopping Cart
Summary	Customers can select desired books from search results or browse categories. Selected books are added to a shopping cart for review and checkout.
Dependency	Search Functionality
Actors	Customer
Preconditions	Customer has performed a search or navigated to book categories.
Description of the Main Sequence	
Step 1:	Customer selects one or more books from search results or category listings.
Step 2:	Selected books are added to the shopping cart.
Step 3:	Customer reviews items in the shopping cart before proceeding to checkout.
Description of the Alternative Sequence	None
Non-functional requirements	The shopping cart should be updated dynamically and provide clear feedback to the customer about added items.
Postconditions	Customer has selected desired books and added them to the shopping cart.

Rei Xhemo

UC Name	Checkout Process
Summary	Customers can proceed to checkout after selecting books. The checkout process should be straightforward, with clear steps for entering payment and shipping information.
Dependency	Book Selection and Shopping Cart
Actors	Customer
Preconditions	Customer has items in the shopping cart and is ready to proceed with the purchase.
Description of the Main Sequence	
Step 1:	Customer clicks on the checkout button from the shopping cart page.
Step 2:	The system prompts the customer to enter payment and shipping information.
Step 3:	Customer reviews and confirms the order details.
Description of the Alternative Sequence	None
Non-functional requirements	The checkout process should be efficient, with minimal waiting time for customers.
Postconditions	Customer has completed the checkout process and provided payment and shipping information.

Rei Xhemo

UC Name	Order Confirmation
Summary	Customers receive confirmation of their purchase after completing the checkout process. The system generates an order summary and provides a confirmation email to the customer.
Dependency	Checkout Process
Actors	Customer
Preconditions	Customer has completed the checkout process.
Description of the Main Sequence	
Step 1:	The system generates an order summary for the customer.
Step 2:	An email confirmation is sent to the customer's provided email address.
Step 3:	Customer receives the order confirmation email.
Description of the Alternative Sequence	None
Non-functional requirements	The order confirmation email should be sent promptly after the checkout process is completed.
Postconditions	Customer receives confirmation of their purchase via email.

Segeraldo Doci

UC Name	Maintain Centralized Inventory Database
Summary	This use case involves updating a centralized inventory database in real-time to reflect changes in stock levels.
Dependency	None
Actors	System, Inventory Manager
Preconditions	- Inventory data must be accessible and modifiable.
Description of the Main Sequence	1. System receives updates on stock levels. 2. System updates the centralized inventory database in real-time.
Description of the Alternative Sequence	None
Non-functional requirements	- The system must ensure high availability and reliability of the inventory database. - Real-time updates should have minimal latency.
Postconditions	The centralized inventory database reflects the most current stock levels.

Segeraldo Doci

UC Name	View Detailed Book Information
Summary	Users can view detailed information about each book, including availability status, price, and format.
Dependency	None
Actors	User
Preconditions	- User interface must be accessible.
Description of the Main Sequence	1. User selects a book to view details. 2. System retrieves and displays book information.
Description of the Alternative Sequence	None
Non-functional requirements	- Information retrieval should be fast to provide a seamless user experience.
Postconditions	User has viewed detailed information about the selected book.

Segeraldo Doci

UC Name	Add Items to Shopping Cart and Checkout
Summary	Users can add items to their shopping carts, adjust quantities, and proceed with a secure checkout process.
Dependency	View Detailed Book Information
Actors	User
Preconditions	- User must be logged in. - User must have items in the shopping cart.
Description of the Main Sequence	1. User adds items to the shopping cart. 2. User adjusts quantities as needed. 3. User proceeds to checkout.
Description of the Alternative Sequence	None
Non-functional requirements	- Checkout process should be secure and encrypted. - System should provide feedback on successful or failed transactions.
Postconditions	User has completed the checkout process and items are removed from the shopping cart.

Segeraldo Doci

UC Name	Administrator Tools for Inventory Management
Summary	Administrators have access to tools for updating inventory levels, managing orders, processing returns, and generating sales reports.
Dependency	Maintain Centralized Inventory Database
Actors	Administrator
Preconditions	- Administrator must be logged in.
Description of the Main Sequence	1. Administrator accesses inventory management tools. 2. Administrator updates inventory levels, manages orders, processes returns, or generates sales reports.
Description of the Alternative Sequence	None
Non-functional requirements	- Administrative actions should be performed efficiently. - Access to administrative tools should be restricted and secure.
Postconditions	Inventory data is updated or managed as per the administrator's actions.

Klavio Katiraj

UC Name	Analyze Sales Data and User Ratings
Summary	The system analyzes sales data and user ratings to identify best-selling books and trending titles.
Dependency	None
Actors	System, Analyst
Preconditions	- Sales data and user ratings must be available.
Description of the Main Sequence	1. System collects sales data and user ratings. 2. System analyzes data to identify best-selling and trending titles.
Description of the Alternative Sequence	None
Non-functional requirements	- Analysis should be performed efficiently to provide timely insights. - Data privacy and security measures must be followed.
Postconditions	Best-selling books and trending titles are identified for further processing.

Klavio Katiraj

UC Name	Display Best Seller Categories
Summary	A dedicated section of the website displays best seller categories, showcasing top-performing books based on predefined metrics.
Dependency	Analyze Sales Data and User Ratings
Actors	User
Preconditions	- Best-selling books data must be available.
Description of the Main Sequence	1. User navigates to the best seller section. 2. System displays categories and top-performing books within each category.
Description of the Alternative Sequence	None
Non-functional requirements	- Website section should be visually appealing and easy to navigate.
Postconditions	User views top-performing books within best seller categories.

Klavio Katiraj

UC Name	Update Best Seller Categories
Summary	The system regularly updates best seller categories to reflect current trends and user preferences.
Dependency	Analyze Sales Data and User Ratings
Actors	System, Administrator
Preconditions	- Best-selling books data must be available.
Description of the Main Sequence	1. System identifies new trends and user preferences. 2. System updates best seller categories accordingly.
Description of the Alternative Sequence	None
Non-functional requirements	- Updates should be performed at regular intervals.
Postconditions	Best seller categories reflect current trends and user preferences.

Klavio Katiraj

UC Name	Filter Search Results by Best-Selling Books
Summary	Users have the option to filter search results by best-selling books within specific categories or genres.
Dependency	Display Best Seller Categories
Actors	User
Preconditions	- Best-selling books data must be available.
Description of the Main Sequence	1. User performs a search on the website. 2. User selects the option to filter by best-selling books. 3. System applies the filter to the search results.
Description of the Alternative Sequence	None
Non-functional requirements	- Filtering should be fast and responsive.
Postconditions	Search results are filtered based on best-selling books within the specified categories or genres.