Notes:  
1. Primary Actor = User Role  
2. Marked in **red** – need for either mock-ups or screenshots to be explained with

The Use Cases for the Book Trading Platform:

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_01 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | LogIn |
| Use Case Description | User LogIn with valid credentials |
| Primary Actor | User, Administrator |
| Precondition | Application loaded in the browser; Registered user |
| Trigger | None |
| Basic Flow | 1. Click on “**Administration Menu**” 2. “**LogIn Page**” is displayed 3. Input correct username and password 4. Click on “LogIn Button” 5. **Home page** is displayed and in the **top right corner the username of the logged user** |
| Alternate Flows | * If incorrect username and password has been input on step 2 of the basic flow – **display message “incorrect username of password”** |

Note: no scenario for forgotten password

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_02 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Confirm registration |
| Use Case Description | Confirm valid registration submitted through the “registration form” |
| Primary Actor | Administrator |
| Precondition | Administrator LoggedIn in the Book Trading Platform |
| Trigger | Notification received |
| Basic Flow | 1. Click on “**Administration Menu**” 2. **Administration menu items** is displayed 3. Click on the “Users” menu item 4. Click on the button “**Show Pending Registrations**” 5. Results are displayed in a grid-like structure:    1. username    2. user status    3. “**Approve**”/”**Dismiss**” buttons 6. Click the “Approve” button |
| Alternate Flows | * User registration disposal – the administrator clicks on the “**Dismiss**” button |

Note:

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_03 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Change Password |
| Use Case Description | User LogIn with valid credentials |
| Primary Actor | Administrator, User |
| Precondition | Logged In |
| Trigger | None |
| Basic Flow | 1. Click on Administration Menu 2. **Administration menu items** is displayed 3. Click on “**Change password**” 4. “**Change Password Page**” is displayed 5. Input the new password in the 1st field 6. Verify the new password by retyping it in the second field 7. Click on “Change Password Button” 8. **Message for successful change of password** is displayed |
| Alternate Flows | * If passwords does not match – display a **message for password mismatch** |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_04 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Register New User |
| Use Case Description | Register New User of type “user” with valid credentials |
| Primary Actor | Guest |
| Precondition | Application loaded in browser |
| Trigger | None |
| Basic Flow | 1. Click on Administration Menu 2. **Administration menu items** is displayed 3. “**LogIn Page**” is displayed 4. Click on the “**Register**” button 5. Registration prompt is displayed 6. Populate the fields    1. Username    2. Password    3. Retype password    4. Email    5. Name    6. Surname    7. City    8. Address 7. Click on “Register Button” |
| Alternate Flows | * If passwords does not match – display a **message for password mismatch** * Fields “Username” and “Password”/”Retype password” are mandatory and if any of them is not populated display **message for mandatory requirement** * If any of the non-mandatory fields is not populated – continue with user registration but with limited parameters * If “Exit” button is clicked then go back to the previous screen |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_05 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Search |
| Use Case Description | Basic search functionality |
| Primary Actor | Administrator, User, Guest |
| Precondition | Application logged in browser |
| Trigger | None |
| Basic Flow | 1. Choose a “**Category**” 2. Input title, wildcards possible 3. Click on “**Search**” button |
| Alternate Flows | * If any(or all) of the fields is not populated execute the search action with the limited parameters input * If the user logged in is the “Administrator” – in Column 3 – there is “edit” button instead |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_06 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Advanced Search |
| Use Case Description | Description of the Advanced Search Functionality |
| Primary Actor | Administrator, User |
| Precondition | Logged In |
| Trigger | None |
| Basic Flow | 1. Click on the “**Advanced Search**” menu 2. Advanced Search options are displayed    1. Book Name – input text with wildcards    2. Book Category – pick-up value input type    3. Book Price – choose range(range is chosen with input in two fields – one for min value and one for max value) 3. Input values for all search fields 4. Click on button “Search” 5. Results are displayed in a grid    1. Column 1 – thumbnail    2. Column 2 – description    3. Column 3 – price    4. Column 4 – category name    5. Column 5 – purchase button |
| Alternate Flows | * If any(or all) of the fields is not populated execute the search action with the limited parameters input * If the user logged in is the “Administrator” – in Column 5 – there is “edit” button instead |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_7 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Add Item to Shopping Cart |
| Use Case Description | Adding a book in the shopping cart |
| Primary Actor | User |
| Precondition | Logged In |
| Trigger | None |
| Basic Flow | 1. Click on the title of the book wanted 2. Book description is displayed with information for    1. Title    2. Author    3. Category    4. Price    5. Picture of the book cover    6. Notes    7. Hyperlink to review of the book in Amazon 3. Input the quantity of books wanted 4. Click on button “Add to Shopping Cart” button 5. Book is added in the shopping cart |
| Alternate Flows |  |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_16 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | View shopping cart items |
| Use Case Description | View the items in the shopping cart |
| Primary Actor | User |
| Precondition | Logged In |
| Trigger | None |
| Basic Flow | 1. Click on the “**Shopping Cart**” button 2. Shopping Cart windows is displayed with information for:    1. Books added in the Shopping Cart    2. Price of each book    3. The sum of money wanted for all of the books added in the Shopping Cart 3. “Check out” button is displayed 4. “Detail” button is displayed on the left side of the title 5. “Continue shopping” button is displayed |
| Alternate Flows |  |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_8 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Update Item Information in the Shopping Cart |
| Use Case Description | Updating the quantity of a book in the shopping cart |
| Primary Actor | User |
| Precondition | Logged In; At least one book added in the Shopping Cart; “**Shopping Cart**” window is active |
| Trigger | None |
| Basic Flow | 1. Click on the “Detail” button 2. A modification of the selected item is displayed:    1. Books added in the Shopping Cart    2. Modifiable field for the item quantity    3. Price of the book    4. Small button for confirmation of the change    5. Small button for item disposal 3. Click on the “small confirm button” button to save the changes |
| Alternate Flows | * If the “Check out” button is clicked, the changes will be automatically saved * If the application is closed, the changes won`t be saved * If “delete button” is pressed, the item is removed from the shopping cart |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_9 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Checkout Shopping Cart |
| Use Case Description | Execute the purchase |
| Primary Actor | User |
| Precondition | Logged In; At least one book added in the Shopping Cart; “**Shopping Cart**” window is active |
| Trigger | None |
| Basic Flow | 1. Click on the “**Checkout**” button 2. “**Confirm Address**” dialog window is displayed 3. Click on the “**Confirm**” button 4. “**Successful purchase**” pop-up is displayed 5. Empty the Shopping Cart 6. Redirect to Home page |
| Alternate Flows | * Editing of the purchase address is available - if edited, the new address is used further in the purchase * Confirmation of the purchase can be canceled – if clicked on the “**Cancel**” button, the “**Shopping Cart**” window is displayed |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_10 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Rate a book |
| Use Case Description | Give rating to a book |
| Primary Actor | User |
| Precondition | Logged In; Book description is active |
| Trigger | None |
| Basic Flow | 1. Click on the dropdown menu 2. Numbers from 1 to 5 is displayed 3. Click on the rate wanted 4. Click on the “**Vote**” button 5. Vote is saved and the overall book rate is changed |
| Alternate Flows | * If the application is closed before clicking on the “**Vote**” button, vote is not saved |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_11 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Approve a new member |
| Use Case Description | Approve of a guest becoming a member |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” windows is active |
| Trigger | None |
| Basic Flow | 1. Click on the “**Members**” button 2. List of guests requested membership is displayed on the top of the page with a little checkbox on the left side of each one 3. Select guests to approve 4. Click on the “**Approve**” button 5. Guest becomes a member |
| Alternate Flows | * If the application is closed before clicking on the “**Approve**” button, guest is not approved to become a member |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_12 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Delete member |
| Use Case Description | Delete existing member |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” window is active; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Members**” menu 2. List of guests requested membership is displayed below the list of members requested membership with a little checkbox on the right side of each one 3. Select members to delete 4. Click on the “**Delete**” button 5. A confirmation dialog window is displayed 6. Click on “**Confirm**” |
| Alternate Flows | * If the application is closed before clicking on the “**Delete**” button or “**Confirm**”, members are not deleted |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_13 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Add a book |
| Use Case Description | Add a book in a category |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” window is active; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Books**” button 2. Click on the “**Add new**” button 3. Book form is displayed with fields for    1. Title    2. Author    3. Category    4. Price    5. Picture of the book cover    6. Notes    7. Hyperlink to review of the book in Amazon    8. “**Upload**” button for book cover image input 4. Input the information 5. Click on button “**Add**” button 6. Book is added in the selected category and visible for members |
| Alternate Flows | * If the application is closed before clicking on the “**Add**” button, book is not added |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_14 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Update a book |
| Use Case Description | Update information for added book |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” window is active; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Books**” button 2. Click on the “**Edit**” button, located on the left side of the book title 3. Book form is displayed with fields for    1. Title    2. Author    3. Category    4. Price    5. Picture of the book cover    6. Notes    7. Hyperlink to review of the book in Amazon    8. “**Upload**” button for book cover image input 4. Update the information 5. Click on button “**Update**” button 6. Edited information for the book is added and visible for members |
| Alternate Flows | * If the application is closed before clicking on the “**Update**” button, book information is not updated |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_15 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Delete a book |
| Use Case Description | Delete a book from the database of the site |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” window is active; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Books**” button 2. Click on the “**Edit**” button, located on the left side of the book title 3. Click on button “**Delete**” button, located on the right side of the title 4. A confirmation dialog window is displayed 5. Click on “**Confirm**” 6. Book is deleted |
| Alternate Flows | * If the application is closed before clicking on “**Confirm**”, book is not deleted |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_16 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Add new category |
| Use Case Description | Add new book category |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” window is active; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Category**” button 2. Click on the “**Inert**” button 3. A field is displayed 4. Enter a name for the new category 5. Click on “**Update**” button 6. New category is added |
| Alternate Flows | * If the application is closed before clicking on the “**Update**” button, book category is not added |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_17 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Updated category |
| Use Case Description | Update existing book category |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” window is active; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Category**” button 2. Click on the category name 3. A field with the book category name inside is displayed 4. Edit the name of the category 5. Click on “**Update**” button 6. Category is updated |
| Alternate Flows | * If the application is closed before clicking on the “**Update**” button, book category is not updated |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_18 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Search members |
| Use Case Description | Find registered member |
| Primary Actor | Administrator |
| Precondition | Logged In; “**Administrator**” window is active; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Member**” button 2. A field is displayed 3. Enter a letter or a whole name 4. Click on “**Search**” button 5. Member is found |
| Alternate Flows | * If the application is closed before clicking on the “**Search**” button, the entered letter/name won`t be saved |

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| **Use Case Element** | **Description** |
| Use Case Number | UC\_19 |
| Application | Chrome, Firefox, Edge browsers |
| Use Case Name | Logout |
| Use Case Description | Logout of the application |
| Primary Actor | User; Administrator |
| Precondition | Logged In; |
| Trigger | None |
| Basic Flow | 1. Click on the “**Logout**” button 2. A window with your username is displayed 3. Click on “**Logout**” button 4. User/Administrator is logged out the application and redirected to the “**Home page**” |
| Alternate Flows | * If the application is closed before clicking on the “**Logout**” button, you won`t be logged out |

Dictionary:

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| Term | Description | Visuals |
| Password mismatch message | When the values in “Password” and “Retype password” fields are different – display text “Values does match” | Color: 0xFF0000(red)  Font: Default |
| Message for mandatory requirement | Text “Mandatory” is displayed below the field that is described as mandatory | Color: 0xFF0000(red)  Font: Default |
| LogIn Page | Has to have “log in”, “register”, and “cancel” buttons |  |
| Confirm Address | Field with pre-loaded information of the address from the user profile  “Confirm”, “cancel” buttons |  |
| Successful purchase | Pop-up message with the following text: “Your order is successful!” |  |
| Small confirm button | Button to confirm the item change – with a tick in it | Color: 0x00FF00(green)  Font: Default  Shape: Square |
| Small delete button | Button to delete an item from the shopping cart – with a ‘x’ in it | Color: 0xFF0000(red)  Font: Default  Shape: Square |
| Correct username | Restrictions:   * not less than 3 symbols * no special characters |  |
| Correct password | Restrictions:   * not less than 8 symbols |  |
| Wildcards | Characters allowed:  “\*” – replaces any number of any type of character  “?” – replaces a single character of any type |  |
| Special characters | !@#$%^&\*()+-/\{}[];:’,.`~” |  |
| User Status | The Status of the users – available ones:   * Approved * Pending approval |  |