**E-Library service**

*Represents modern online library*

The main goal of the system is to simplify the process of searching books and authors. The service provides quick access to the main information about books and their authors available across the system. The system allows to manage items (books and authors) in a really easy way using comfortable modern interface. In addition, amongst options available, an end user can add books to the wish list and find out where the books he/she likes is available to buy.

**Subsystems**

***Book Management***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **№** | **Including Use Case** | **Use Case** | **Role** | **Description** | **Action Method** | **Tests** |
| BM1 | - | Edit book | Admin |  | Edit(EditBookViewModel model) |  |
| BM2 | - | Add book | Admin |  | Add(CreateBookViewModel model) |  |
| BM3 | - | Delete book | Admin |  | Delete(DeleteBookViewModel model) |  |

***Author Management***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** | **Including Use Case** | **Use Case** | **Role** | **Description** | **Action Method** |
| AM1 | - | Edit author | Admin |  | Edit(EditAuthorViewModel model) |
| AM2 | - | Add author | Admin |  | Add(AddAuthorViewModel model) |
| AM3 | - | Delete author | Admin |  | Delete(DeleteAuthorViewModel model) |

***Wish list Management***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** | **Including Use Case** | **Use Case** | **Role** | **Description** | **Action Method** |
| WM1 | - | Add to wish list | User |  | Add(AddToWishListViewModel model) |
| WM2 | - | Delete from wish list | User |  | Delete(DeleteFromWishListViewModel model) |

***Tests***

|  |  |  |  |
| --- | --- | --- | --- |
| **№** | **Test class** | **Test method** | **Code coverage** |
|  |  |  |  |
|  |  |  |  |

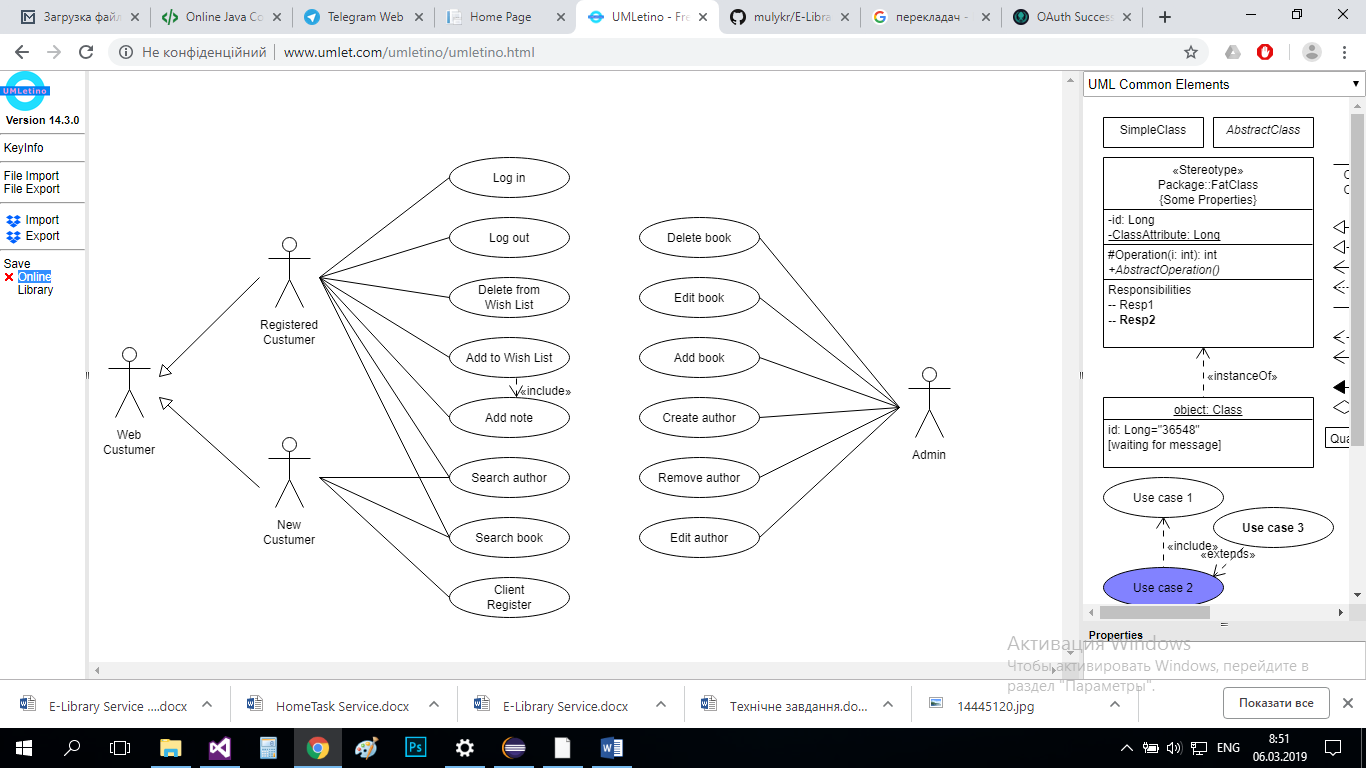
**Diagrams**

1. Use cases.

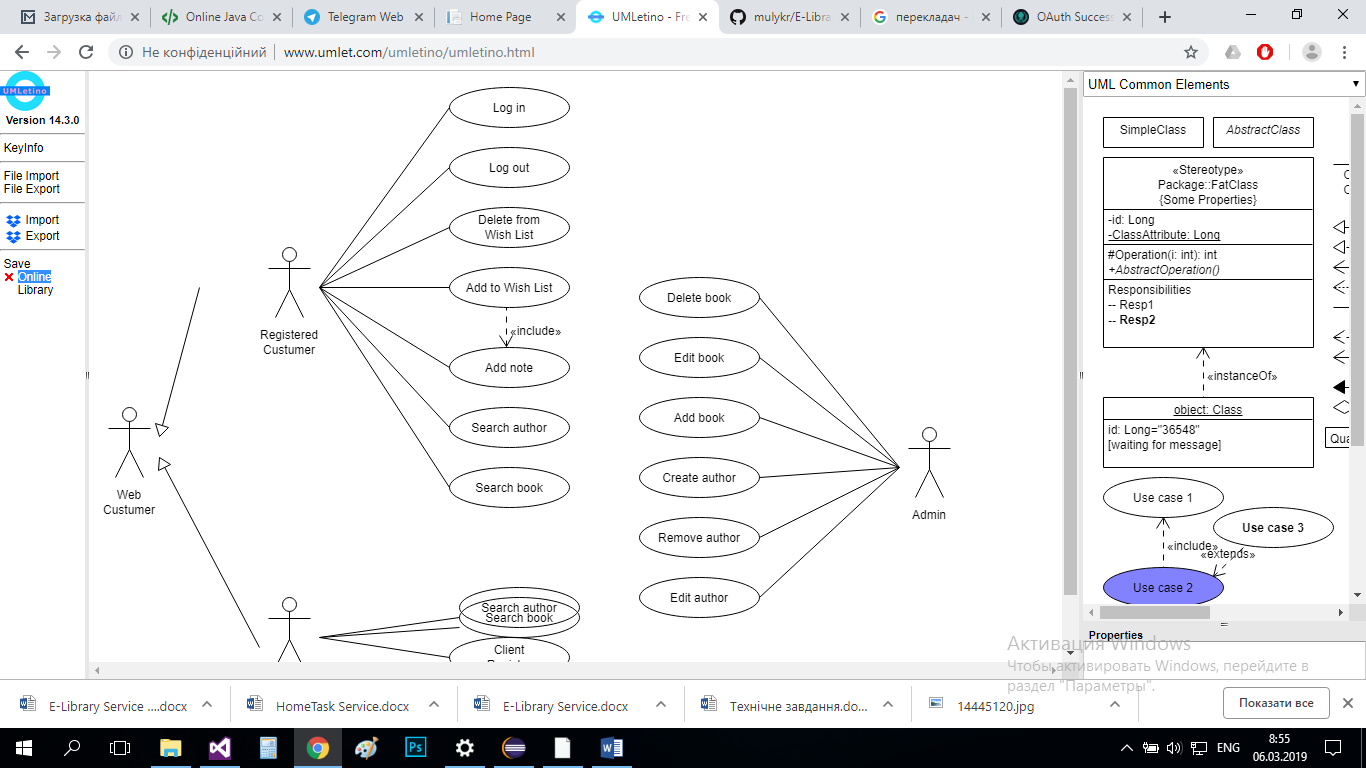
A close up of a map

Description automatically generated1.1 General use case diagram

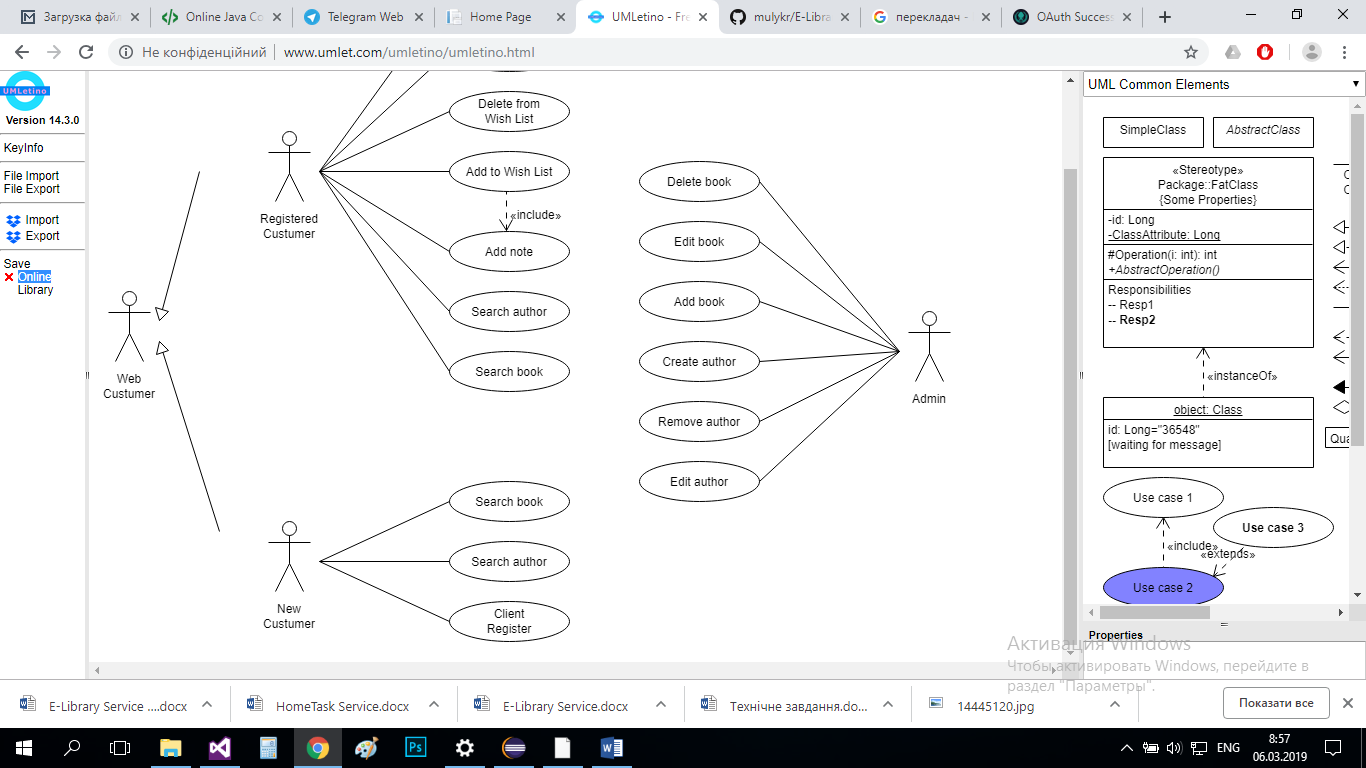
1.2 Use case for Admin role



* 1. Use case for registered user



* 1. User case for guest



1. Sequence.

1. Class.