**Use Case Descriptions**

|  |
| --- |
| 1. **User registration** |
| **Brief description:** The actor registers on the website |
| **Actors:** Unregistered user |
| **Precondition:** The actor wants to register |
| **Basic flow of events:**  1. The actor visits the website  2. The actor clicks on the “Join” button  3. The system asks for the required and optional data for registration  4. The actor provides his data  5. The system checks if all required data is provided  6. The system checks if all required data is valid  7. The system checks if the actor has a unique username  8. The system checks if the password is secure  9. The system registers the login credentials of the actor in an encrypted database  10. The system tells the actor if the registration was successful or not  11. The system logs the actor in  12. The actor can now use the services provided behind the login wall |
| **Extensions:**  4a. The actor cancels the registration  5a. The system asks the actor to provide the necessary data  6a. The system asks the actor to provide valid data  7a. The system asks the actor to provide a unique username  8a. The system asks the actor to provide a secure password |
| **Post-conditions:** The actor is registered |

|  |
| --- |
| 1. **User login** |
| **Brief description:** The actor logs in to the website |
| **Actors:** Registered user |
| **Precondition:** The actor wants to log in |
| **Basic flow of events:**  1. The actor visits the website  2. The actor clicks on the “Join” button  3. The system asks for the login credentials  4. The actor provides the login credentials  5. The system checks the login credentials  6. The system logs the actor in  7. The actor can now use the services provided behind the login wall |
| **Extensions:**  5a. The system asks the actor to provide valid user credentials |
| **Post-conditions:** The actor is logged in |

|  |
| --- |
| 1. **User password reset** |
| **Brief description:** The actor wants to reset his password |
| **Actors:** Registered user |
| **Precondition:** The actor wants to log in but can’t remember his password |
| **Basic flow of events:**  1. The actor visits the website  2. The clicks on the “Login” button  3. The system asks for the login credentials and provides the option to reset the password  4. The actor chooses to reset the password  5. The system ask for the username of the actor  6. The actor provides his username  7. The system checks if the username exists  8. The system asks the actor to answer one of three randomly picked questions asked during the registration  9. The actor answers the question  10. The system checks the question  11. The system asks for a new password  12. The user provides a new password  13. The system checks if the password is secure  14. The system logs the actor in |
| **Extensions:**  7a.The system asks to provide a valid username  10a. The system asks to provide a correct answer to the question  10aa. The system blocks the account, if the actor answers wrong for 3 times  13a. The system asks the actor to provide a secure password |
| **Post-conditions:** The actor has a new password |

|  |
| --- |
| 1. **Transaction History** |
| **Brief description:** The actor looks at his past actions regarding item transactions |
| **Actors:** Logged in user |
| **Precondition:** The actor wants to see his past actions |
| **Basic flow of events:**  1. The user clicks on the “History” button  2. The system shows the past actions of the actor regarding posted, sold, lent or purchased items  3. The system allows to filter posted, sold, lent or purchased items |
| **Extensions:** none |
| **Post-conditions:** The actor knows about his past actions regarding items |

|  |
| --- |
| 1. **Check the points in wallet** |
| **Brief description:** The actor wants to see the points in his wallet |
| **Actors:** Registered user |
| **Precondition:** The actor is logged in |
| **Basic flow of events:**  1. The actor clicks on the “Wallet” button  2. The system shows the actor how many points are in the wallet |
| **Extensions:** none |
| **Post-conditions:** The actor know how many points are in the wallet |

|  |
| --- |
| 1. **Default point in the wallet** |
| **Brief description:** The system grants every new registered user 100 points |
| **Actors:** Unregistered user |
| **Precondition:** The actor wants to register |
| **Basic flow of events:**  1. The actor registers on the website  2. The system grants to the actor exactly 100 points  3. The system checks if there are exactly 100 points in the wallet of the actor |
| **Extensions:**  3a. The system abords the registration if there are not exactly 100 points in the wallet of the actor |
| **Post-conditions:** After the registration the actor has 100 points in the wallet |