Blood Bank

Use-Case Model

Version 1.1

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 21/03/2018 | 1.0 | Use-Case model for the first version of the system | Dănilă Vlad-Mihai |
| 14/05/2018 | 1.1 | New use cases added | Dănilă Vlad-Mihai |

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Use-Case Model

# Use-Cases Identification

**Use case**: User registers in the application

**Level**: User-goal level

**Primary** **actor**: Donor

**Main** **success** **scenario**:

1. Donor opens the application
2. Donor selects Register button
3. Donor inputs personal info in the text fields
4. Donor choses a username and password
5. Donor chooses blood type
6. Donor agrees to donate blood
7. Donor selects the Register button
8. Donor receives a ”Registration successful” message

**Extensions:**

1. Donor opens the application
2. Donor selects Register button
3. Donor inputs personal info in the text fields
4. Donor choses a username and password
5. Donor chooses blood type
6. Donor agrees to donate blood
7. Donor selects the Register button
8. Donor receives an ”Not available username” error message
9. Donor enters a new username
10. Donor selects the Register button
11. Donor receives a ”Registration successful” message

**Use case**: User login using username and password

**Level**: User-goal level

**Primary** **actor**: Donor

**Main** **success** **scenario**:

1. Donor opens the application
2. Donor enters the username and password
3. Donor receives a message confirming the authentication
4. Donor login successfully completed

**Extensions:**

1. Donor opens the application
2. Donor enters the username and password
3. Donor receives an error message
4. Donor enters the username and password again
5. Donor receives a message confirming the authentication
6. Donor login successfully completed

**Use case**: Search Donor

**Level**: User-goal level

**Primary** **actor**: Patient

**Main** **success** **scenario**:

1. Patient selects Search Donor button
2. Patient enters the desired blood group
3. Patient receives a list with all persons registered with that blood group

**Extensions:**

1. Patient selects Search Donor button
2. Patient enters an invalid blood group
3. Patient receives an error message
4. Patient enters a valid blood group
5. Patient receives a list with all persons registered with that blood group

# UML Use-Case Diagrams

