Android Blood Bank

Use-Case Model

Version 1.0

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 |
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# 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 an username and a 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 an username and a 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

