

Use Case Name: Register

Actor(s): Patient, Donor, Volunteer

Description:

1. Input a valid mail address.
2. Check the mail address if any account has already been created with it earlier.
3. Input all required information.
4. Input a strong password and choose an identity as either Donor, Patient, or Volunteer.
5. Verify the user account.
6. Store new user accounts into the database.

Exception:

1. Required page not found.
2. No database connection.

Precondition:

1. URL of the 'Registration' hyperlink page.

Post-condition:

1. Successful – Create user successfully.
2. Unsuccessful – Stay on the same page, show correction message if the user gives incorrect inputs, otherwise don't show failure message.
3. Exception – Stay on the same page if possible.

Use Case Name: Request for Organ

Actor(s): Patient

Description:

1. Make a request for an unavailable organ.
2. Give required health information in the form to proceed.

Exception:

1. Required page not found.
2. No database connection.

Precondition:

1. Must login to the system.
2. User role has to be 'Patient'.
3. URL of 'Request for Organ' hyperlink page.

Post-condition:

1. Successful – Proceed user request successfully.
2. Unsuccessful – Stay on the same page, show correction message if the user has given incorrect inputs, otherwise don't show failure message.
3. Exception – Stay on the same page if possible.