RedPlus User Manual

1   First use

When you first use RedPlus you will be redirected to the Login page. If you have an account please enter your phone number and password.

Otherwise press Register in the navbar, and fill your information. Fields that have ***** are required.

After registering, navigate back to Login and login with your credentials.

2   Logged in as a user

After you get into the main page, you will be see the various options of the applications.

2.1   Notifications

You will see your Unread and Read notifications, you can read an unread notification by simply clicking on it.

Notifications are pushed to you whenever there is someone 2 kilometers or less that are in need for a blood donation that your blood type is suitable for.

You can see all the nearby blood requests by simply navigating to your main page (dashboard) or clicking Donate in the navbar.

2.2   Request blood

You can request blood either in the Dashboard or by clicking on Request in the navbar.

When you choose to request blood. The form will have your full name and your phone number as the requester contact information. You cannot change them. Yet you can select a blood type to request a blood transfusion for, because it is possible and frequent to request blood on behalf of a patient.

When you click Request, your blood request will be added to our database, a notification will be sent to every nearby user with a blood type that can donate to the requested type.

2.3   Donate

You can donate blood either in the Dashboard or by clicking on Request in the navbar.

When you choose to donate your blood, you can either donate to a facility for storage or donate to a nearby patient in need.

2.3.1   Donating to facility

All nearby facilities will be listed in the Select facility box. However you can select any facility to donate to if you wish.

If you search by a keywork, all facilities matching the keyword appear. Otherwise, a "No option" message appears. After selecting an existing facility, you can press Submit to place a donation request. A facility member will be in touch with you as soon as they receive your donation request.

If you choose to donate to nearby patients. All nearby blood requests will appear in cards format with the blood type and the post date. A green card means your blood type is suitable for that donation. A light-colored card means your blood type cannot be donated to them, but you can help find somebody with a suitable type.

Donate to people in need

Blood Type: O-	Blood Type: B-
Posted 0 minutes ago	Posted 4 days ago
Donate	Donate

If you click donate, a donation request will be placed, and a success message appears at the top-right corner. However, if you click donate again to the same blood requests an error message will appear.

RedPlus ⌂ Home ♡ Donate

⊘ Donation already exists ✕

Donate your blood

⚲ A single blood drop can give a new life ⚲

▥ Facility

Select facility   ⌄

Submit

Donate to people in need

Blood Type: O-	Blood Type: B-
Posted 4 minutes ago	Posted 4 days ago
Donate	Donate

3   Logged in as a medical expert

3.1   Functionalities of a user

A medical expert user will have all the permissions and functionalities of an app user. Notifications will appear for nearby people in need. Blood request and donation request are available for medical experts.

3.2   Functionalities of an expert

In addition, a medical expert can:

- see all donation requests placed.
- see donor's and receiver's information.
- accept a donation by a user to a patient or to a facility.
- transfer a donation by a donor from a user to a facility or from a facility to another facility.

3.2.1   Viewing pending donations

A medical expert can access their protected dashboard by clicking on Pending in the navbar. A pending section is where all pending donations reside waiting for an expert acceptance or transfer.

3.2.2   Accepting donations

Since there was a donation created by a user in the previous example. The donation now appears in the expert Pending dashboard as a green card, with a "Receiver" field if the donation is for a specific blood request by a patient, or a "Facility" field if the donation is for a specific facility.

The expert can click Accept to sign the donation as accepted and place himself responsible for that donation. The donor will receive a notification about that acceptance.

3.2.3   Transferring donations to a facility

The expert can also transfer the donation to a facility by clicking on the Transfer button.
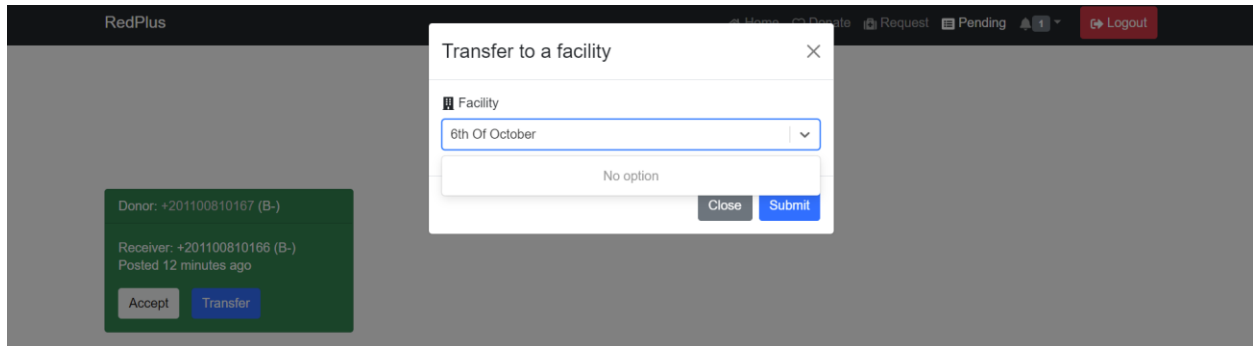
A popup will appear requiring the expert to enter the facility name, and if it exists, the expert can select it and press Submit to transfer the donation to that facility and the facility database collection will have the donation appended to it.

The expert is then responsible for contacting the donor to coordinate for the donation process.