OrgaNZ

User Manual

A live copy of this user manual is available at j.mp/Organzmanual.

Human Harvest Inc.

Table of Contents

1. Running the Application

1.1 Touchscreen Interface

The touch screen interface has been optimised to work on a Windows 10 touch screen device. To run the touch screen version of the UI, enter the following command from the target directory:

```
java -jar organz-client-<version>.jar --ui=touch
```

The touchscreen interface may be used by both administrators and clinicians. This provides a multi-user interface which allows for multiple clinicians to work on the same device at once.

1.2 Desktop Interface

The desktop interface can be run on any desktop environment. To run the application, the following command must be entered from the target directory:

```
java -jar organz-client-<version>.jar
```

1.3 Accessing the Server

The Organz server is hosted using a docker on http://csse-s302g7.canterbury.ac.nz.
If you wish to run the local server, run the application using the following command:

```
java -jar organz-client-<version>.jar --host=<local-server>
```

2. Login and setup

2.1 Client Login/Sign up

To login as a client, select “Log in” from the landing page. Then select the client that you would like to login as from the list.

To create a new client account, select “Sign up” from the landing page. Fill in the form then select “Create”. This will take you through to the profile page of the new client.

2.2 Staff Login/Sign up

To log in as either a clinician or an administrator, select “Login as staff” from the landing page. Input a username and password to login as an existing administrator or clinician.

Default login information:

Role	**Username (Staff ID)**	**Password**
Administrator	admin	[no password]
Clinician	0	clinician

∗ To differentiate between clinicians and administrators, clinicians are restricted to having numerical usernames, whereas administrators have alphanumeric usernames.

2.3 Loading data

The application can load data from csv files into the system. Doing so will overwrite all data currently in the system. Data may only be loaded from the desktop version of the application.

3. Permissions

The table below outlines the permissions of the three different user types:

1. Client
2. Clinician
3. Administrator

Action	**Admin**	**Clinician**	**Client**
View the profile of the logged in account	✓	✓	✓
Edit basic profile information of a client (name, DOB, gender, address, local hospital, height, weight, profile image)	✓	✓	✓
Update chosen organs to donate (A client may only update their own chosen organs)	✓	✓	✓
View and update the profile of any client in the system	✓	✓	
Create and edit transplant requests, medication information, and procedures	✓	✓	
Access the webview of a deceased client	✓	✓	
View list of all staff accounts	✓		
Access command line interface	✓		
Update settings for allowed countries	✓		
Update hospital transplant programs	✓		

∗ Other restrictions apply to what information may be updated, such as if a client is deceased.

4. Medical Information

4.1 Medications

The medications page shows all past and current medications that the client has taken. This information includes the duration that the client took the medication for. A client may view this page, but cannot edit anything.

Medication Ingredients:
Select a medication to see it's active ingredients. The medication selected must be a valid medication in order to view it's ingredients.

Drug interactions:
To see potential interactions between two medications, select two medications from the tables. If they have known interactions then they will be displayed.

4.2 Medical History

The medical history page displays all current and past illnesses of a client. For an illness to become a past illness it must be marked as cured.

Chronic illnesses - An illness may be marked as chronic. Chronic illnesses are indicated by a red chronic tag, this means that it cannot be cured. In order for a chronic illness to be marked as cured, it must first have the chronic tag removed this can only be done by either a clinician or admin

4.3 Procedures

The procedures page displays all past and upcoming procedures for the viewed client. Procedures may be linked to organs that they may affect. Pending procedures have a planned date, and become past procedures when this date has passed.

Transplant procedures:
Organ transplant procedures are also shown on the procedures page. These can be marked as completed using the "Complete Transplant" button

5. Organ-Recipient Matching

When a client has been marked as deceased, the organs that they have selected to donate become available to be matched up to clients on the transplant waiting list. Their spiderweb view will also be available.

5.1 Transplant Waiting List

All clients on the transplant waiting list can be viewed on the "Transplant Requests" page. These results can be filtered by their region, or by the organ that is being requested.

5.2 Available Organs

All currently available organs can be viewed on the "Organs to Donate" page. These results can be filtered by their region, or by the organ that is available.

In this table, a progress bar indicates how long there is until the organ will expire. The greyed out area at the end of the progress bar indicates the timeframe in which the organ may expire.

Selecting an organ will bring up a list of potential recipients for that organ. A recipient may be selected here, and a transplant scheduled between the organ selected and the potential recipient.

5.3 Web View

The web view of a deceased client displayed all the organs that they selected to donate, represented by icons. In the center of the webview is a summary of the deceased donor.
Icon badges - the numbered badges on the organ icons represent the number of potential recipients there are for that organ

To open a webview for a deceased client:

- ➔ From the dashboard, tap the web icon beside one of the deceased donors, or a soon to expire organ
- ➔ From a deceased clients page, select "Webview" from the sidebar

The organs displayed can have three different statuses:

1. **Expired** - The organ is no longer viable for transplantation as it has surpassed the maximum time for the transplant to take place. The icons for these organs are greyed out.
2. **Overridden** - An organ may be manually overridden, meaning that a clinician or admin has determined that it is no longer suitable for transplantation. An overridden organ has a black line.

3. **Available** - An available organ is one that is currently available to be matched to a potential recipient. The line connecting the organ to the donor displayed time left until the organ will expire.

5.4 Actions in the webview:

Action	**How to achieve**
View more details of the deceased donor or of a potential recipient	Double tap on the overview of the donor or recipient
Schedule a transplant request by matching up an organ and a potential recipient.	Tap and hold the potential recipient, and drag the organ over them. Release when the recipient panel glows to match them.
Cancel a transplant request	Tap and hold the chosen recipient, and drag the organ away from it. Release the organ to cancel the request
Toggl between displaying and hiding the potential recipients for an available organs	Single tap on the organ icon
Mark an organ as overriden (not viable), or undo the override of an organ	Triple tap the organ icon