Hajj – user - interface:

This is the first interface for the user. The user must scan his/her fingerprint. When the system matches it with the stored data; all needed hajj information will be appeared in the second interface – as shown in figure 2 -.
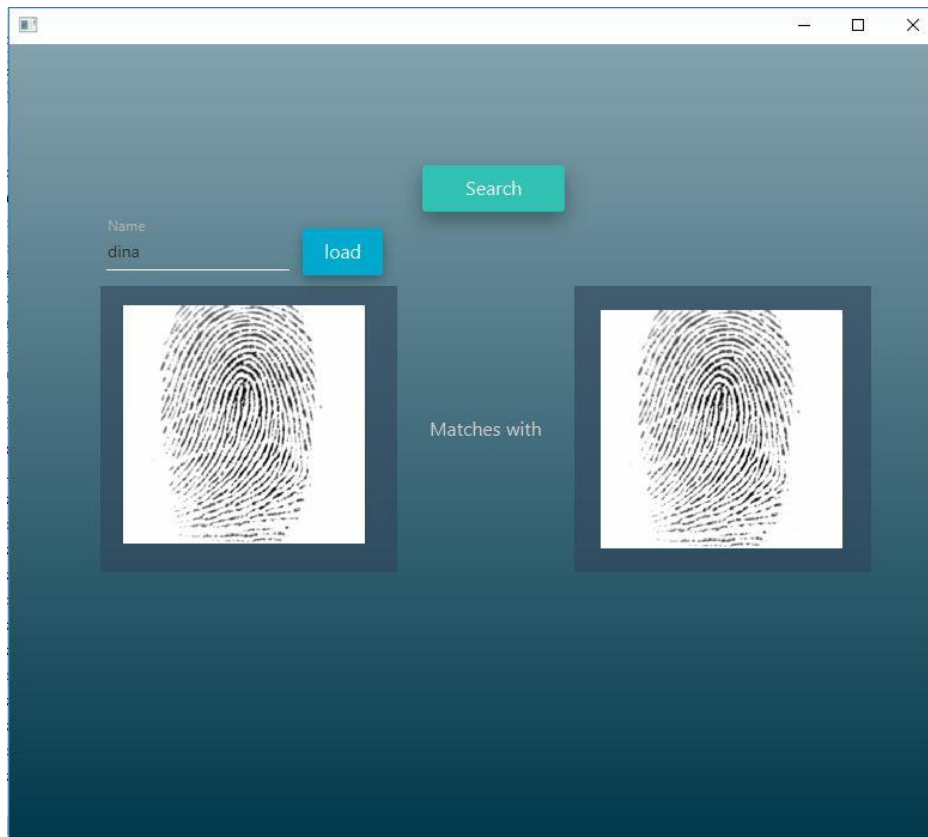

Figure 1: scanning the hajj fingerprint.

For using this software; the user just needs to scan his/her fingerprint and choose the needed service.

This process will need a fingerprint scanner device. For simulating the process in the program; we use this interface to write the user name and the system will match the fingerprint to check if it's existing or not.

The used sample data are:

mohamed

ahmed

abdelrahman

dina

hager

Please make sure that you are using small letters 😊

figure 2: hajj information.

The system supports many languages.

The system supports text to speech service for illiterates and disable people.

This interface will present the user information and the following services:

1- Map – as shown in figure 3-.
2- Medical assistance – as shown in figure 4-.
3- The nearest volunteer (police man) -as shown in figure 5-.
4- Accommodation information – as shown in figure 6-.
5- The last service is asking about the nearest volunteer that understand the user language – this feature is for future use -.
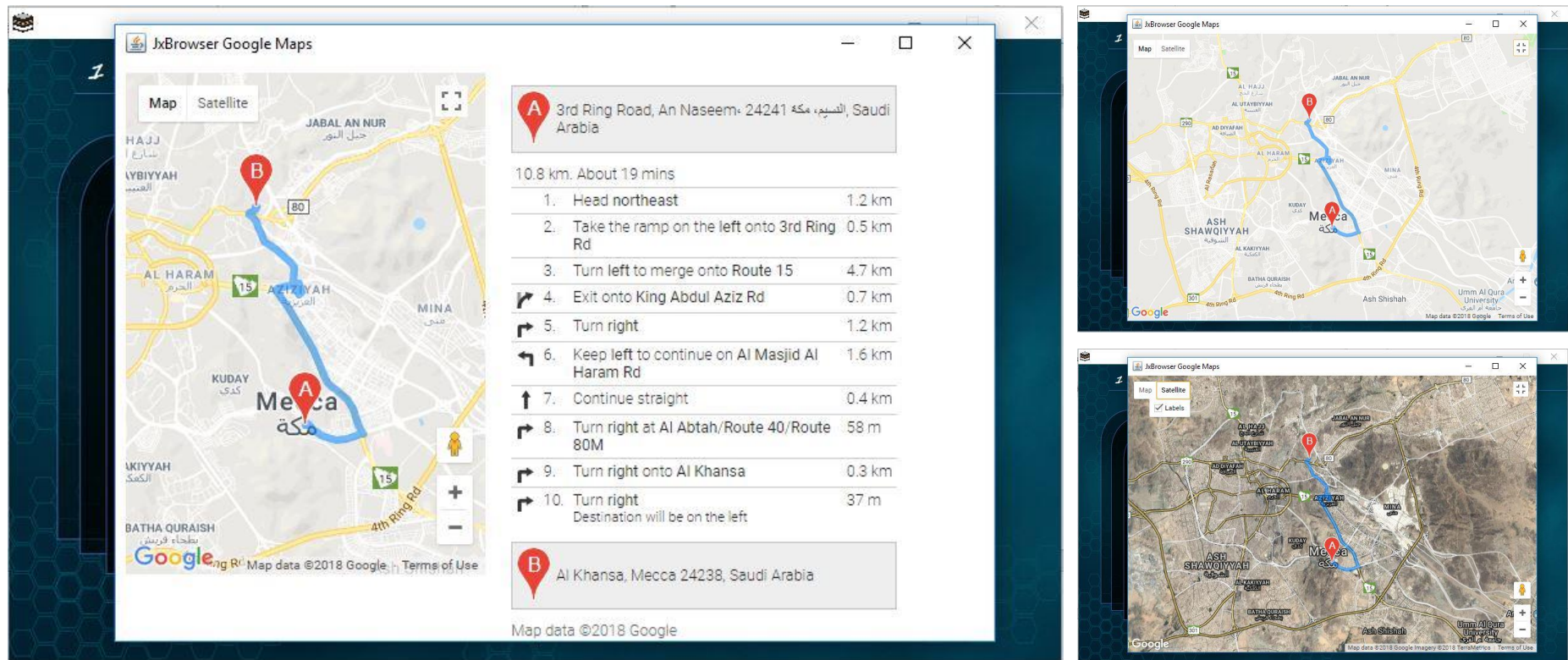
figure 3: guiding the user to his/her accommodation place.

The first service is the map service. It guides the user from his/her current place to his/her accommodation place (hotel -tent).
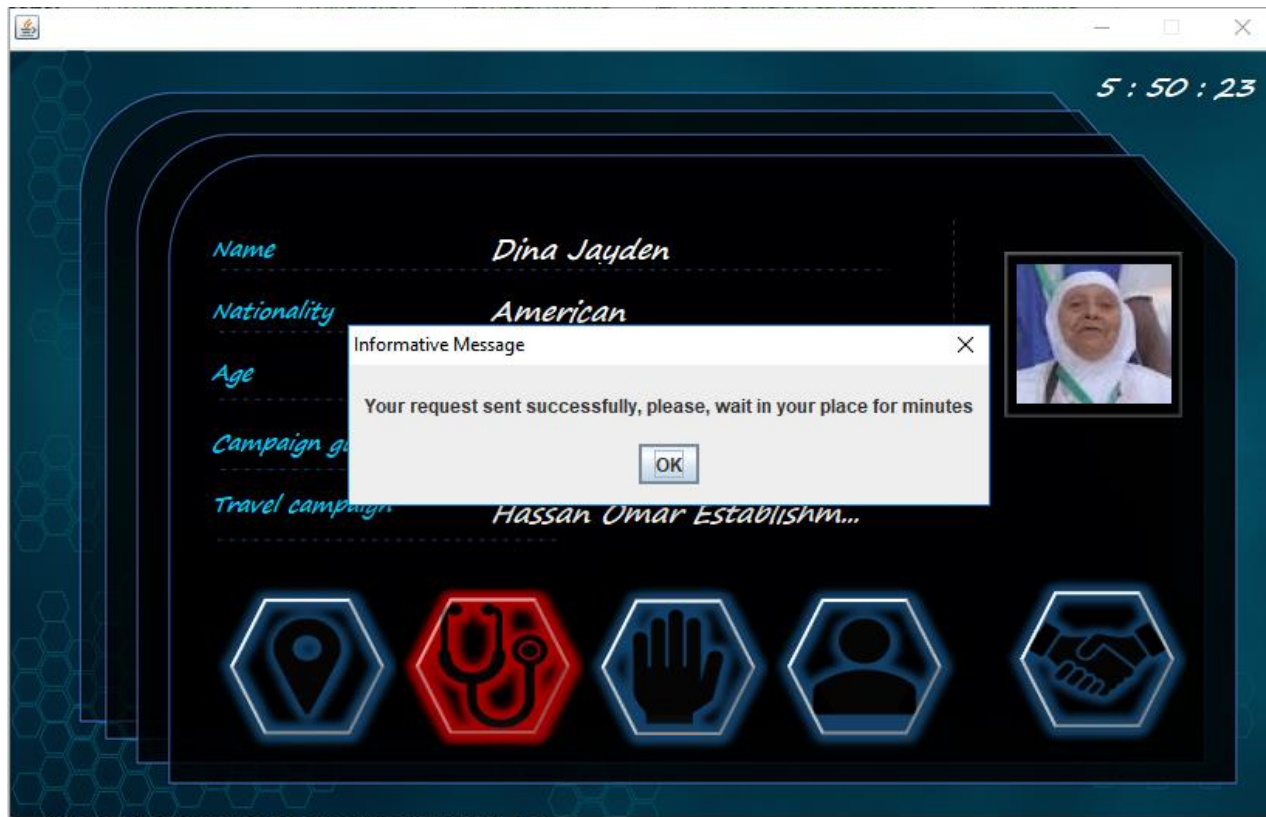
figure 4: requesting medical health assistant interface.

The second service is requesting a medical assistance.

This service will invoke the nearest medical assistance and it will provide him with the user's chronic disease.
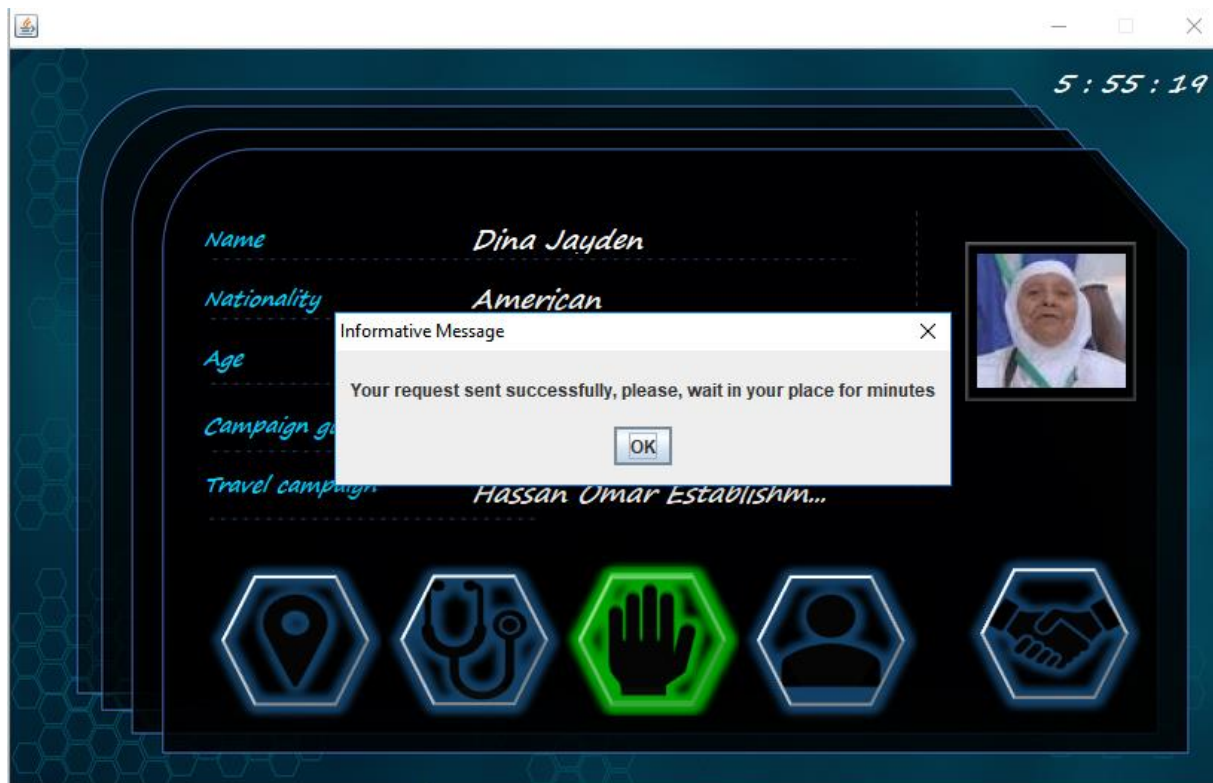
figure 4: requesting volunteer interface.

The third service is requesting a volunteer.

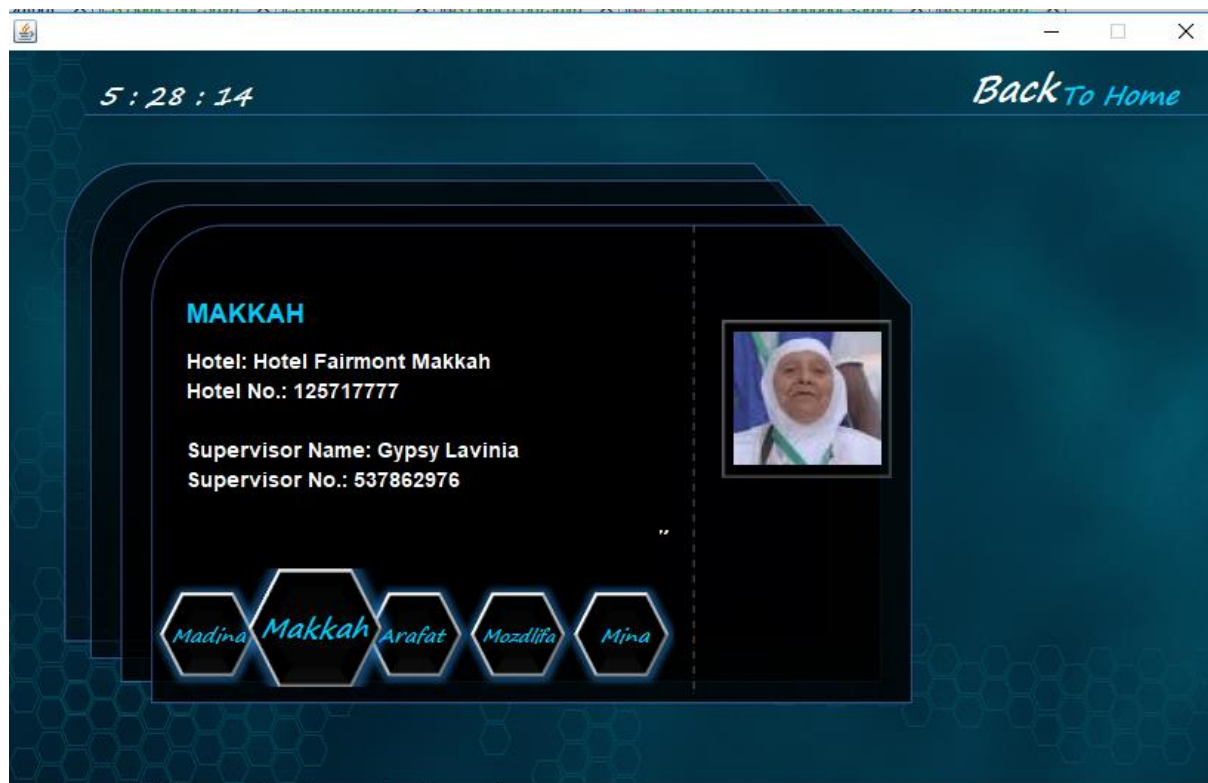This service will invoke the nearest volunteers to the user provide help.

figure 5: hajj accommodation information.

The last service provides the user with his/her accommodation places in every place he/she visit, the contact information and other personal information.

Volunteer – police man - Interfaces:

When any hajj request to get help from a volunteer; this interface in figure 1 will appear to the **nearest** volunteers from the requestor. The interface shows the requestor information.

Figure 1: volunteer- first interface – part 1.

If any volunteer – police man - is ready to help the requestor; then he should press "Accept" button. This will convert his state to busy and avoid sending new request for him until he click done button – as shown in figure 2 -.

This button will guide the volunteer to the requestor place by google map – as shown in figure 3-.

This button will allow the requestor to see another request's information.

This section presents the requestor information.

These buttons allow the volunteer to see the requestor accommodations' places in every place – as shown in figure 4 -.

As long as the volunteer -police man – provide a service; his state will stay "busy" and he will not receive new requests until he press the "Done" button. When the volunteer presses the "Done" button; his state automatically will be available and the "Done" button will return to be an "Accept" button.
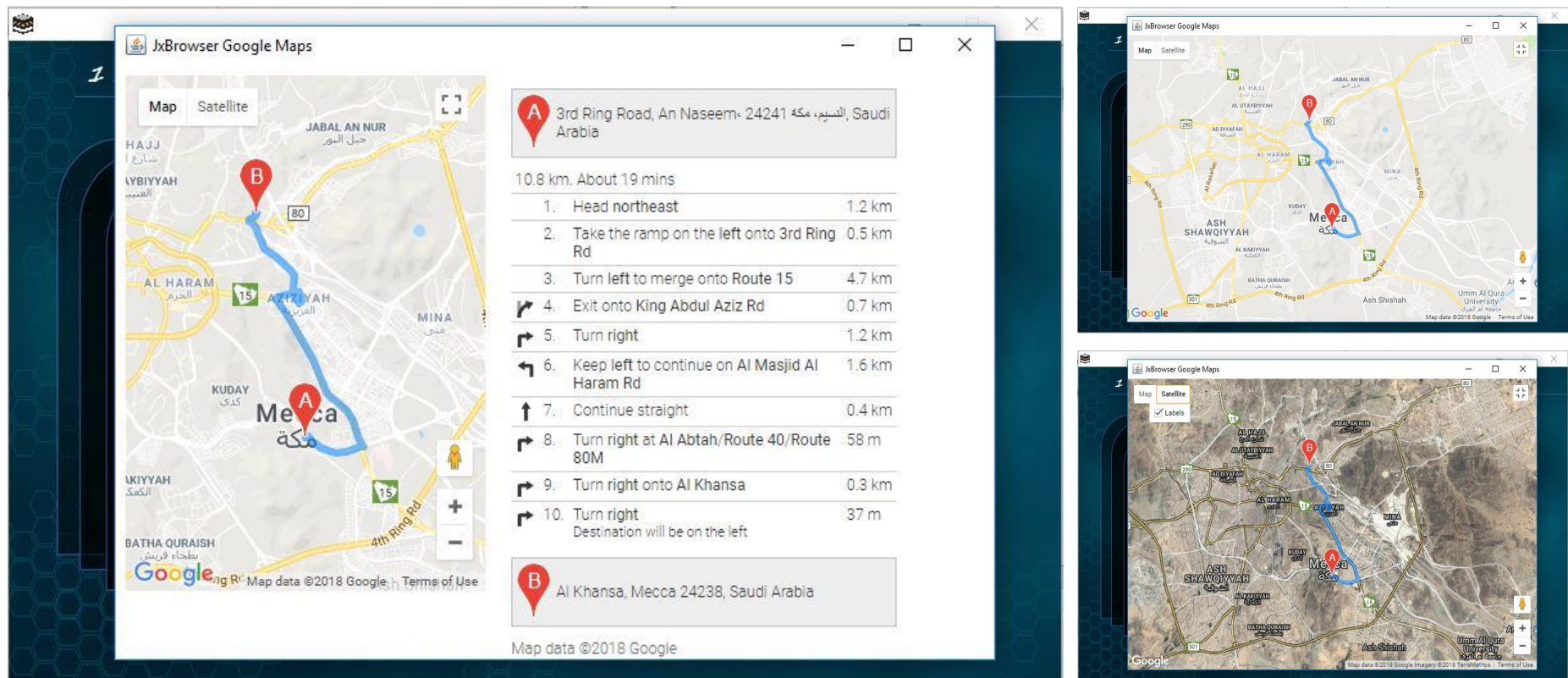
Figure 2: volunteer – first interface -2.

Figure 3: volunteer – the requestor location.

Figure 4: volunteer – the requestor accommodations' information.

Each button presents the requestor's accommodations information, the supervisor, and the contact information in this specific place.

Medical volunteer Interfaces:

Medical volunteer interfaces are pretty similar to the police man interface. in the medical man interface the requestor's chronic diseases will appear instead of the contact and accommodation information.

Figure 1: Medical man informations.