

SAAMPARAYA

“Real Time Emergency Service”

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► UNDER THE GUIDANCE OF:-

MR. AMAR KUMAR

(Assistant Professor)

Department of Computer Science

Birla Institute of Technology

Extension Center Lalpur, Ranchi

► TEAM MEMBERS:-

NAME

ROLL No.

AMAN SAGAR

BCA/40553/17

SUNNY KUMAR SINGH

BCA/40574/17

KESHAV RAJ

BCA/40577/17

TATHAGAT KUMAR

BCA/40594/17

SHUBHAM KUMAR SINGH

BCA/40595/17

OBJECTIVE:-

Emergency situations can occur with anybody and anywhere. In case of emergencies, the user may not be have enough time to dial for the emergency number, his/her family, friends or a hospital. With the innovation herein described, an application can be made to automatically request the nearby people for help when it is activated.

WHAT IS IT?

It is a visual basic based application that helps people who sense danger ahead. Through this application one can ask for help from the nearby pre-existing users of the application.



System Architecture:

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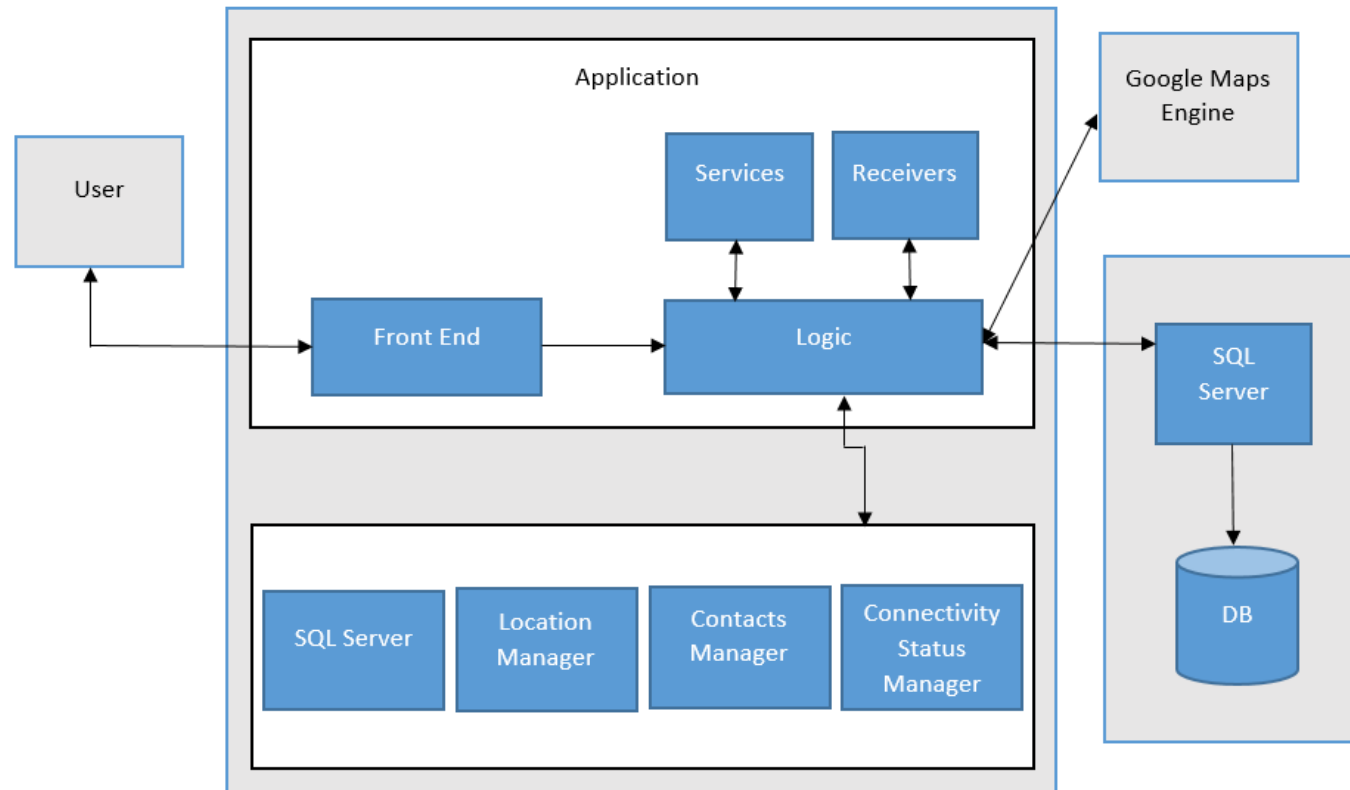


Figure 1. System Architecture

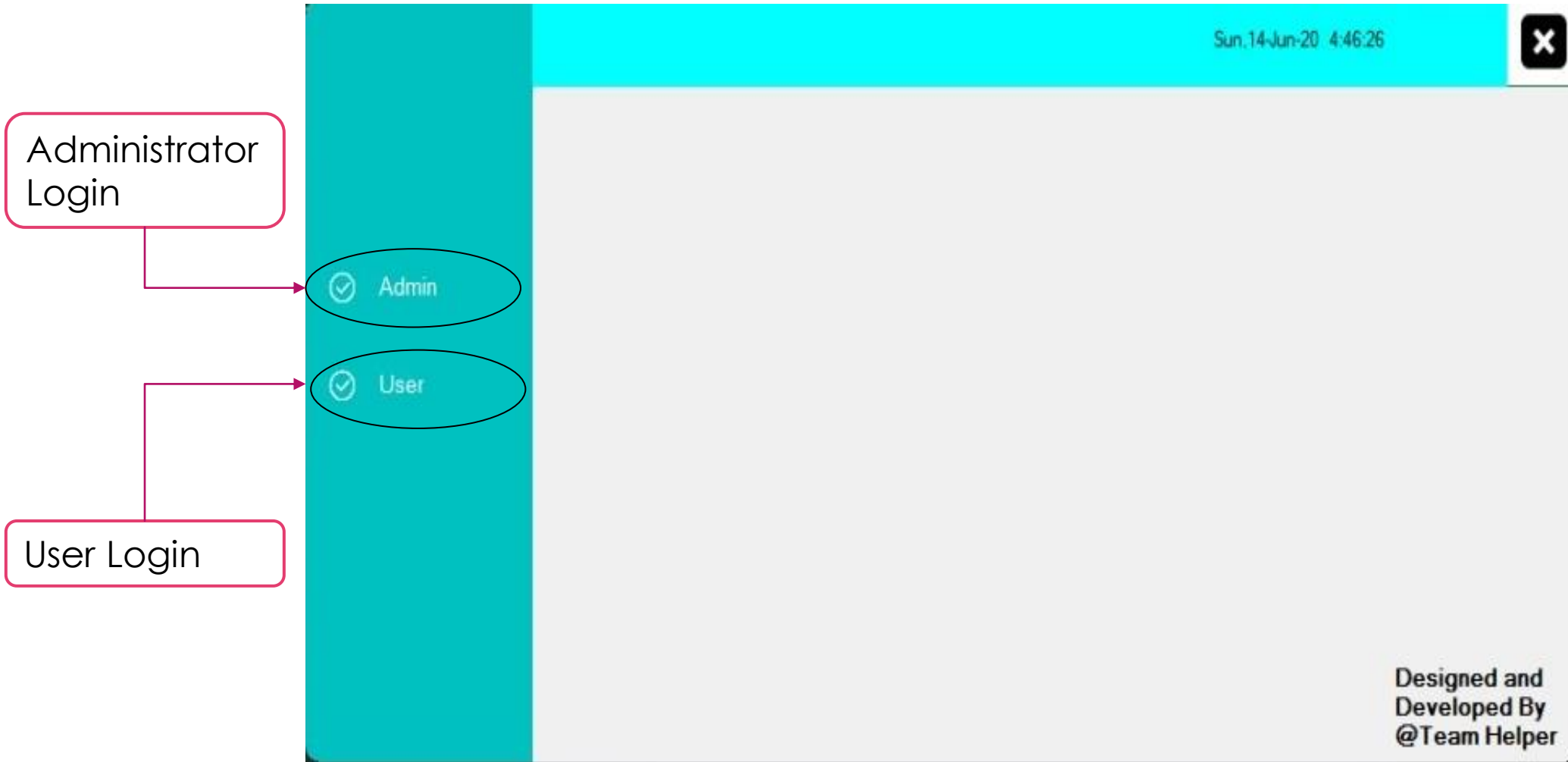


Figure 2. First window after launching the application.

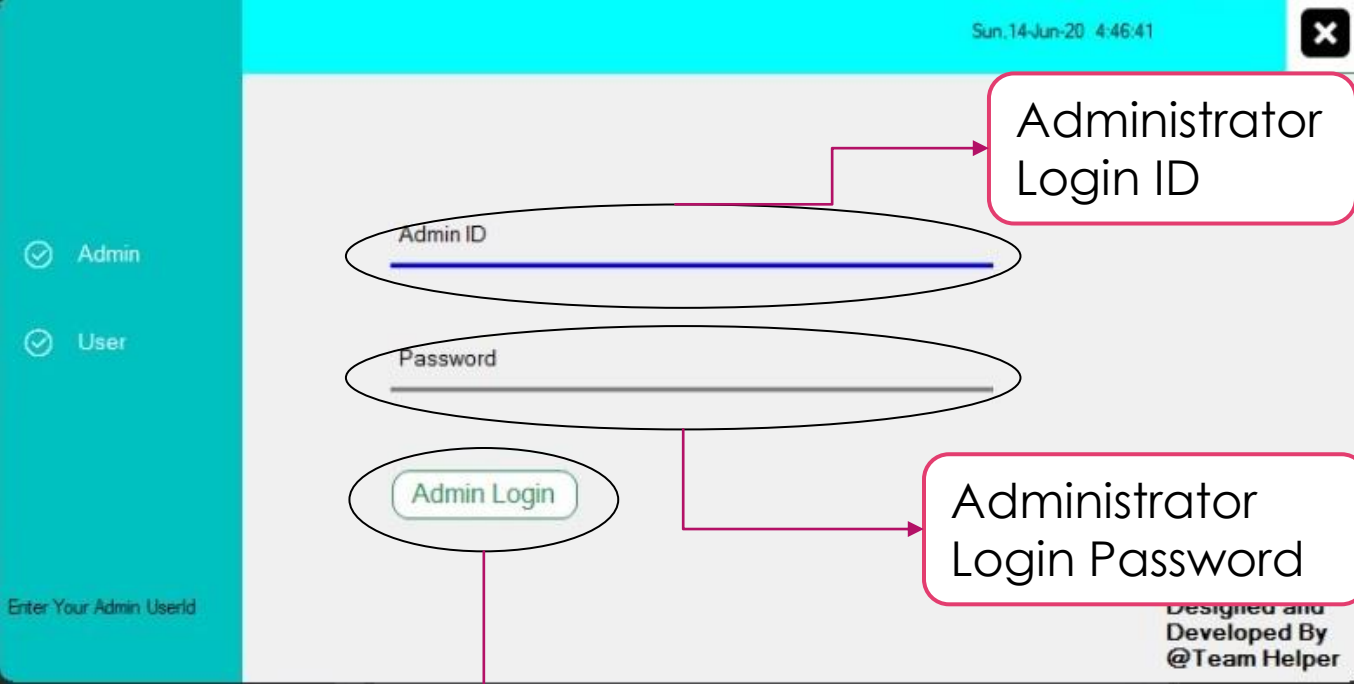


Figure 3. Admin login screen.

After successful login administrator will enter the database.

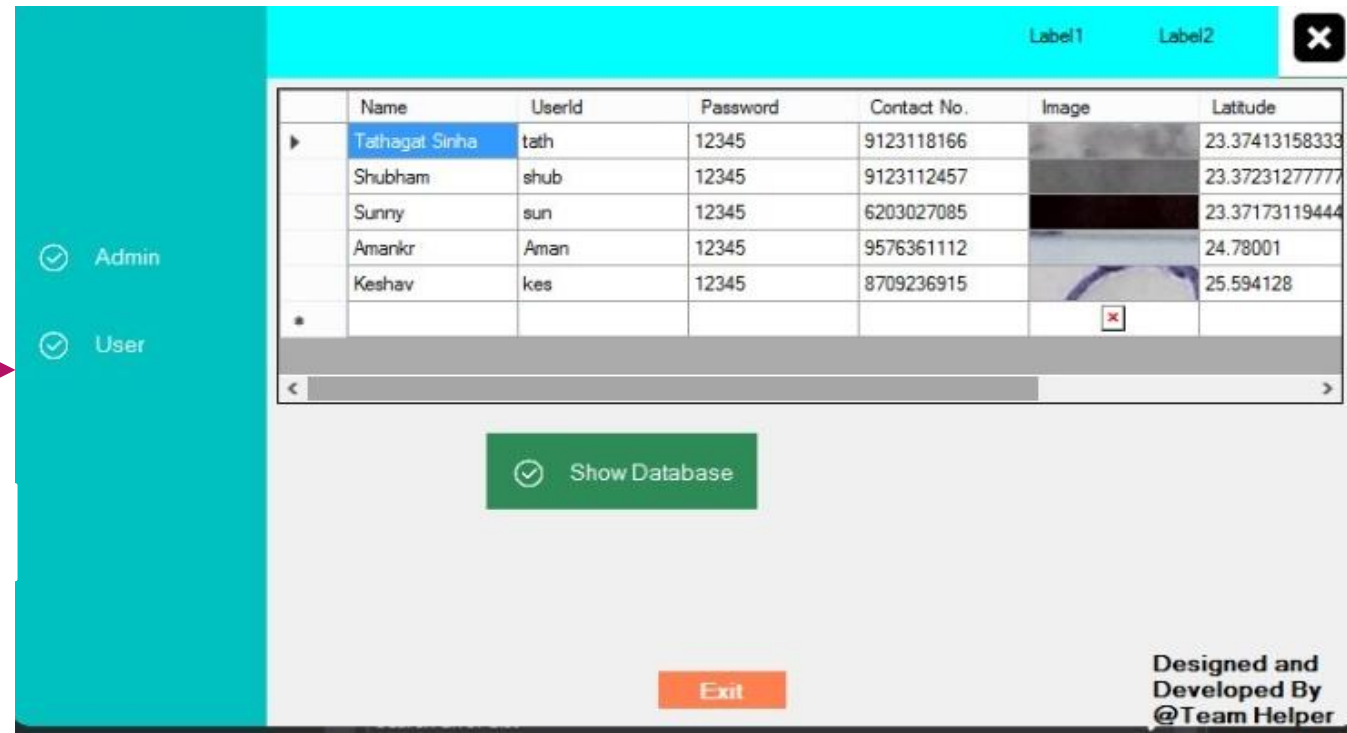
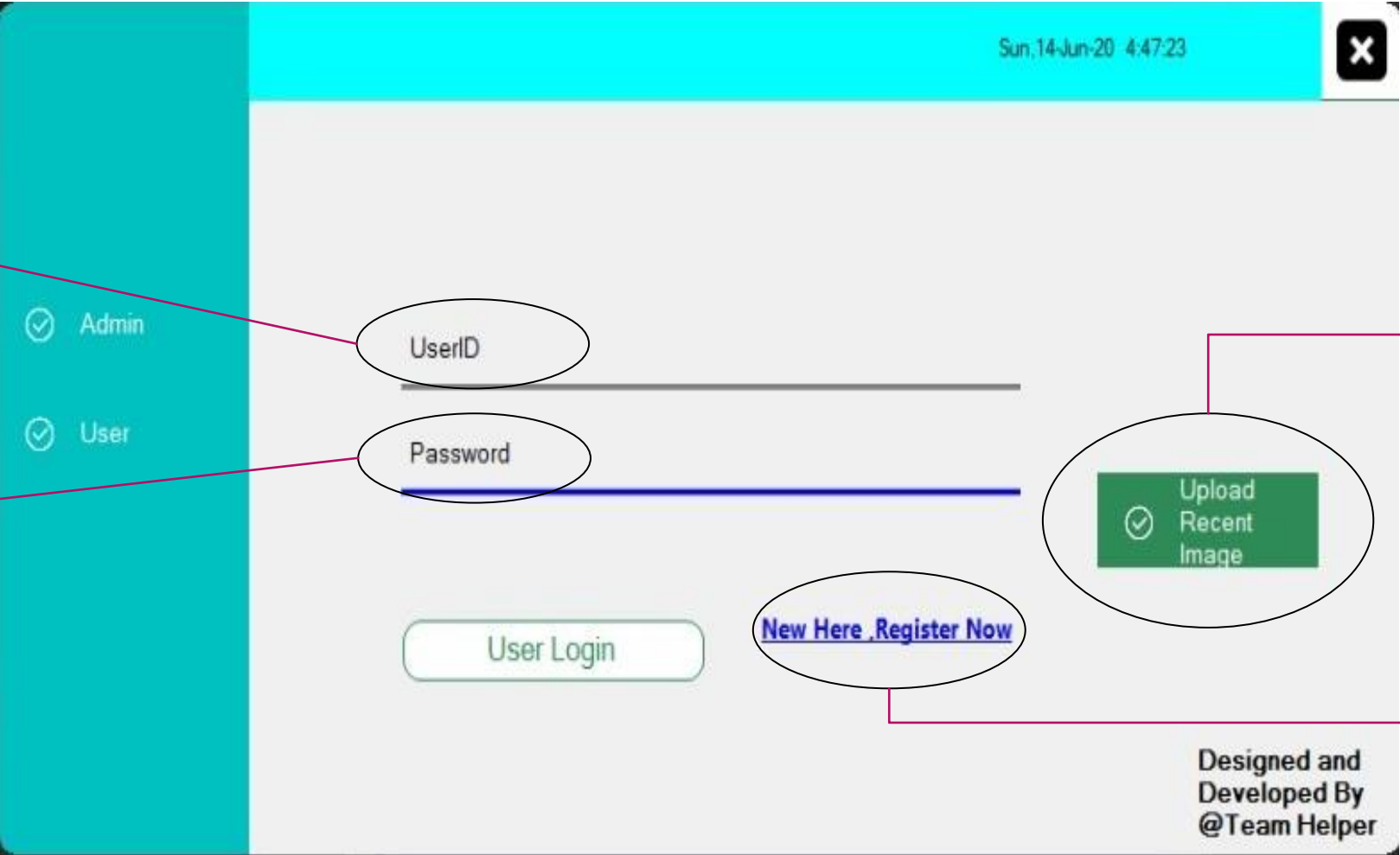


Figure 4. Data stored in the database.



The image shows a user login window with a teal sidebar on the left and a light gray main area. The sidebar contains two options: 'Admin' and 'User', both with checkmark icons. The main area has a cyan header bar at the top with the date and time 'Sun, 14-Jun-20 4:47:23' and a close button 'X'. Below the header, there are two input fields: 'UserID' and 'Password'. To the right of these fields is a green button labeled 'Upload Recent Image' with a checkmark icon. Below the input fields is a green 'User Login' button and a blue link 'New Here , Register Now'. At the bottom right, it says 'Designed and Developed By @Team Helper'. Annotations with arrows point to various elements: 'User login ID' points to the 'UserID' field; 'User login password' points to the 'Password' field; 'For every login user has to upload his/her recent image.' points to the 'Upload Recent Image' button; and 'New users can register from here.' points to the 'New Here , Register Now' link.

User login ID

User login password

For every login user has to upload his/her recent image.

New users can register from here.

Figure 5. User login window.

The image shows a new user registration window with a teal sidebar on the left and a light gray main area. The sidebar contains a 'Join US' button and two radio buttons labeled 'Admin' and 'User'. The main area contains a registration form with the following fields and buttons:

- Your Name**: A text input field.
- Choose Your UserID**: A text input field.
- Choose Password**: A text input field.
- Contact Number**: A text input field.
- Email**: A text input field.
- Upload Recent Image**: A green button with a checkmark icon.
- Register Now**: A green button.

Annotations with arrows point from text boxes to specific fields or buttons:

- Enter your name here.** points to the **Your Name** field.
- Choose a strong password.** points to the **Choose Password** field.
- Enter a valid email address.** points to the **Email** field.
- Upload your recent photograph here.** points to the **Upload Recent Image** button.
- Choose an unique username.** points to the **Choose Your UserID** field.
- Enter your working mobile number.** points to the **Contact Number** field.
- After filling up every field he/she will be registered.** points to the **Register Now** button.

Figure 6. New user registration window.

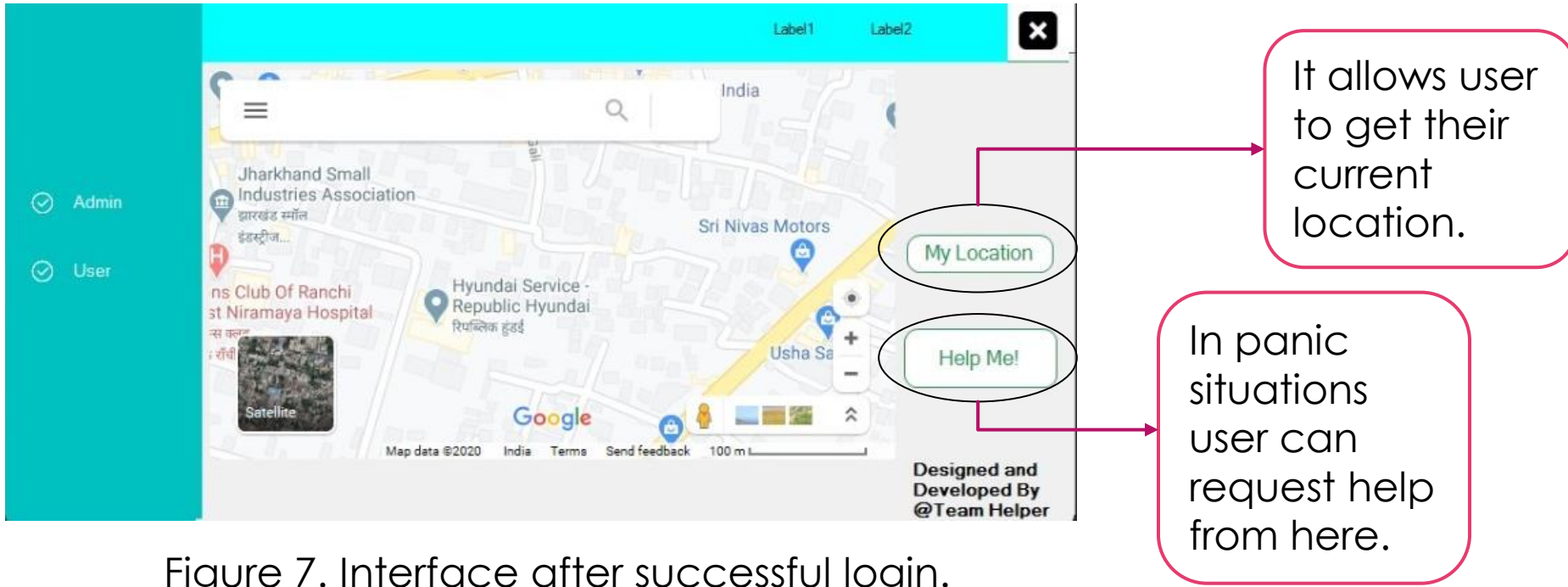


Figure 7. Interface after successful login.

If user requests for help by clicking on 'Help Me!' option then notification sending window will open to send panic notification with the last login location of the user.

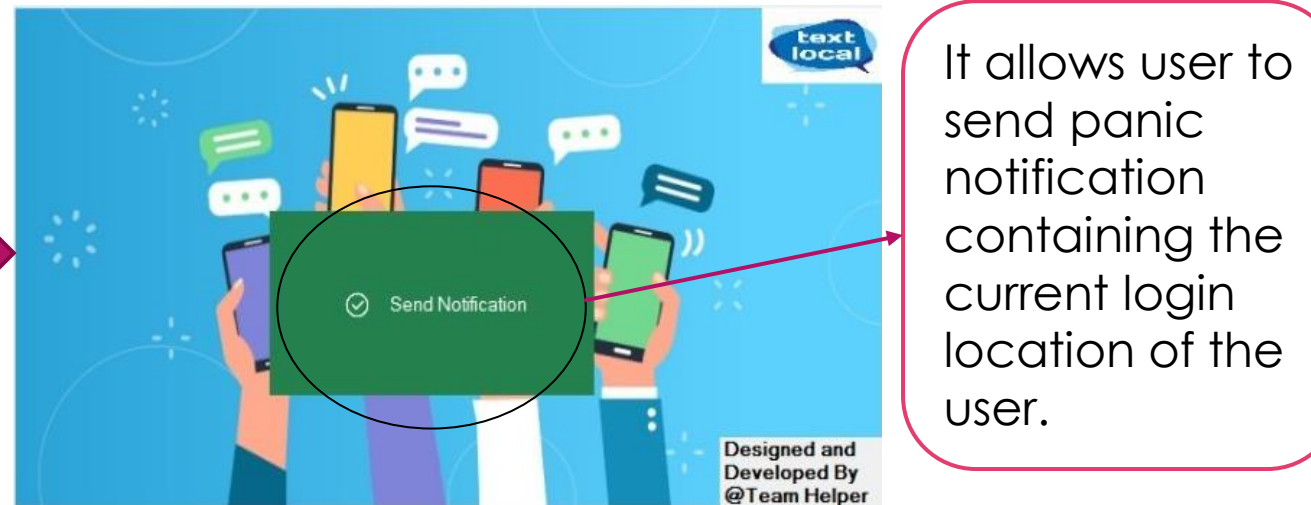


Figure 8. Notification sending window.

MAJOR FEATURES:-

- The user can ask for help from the nearby registered users by simply clicking on 'Help Me!' option.
- The user can send panic notification containing the last login location of the user.
- The user can also get the current location by clicking on the 'My Location' option.

LIMITATIONS:-

- The last login location is sent. So if the user keeps changing its location then it will be difficult to trace the exact location.
- Currently support for help only through SMS is allowed. So at some places where the network faces problem then at those locations functionalities of this application can't be utilized properly.

FUTURE WORK:-

An app for personal safety purpose has a lot of scope for enhancement. In the future the app may include features like:

- 1) A mobile application can be made to deliver the services to large amount of people.
- 2) A home screen widget that can be used as a triggering point to send panic notifications. A user would then not have to open the app to send these panic notifications.
- 3) Initiating a call to a number set from within the application when the user presses the help button.
- 4) Support for the wearables and activation through simple phone gestures.
- 5) Location tracking within a close group which can be used by families and friends of the user and would allow them to continuously track the location of the user.
- 6) A good SOS alert app must be real quick! The UI/UX design and the back end functionalities should add up not to make the app any slower. When a person is in an adverse condition, time is of the essence.
- 7) Setting up a password to stop the application. This will help in the circumstances when someone tries to forcefully get the control of the application to deactivate the request.

THANK YOU