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# WHEREABOUTS USER MANUAL V1.0

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*This document describes the basic functionalities of the Whereabouts Software and "how to do" instructions.*

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# **1.0 General Information**

## **1. General Information**

General Information section explains in general terms the system and the purpose for which it is intended.

### **1.1. System Overview**

Whereabouts is an Android mobile application, enabling users to locate their peers and provide the options of instant messaging and scheduling a message to be delivered to a peer. The application displays peer location on the map and allows tracking and chatting among the peers.

### **1.2. Organization of the Manual**

The user's manual consists of four sections: General Information, System Summary, Getting Started, Using the System. General Information section explains in general terms the system and the purpose for which it is intended. System Summary section provides a general overview of the system. The summary outlines the uses of the system's hardware and software requirements, system's configuration, user access levels and system's behavior in case of any contingencies.

Getting Started section explains how to get Whereabouts and install it on the device. The section presents briefly system menu. Using The System section provides a detailed description of system functions.

## **2.0 System Summary**

## **2. SYSTEM SUMMARY**

System Summary section provides a general overview of the system. The summary outlines the uses of the system's hardware and software requirements, system's configuration, user access levels and system's behavior in case of any contingencies.

### **2.1. System Configuration**

Whereabouts operates on mobile devices with Android operating system. It is compatible with Android 1.5 API level 3 and higher versions. The application requires connection to Internet in order to save data to database, internal GPS receiver in order to obtain coordinates automatically. After installation on the device, Whereabouts can be used immediately without any further configuration.

### **2.2. User Access Levels**

Only users with a valid Gmail account can use the application as Gmail authentication is used for signup and login. Subsequent application usage does not require the user to login again.

### **2.3. Contingencies**

In case of no internet access, only chat history would be visible to the user and the location of peers would only be updated upon internet availability. For scheduled messages (these will be referred to as "Drop Messages" in subsequent text) to be received, both internet availability and location enabling on user device are mandatory.

## **3.0 Getting Started**

### 3. GETTING STARTED

Getting Started section explains how to get Whereabouts and install it on the device. The section presents briefly system menu.

#### 3.1. Installation and Logging In

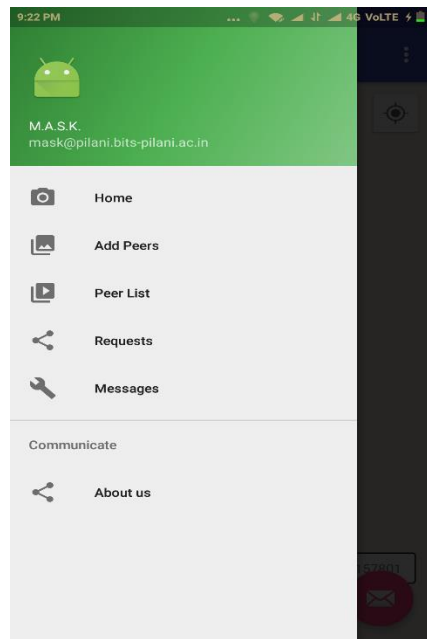
The newest installation version currently available can be downloaded from:

<https://drive.google.com/open?id=0B2lfhTC9ePF-eTZJUks3NDRYa2c>

This is an apk file, which should be installed on the device. For specific instruction on how to install application on specific device refer to device's manual.

#### 3.2. System Menu

Whereabouts home screen consists of a map. The current location of the peers of a user is displayed on the map in form of markers displaying name of the peer. On clicking the marker, the chat screen of the user with that peer will be displayed on the user screen. On the left top corner, hamburger icon is displayed. On clicking this icon, a drawer display will open upon as depicted in figure <img alt="Whereabouts System Menu Drawer" data-bbox="368 452 625 753"/>. This drawer consists of various options as can be seen in the figure- add peer, peer list, peer request, and messages. Also there is an option to see the company profile and link for support documentation for the application.



Tabs of Whereabouts



### 3.2.1. Home

A screen showing locations of the peers of user on the map of BITS Pilani Campus pinpointed by markers.

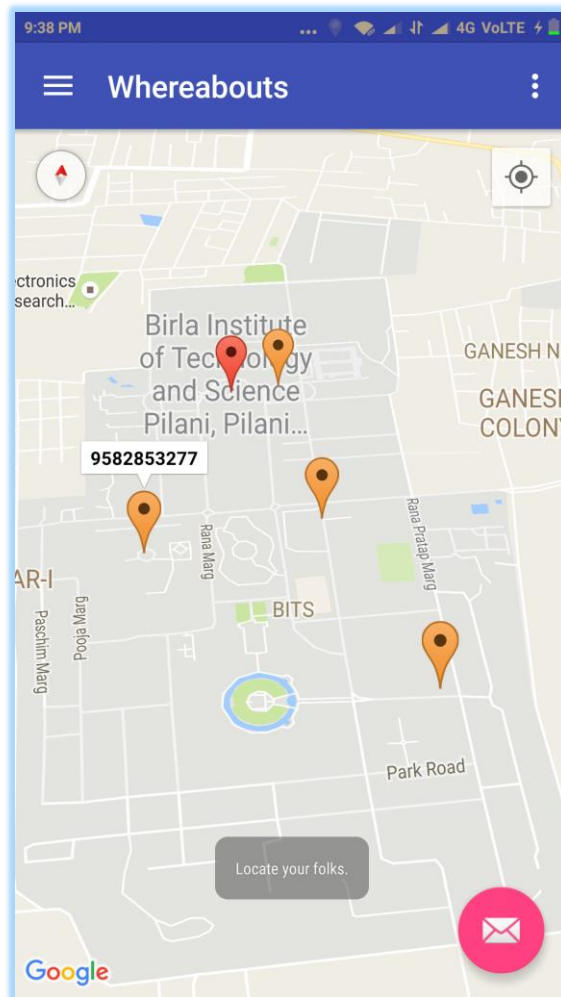


Figure 1. Home Screen

3.2.2. Add peer

A search facility is provided to the users to search a peer based on name or email id or mobile number.

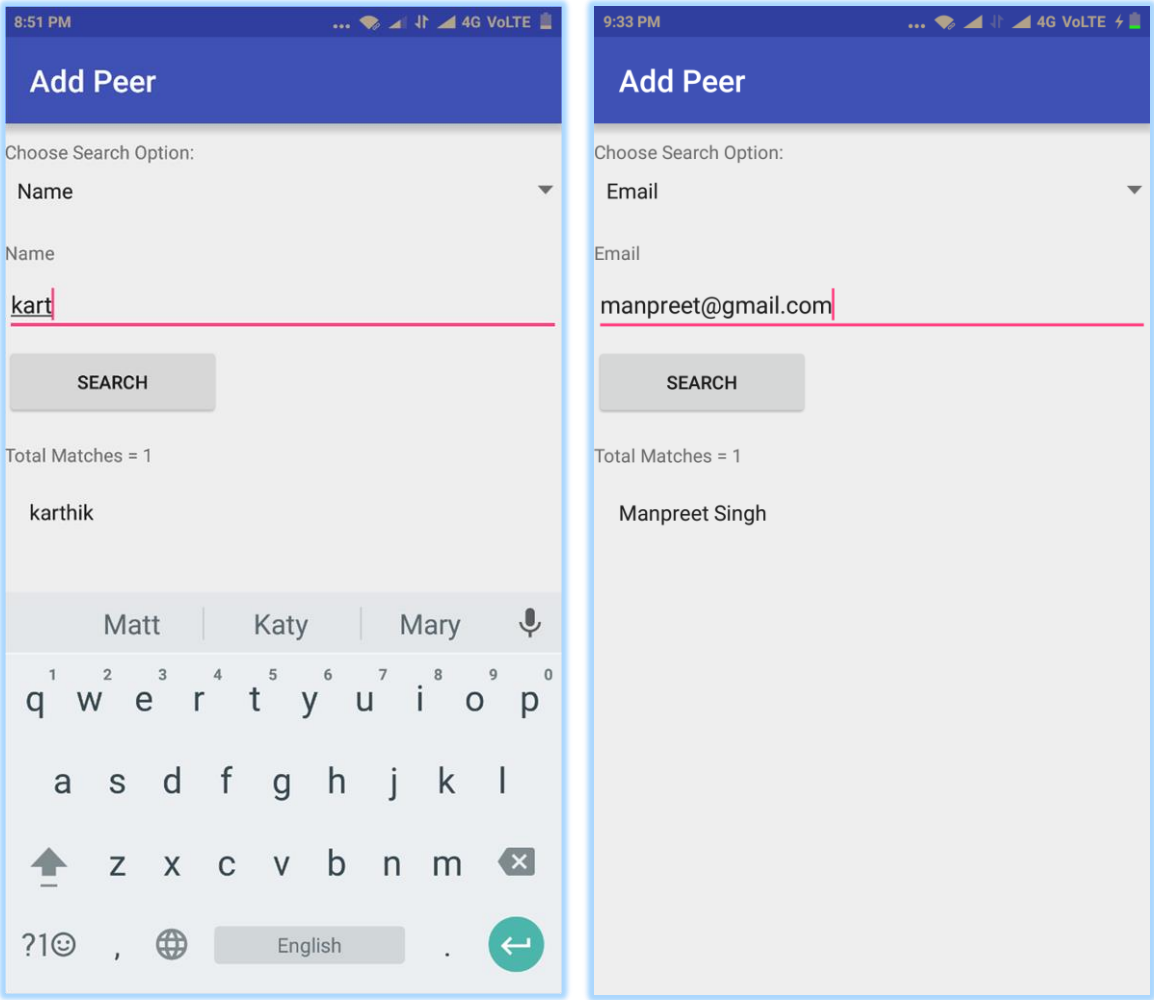


Figure 2. Add Peer

3.2.3. Peer list

A list of peers of the users is displayed on clicking this option:

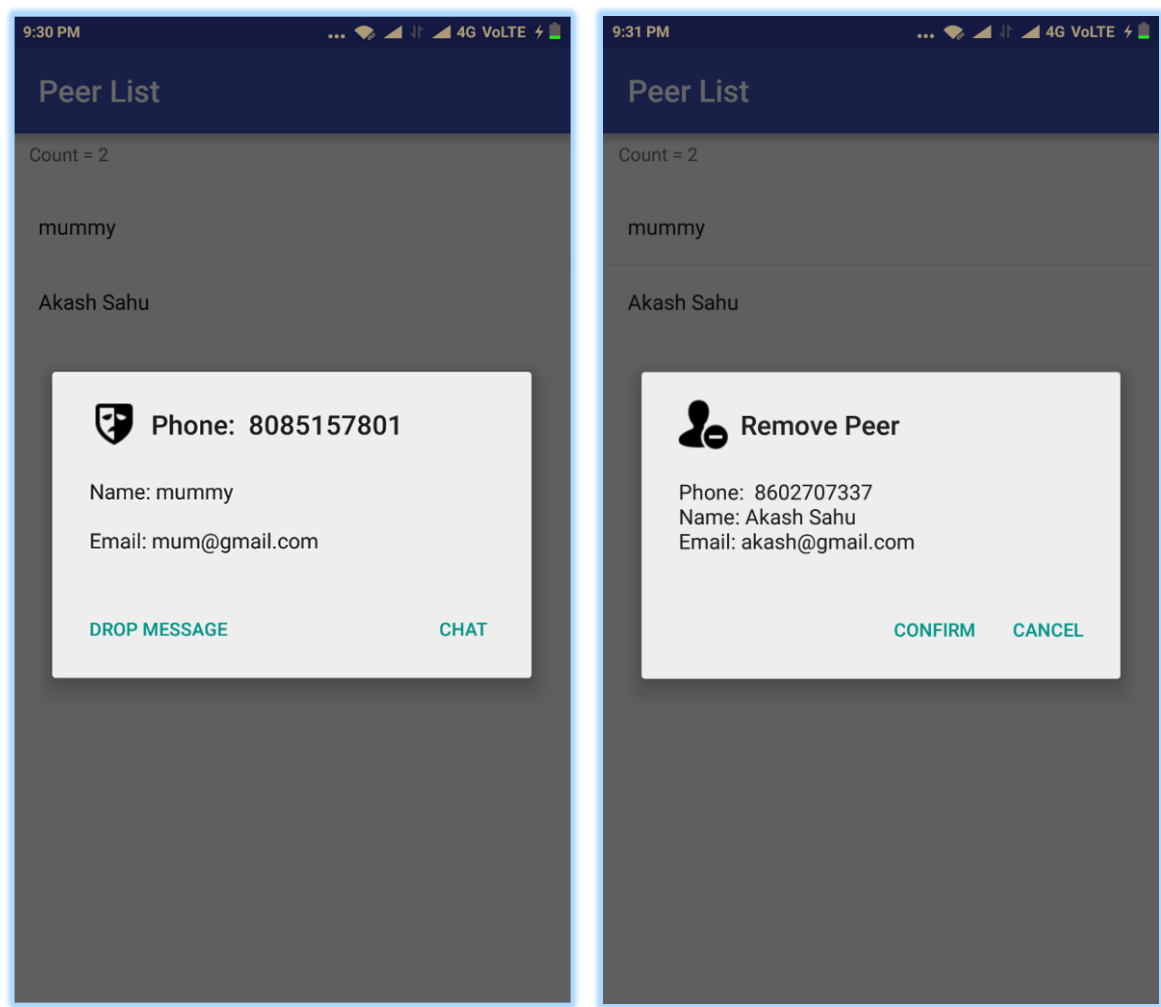


Figure 3.Peer list

### 3.2.4. Peer Request

User is shown all the peer connection requests received by him under this option.

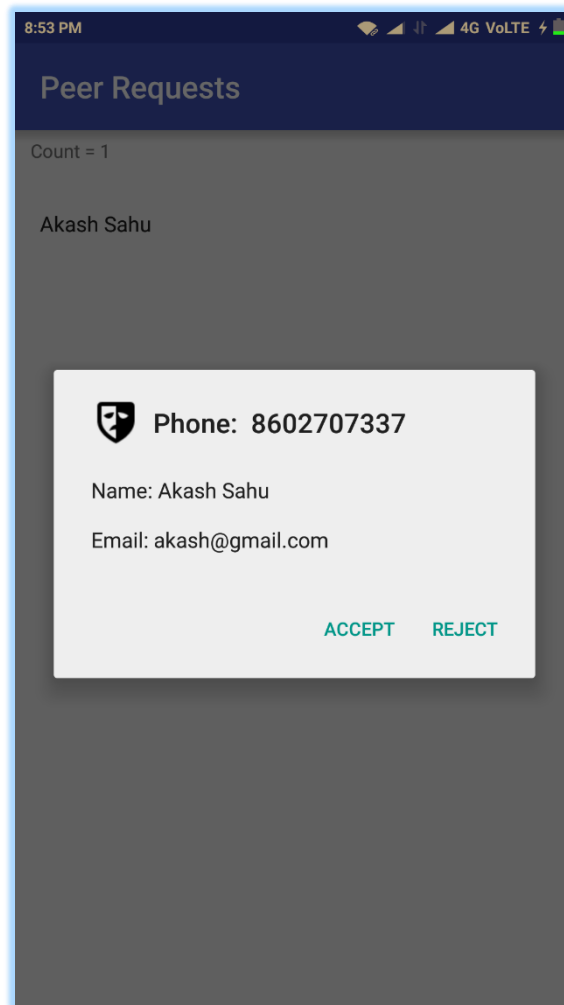


Figure 4. Peer Requests

### 3.2.5. Messages

A list of peers with whom the user has conversed in shown under this option. All the chat messages (chat history along with new messages) is displayed under the peer name.

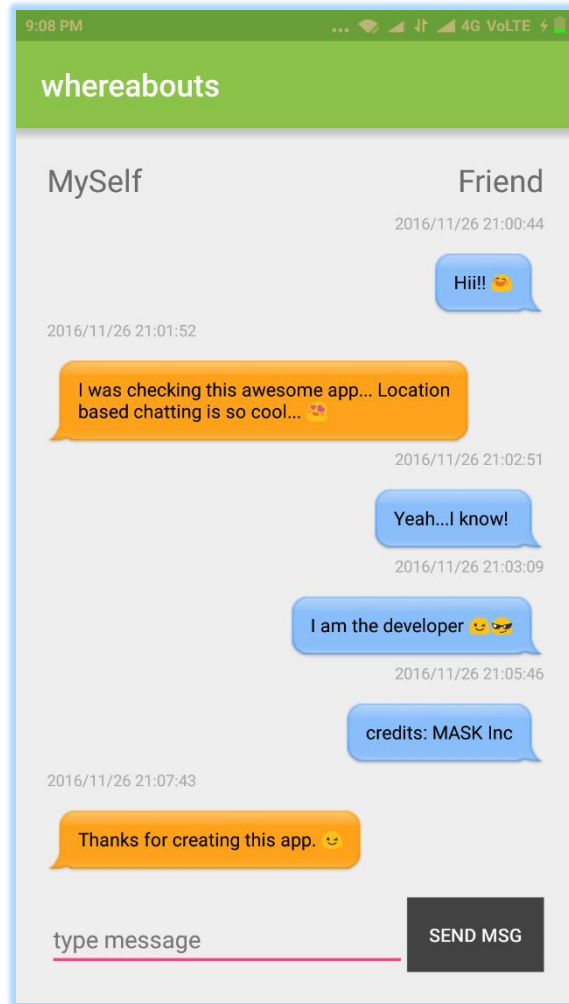


Figure 5. Messages

### 3.3. Exit System

Whereabouts can be closed by selecting Back action on the device.

## **4.0 Using the system**

## 4. USING THE SYSTEM

This section provides a detailed description of system functions.

### 4.1. Add peer

The user is provided with facility to search a peer based on name or email id or mobile number. Based on the criteria selected for the search, the user enters the name/email id/mobile number. A list of users using the application, matching the search, will be displayed to user. On clicking the displayed name, user is presented the option to add the selected user to his peer list. A request is sent to the selected user on clicking send request button. This request will be visible to the selected user under peer request option on his device.

### 4.2. Peer list

This feature provides the user with a list of peers of the users. On clicking on a peer name, an alert box is displayed to the user as shown in the figure<>.The alert box consists of two options- chat and drop a message to the selected peer. Both these features are explained in subsequent points. If the user long presses on a peer name, an option to delete the peer is displayed on the user screen and user is prompted to confirm the deletion of peer from the list. If the user selects yes as an option, the peer is removed from the peer list and the user is removed from the peer list of the selected peer-thus the two users no longer remain peers of each other.

### 4.3. Chat

This option provides the user to start a new conversation or continue the existing conversation with the selected peer. This option appears on screen if the user clicks on a peer name in the peer list option present in the drawer view on the home screen. When the chat option is selected with the peer, the user is redirected to a chat screen as shown in the figure<> and instant messages can be exchanged between the two peers.

### 4.4. Drop a message

This option provides the user to schedule a message to be delivered to the selected peer if he happens to be around a desired location on the desired date and time. This option appears on screen if the user clicks on a peer name in the peer list option present in the drawer view on the home screen. On selecting this option the user is redirected to screen to schedule a message where various fields are required to filled by the user- message text, date on which message is to be scheduled, start time and end time to define the time interval for message scheduling, location of interest around which the selected peer must be during desired time on desired date so as to get the message. The location is picked from the map presented to the user. All the mentioned details of this feature can easily be visualized in the figure<>.

### 4.5. Peer requests

This option displays the peer requests received by the user from other users. On clicking on a particular request, the details of the sender of the request is displayed to the user and two options are presented to the user to either accept or reject the request as depicted in figure<>.If the user selects to accept the request, the sender of the request is added as peer of the user and the user is added as the peer of the

user. If the user rejects the request, the request is removed from the request list and the user is not added as a peer of the user.

#### **4.6. Messages**

This option stores the list of all the conversations of a user with his peers as can be seen in the figure<>. On selecting a particular conversation, the user is redirected to the chat screen of the user with that particular peer. The chat facility is already described earlier in the document in point 4.1.3.



## **5.0 Custom Support**

## 5. Customer support

The users may mail the support team regarding any information/help required regarding the application at below mentioned email id: **mask.whereabouts.support@gmail.com**

*\*The support team would respond to any queries within a time frame of maximum 24 hours*