Software Requirements Specification

For

Notifyi iPhone Application

Version 1.0

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August30,2012

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Revision History

Name	Date	Reason For Changes	Version
Draft	30,Aug,2012	Draft Version	1.0

Record of changes

Change number	Date completed	Location of change (e.g., page or figure #)	A M D	Brief description of change	Approved by (initials)	Date Approved

***A** - ADDED **M** - MODIFIED **D** - DELETED

1. **Introduction**

This document describes the requirements and user-flow snapshots for developing an iPhone application that would enable the Notifyi users to communicate effectively in the network through an email system which works on iPhone.

1.1 Identification

The software system being considered for development is referred to as 'Notifyi-iPhone app'. The customer providing specifications for the system is Notifyi and Redshift technologies. This is a new project effort, so the version under development is version 1.0

1.2 Purpose

The purpose of the system under development is to develop an iPhone application that would enable the physicians in the notifyi network to send/receive messages , touch base, view a physician's profile, view his/her schedule etc.

1.3 Intended Audience and Reading Suggestions

The intended audiences of this document are
     1. Notifyi/ Redshift team who is the end user supposed to approve this document
     2. RapidValue Development team includes the Project Manager, Engagement Manager, marketing staff, developers and testers

1.4 Product Scope

The following points define the scope of the application

- The application is only targeted for "Apple iOS iPhone only"
- Only the existing users of the notifyi web application can use the iPhone app.
- The web services required for the application shall be developed by Notifyi/Redshift
- The management of users is not part of the app and will be an external web application
- The iPhone application will have the following modules
  - ➢ Inbox
  - ➢ Send message
  - ➢ Touch base
  - ➢ Directory
  - ➢ More(My profile, coverage calendar, mobile settings)

1.5 Definitions, Acronyms and Abbreviations

Term or Acronym	Definition
Alpha test	Limited release(s) to selected, outside testers
Beta test	Limited release(s) to cooperating customers wanting early access to developing systems
SDD	Software Design Document, aka SDS, Software Design Specification
SRS	Software Requirements Specification

2. Overall Description

2.1 Product Perspective

Notifyi has requested RapidValue for a quotation to build a professional iPhone application for their physician network. This will be a new system which consists of a an iPhone application and a web service calls to the server .

2.2 User Characteristics

The product developed is targeted for the following users

User Role	Description of Role and Activities Performed
iPhone User	The iPhone users will be Physicians using the system to collaborate with each other about patients or other medical subjects

3. External Interface Requirements

3.1 User Interfaces

The user interfaces are explained in the system features.

3.2 Hardware Interfaces

The reader application is designed to run on the following type of devices
      a) iPhone 4 and above

3.3 Software Interfaces

The application will work on iOS versions 5.0 and above.

3.4 Communications Interfaces

The communication interface between the iPhone application and the server would be through web services (Restful API s) which would be provided by Notifyi/Redshift technologies.

4. System Features

    1. **Login Page**

The login screen allows a user of the system to log into their account. If the login is successful the user should be taken to their Inbox page. If the user login is not successful the user should be warned and prompted to try again until the incorrect password length is reached.

On clicking on the forgot password or Contact us links, the user will be directed to the respective web pages.
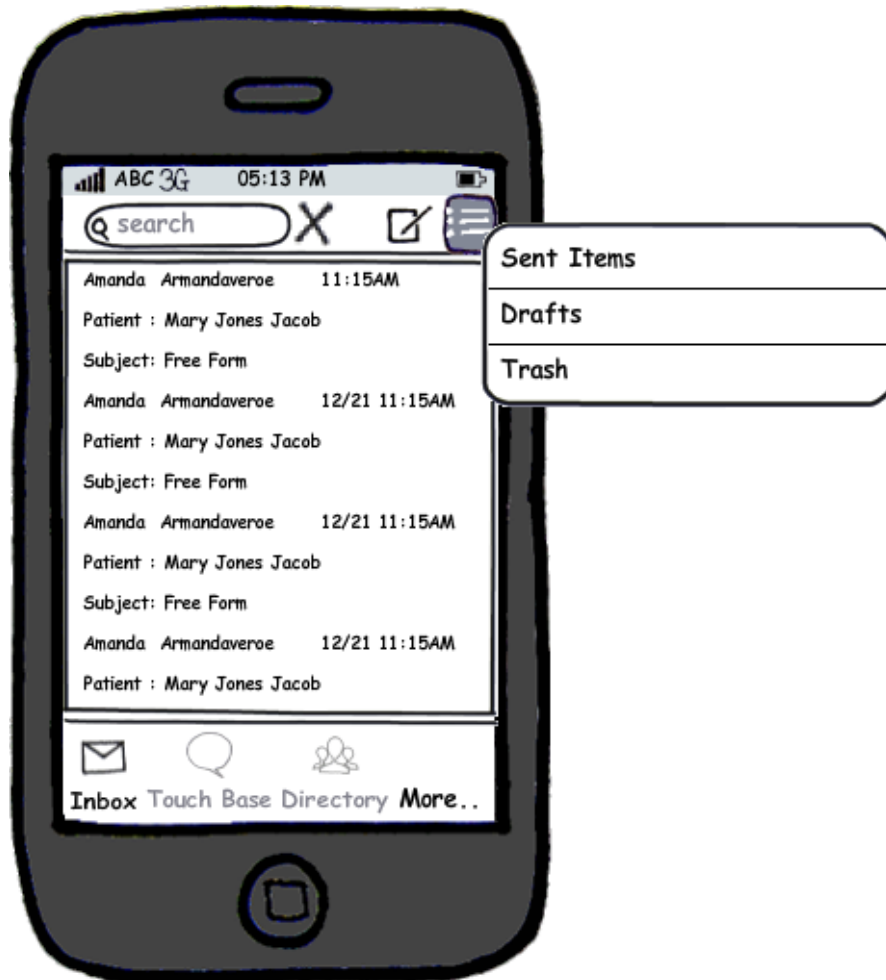
2. Inbox

The Inbox tab contains all of the messages the user has sent and received. It allows the user to view and manage any incoming or outgoing messages. A user can navigate to any of the folders (sent items, drafts, thrash) by clicking on the menu which is located on the top bar.

When the user clicks on the Inbox tab, the initial view is the Inbox folder with the list of messages. The messages are displayed in the chronological order where the latest messages are displayed first.

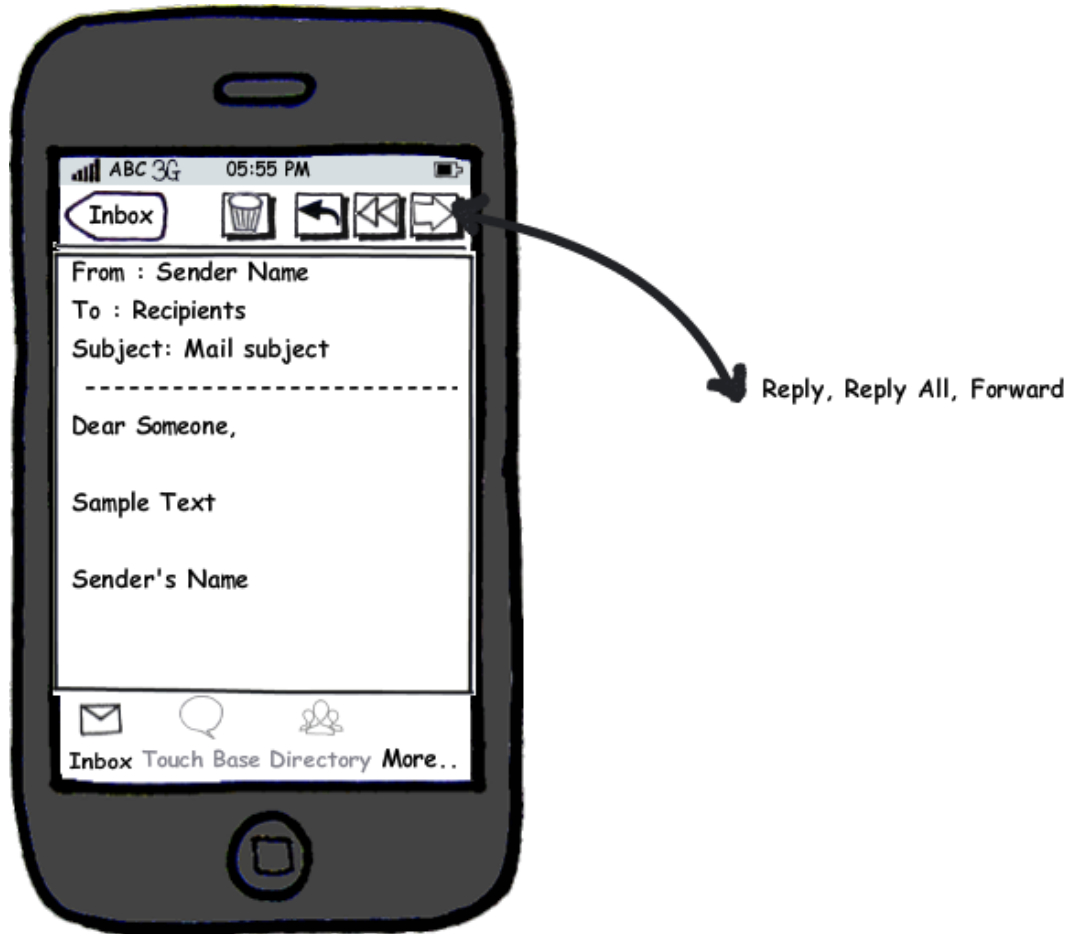All items in any folder will be removed after 30 days.

If there is any unread message in the inbox, it will be notified in the inbox icon on the bottom bar.

Users can read a single message on clicking on that message.

3. Inbox Detail(Read Message)

On clicking on a message from the inbox, the user can read that message. From this screen the user can reply to the message, forward the message or delete the message. On clicking on the "To" header the user can see all the recipients of that message.

On swiping from one message screen, the next message will be loaded .

3.1 Draft Folder
- When the user clicks Draft, all of their drafts should be displayed in a paginated list similar to Inbox Folder
- Viewing Messages from the Draft Folder
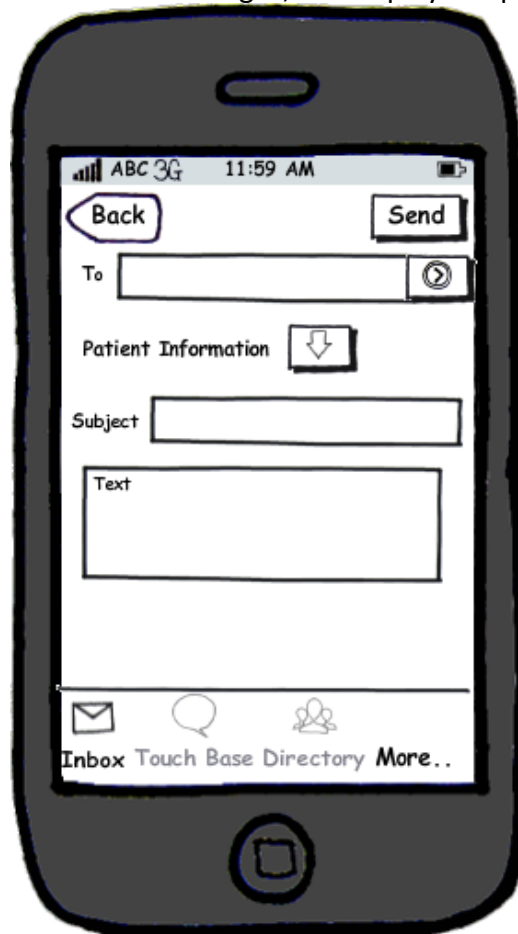 - The user is directed to the partially filled out "Send a Message" form

3.2 Trash Folder

- When the user clicks on Trash, all deleted messages are displayed similar to the inbox
- Action buttons are located to the top left
    - Restore selected
- Viewing message from the Trash Folder
    - Trash Message View
        - Displayed when a user selects a message from the trash folder list.
        - Action Buttons
            - Restore
        - Message Section
            - From/To/Subject
            - Message Body

4. Send Message

The "Send a Message" button provides quick access to generate a new message view. It contains a standardized form that provides needed information to effectively communicate information about a patient.
When the user clicks "Send a Message", the display will populate with a "Compose Message" form.
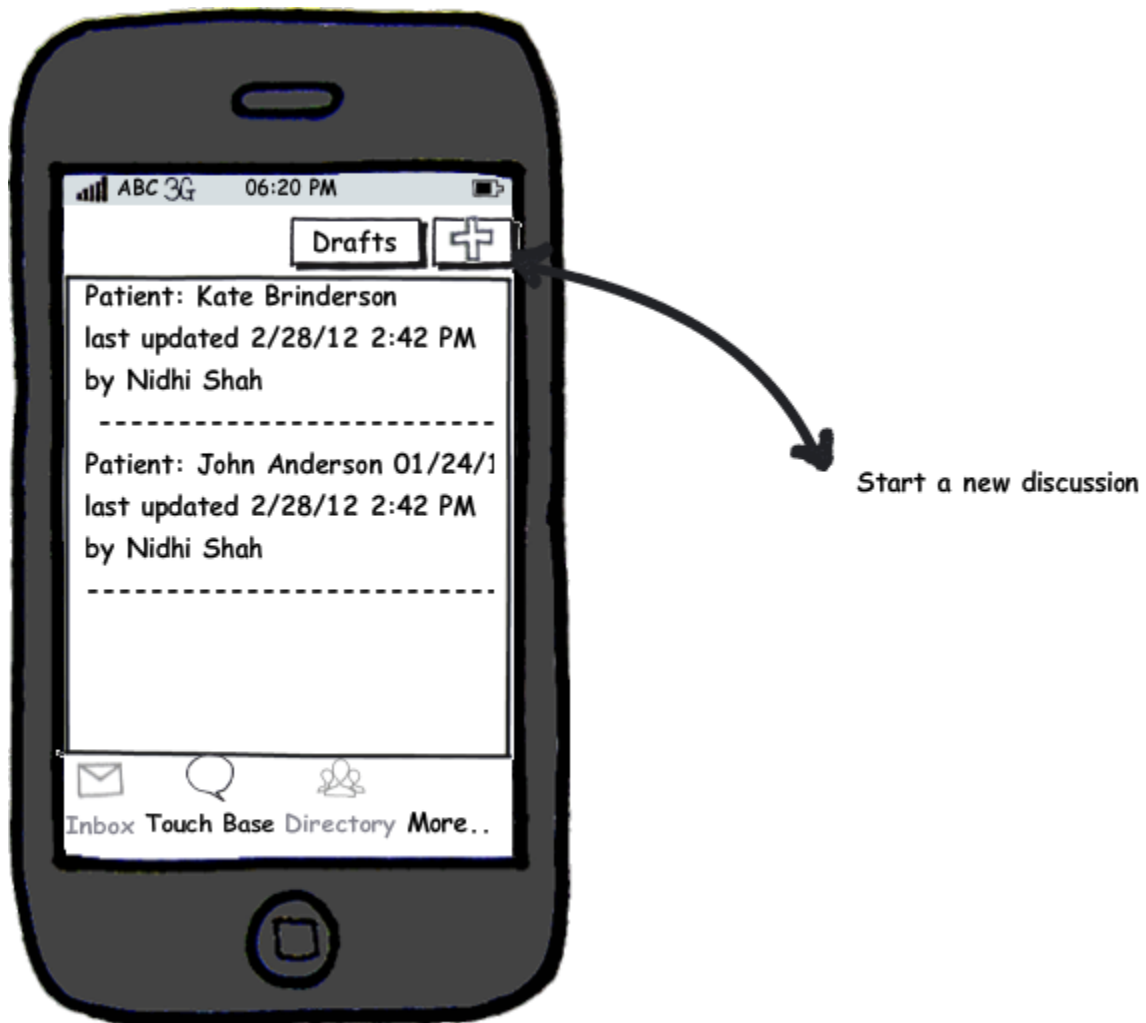
On clicking on the patient information, the form will expand to receive the patient information like patient name and date of birth.

5. Touch Base

Touch Base allows physicians to have ongoing group conversations about patients. This section is intended to allow physician to easily collaborate with a number of physicians at once about a shared patient.
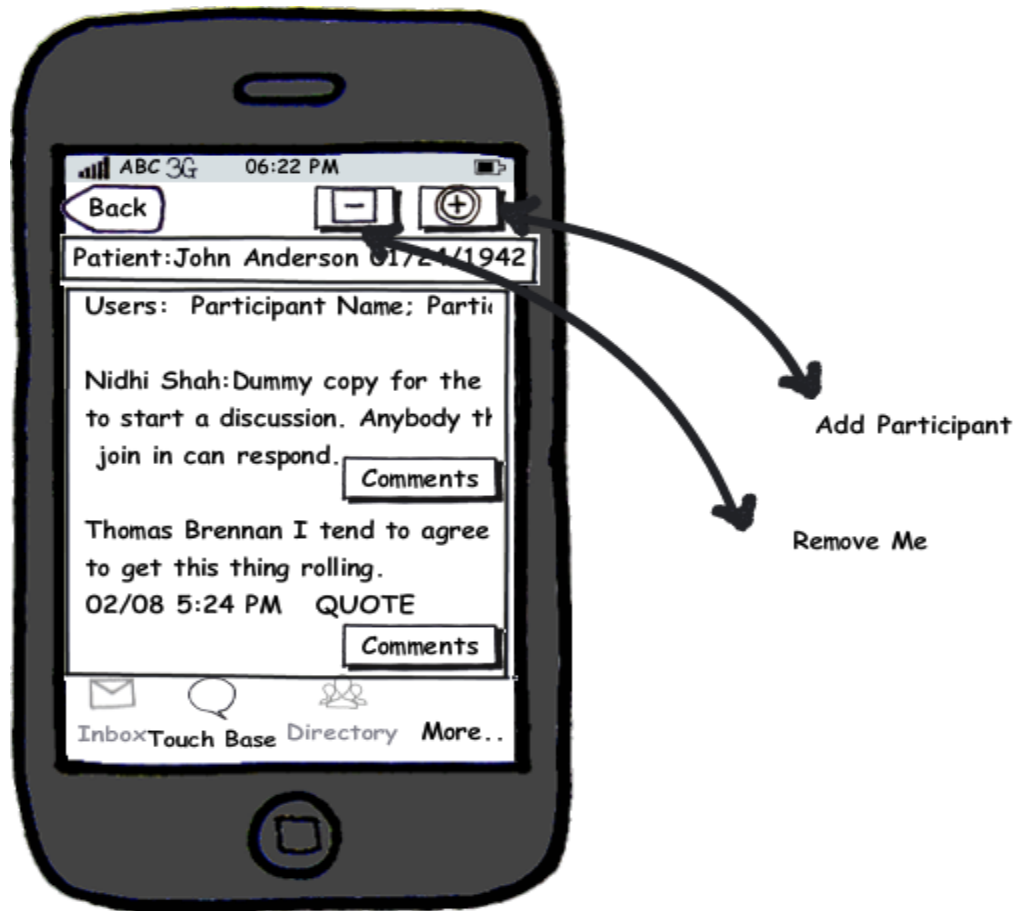
When the user clicks on Touch Base, the latest chat is displayed in the main view.

The user can click the "Start a Discussion" button on the top to create a new chat.
On clicking the "Drafts" button the view will be changed to the drafted messages and from there the user can come back to the discussions.
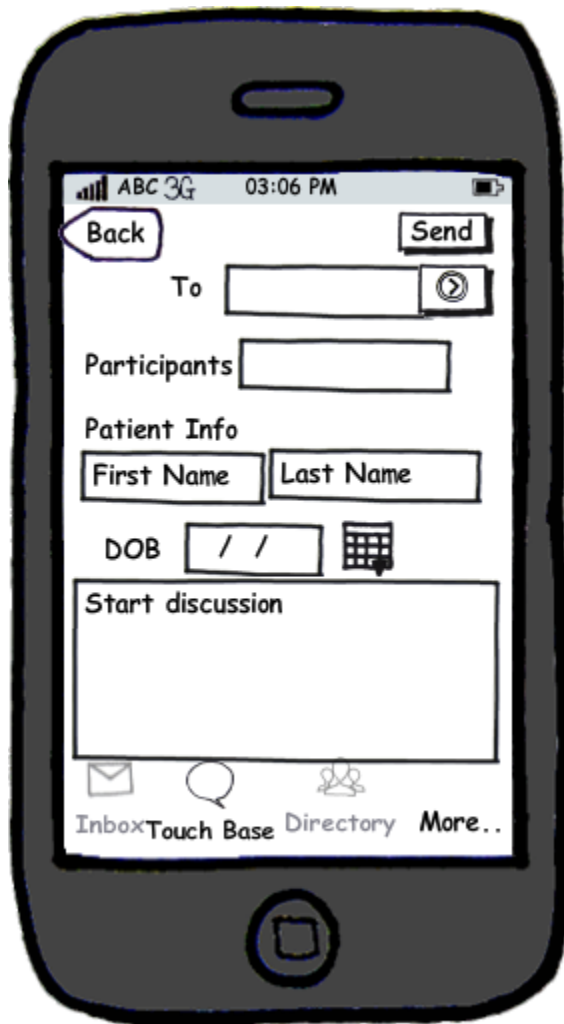

On selecting a discussion from this list, the discussion page will be loaded. From the discussion page, the user can make comments . The user can also stay away from the discussion by clicking the "remove me" button on top.
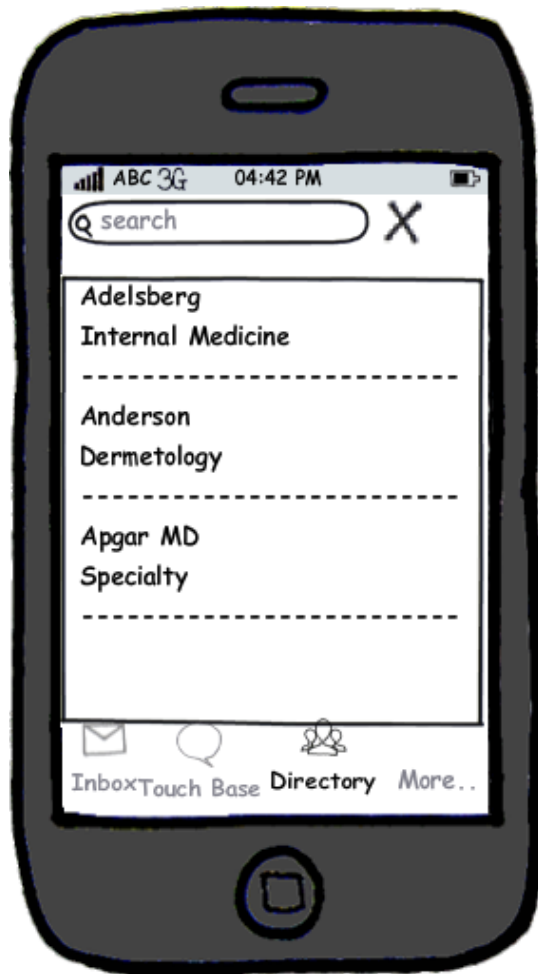
On clicking the comments button, a text area will come where the user can make his comments about the discussion going on.

The start new discussion will look like the following screen image.

6. Directory

Provides search functionality to allow users to search for physicians in the Internal Database. In the first screen only the name and the specialty will be shown. The name will be highlighted in bold. The user can search a profile and the listing will be displayed in this page. On clicking an item in the first page, more details about the physician will be shown in a new window
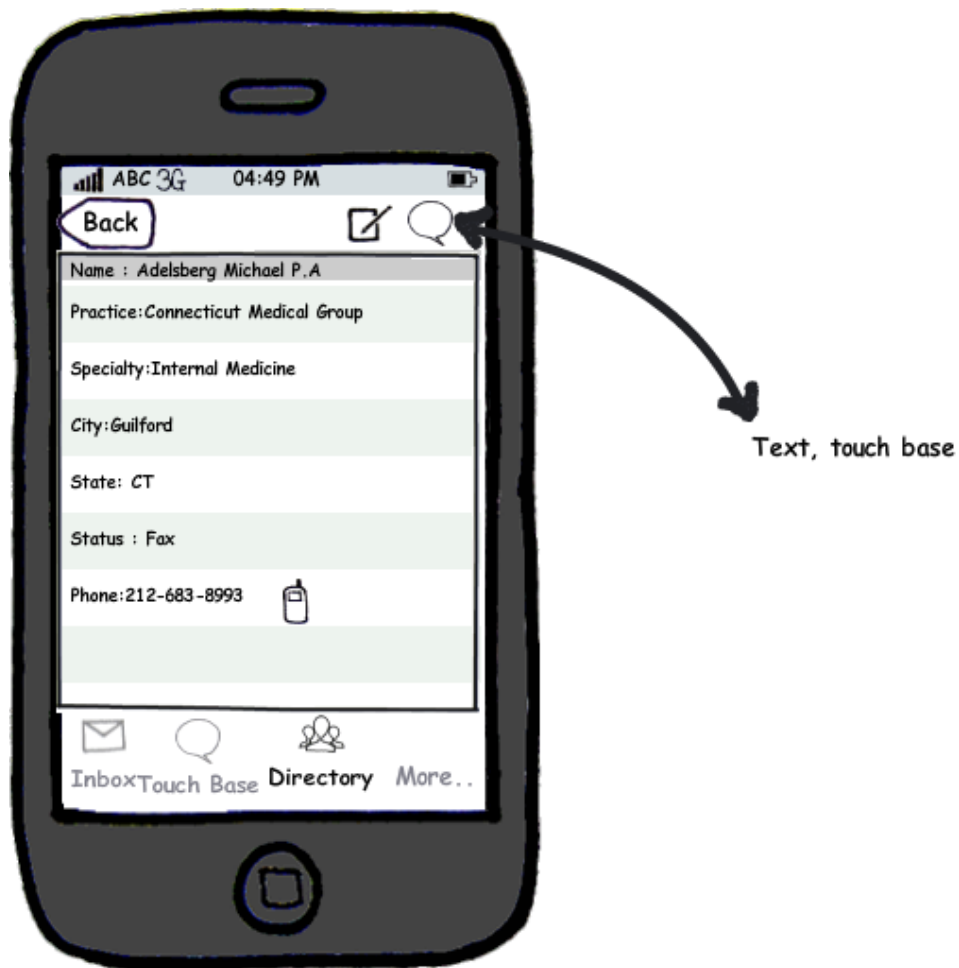
On clicking on item in the directory, the detailed screen will be displayed.

The detailed screen will have the following items

- Name
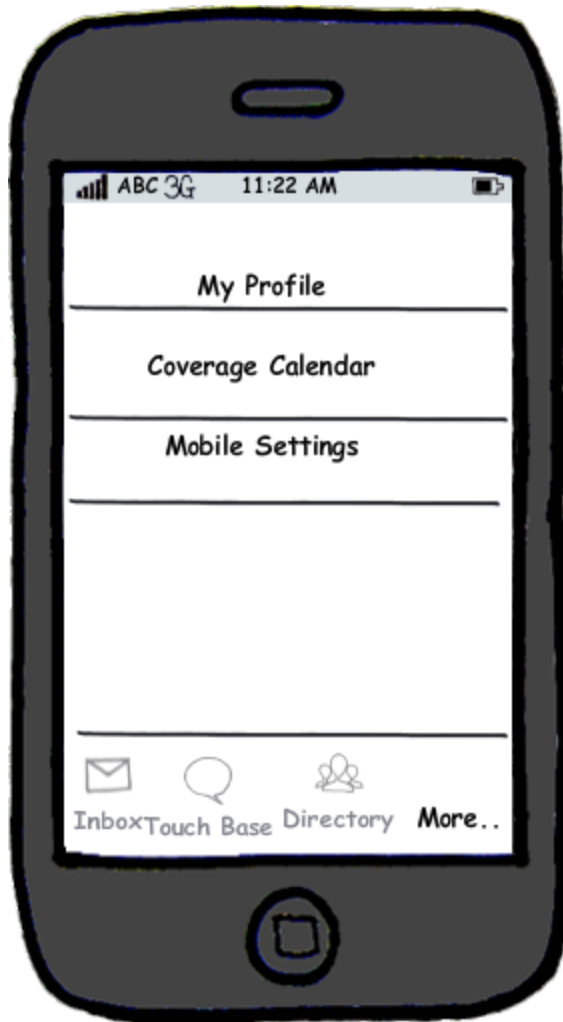- Practice
- Specialty
- City
- State
- Status
- Phone.

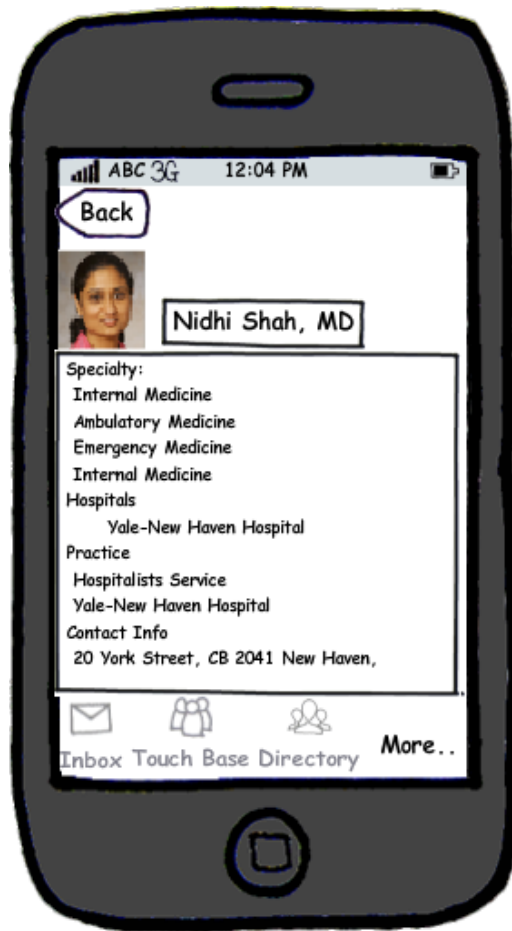There will be options to text message or touch bases the contact from this screen.

Text, touch base

7. **More**

The more menu will have options to navigate to the following items

a. My Profile
b. Coverage Calendar
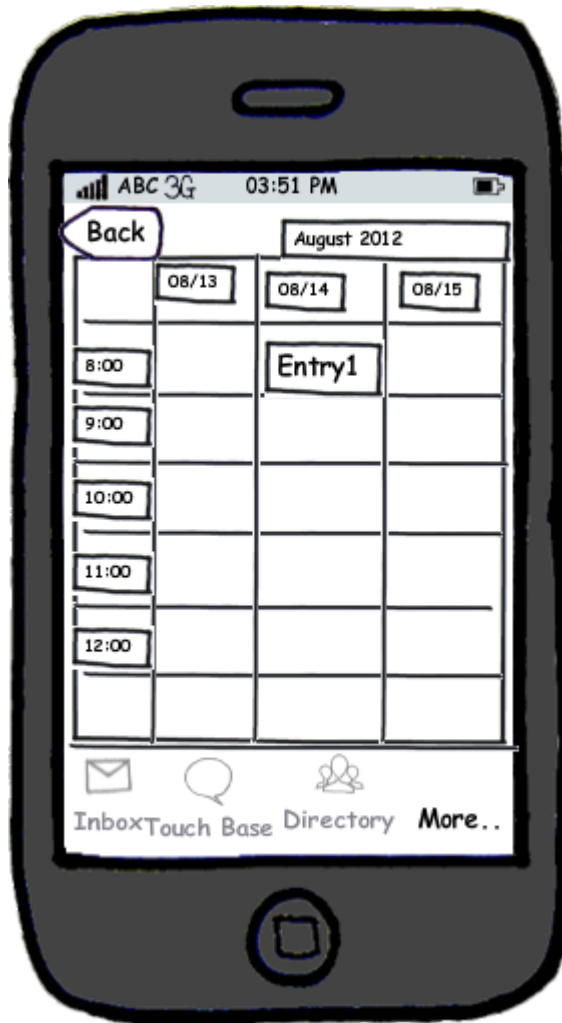c. Mobile Settings

7.1 My Profile

From the my profile menu, the user can see his/ her profile. However, for changing the profile the user needs to login to the web version. From the profile screen, the user can go back to the 'more' menu on clicking the back button.

7.2 Coverage Calendar

The coverage calendar will be a read only page which displays the schedule of the particular user. The calendar will display the schedule of that user for 2-3 weeks which can be scrolled and seen. On clicking a calendar entry the detailed page will appear. The addition or update of a calendar entry can be done only at the web side.

Mobile settings

The users mobile preferences can be set from the mobile settings page. This page will have two sections
- a. Mobile alert settings
- b. Push Notifications

The message alerts like the vibration alert and the ring on message are set from the mobile alert settings section. From the push notification section we can turn the push notifications on or off.

4.1 Communication Interface

The communication between the iPhone and the server will take place through the web service API hosted at the server. All the data transfer and various business logic for sending/receiving etc will be handled through API calls.

5. Other Nonfunctional Requirements

5.1 Dependencies

Notifyi will provide the account details required for distributing the app in apple appstore or enterprise distribution.

5.2 Packaging and Delivery Requirements

The executable system and all associated documentation (i.e., SSRS, SDD, code listing, and release notes) will be delivered to the customer at time of delivery. Although document "drops" will occur throughout the system development process, the final, edited version of the above documents will accompany the final, accepted version of the executable system.

6. Other Requirements

Nonfunctional requirements focus on the qualities that must be applied to design and implement the system.

Type of Requirement	Description
Reliability	The application should give an up-time of 99%.
Operational Recovery	Manual/Automatic backup facility of data should be provided. On the event of a System/Application crashes, recovery should be quick with minimum process. If possible, automate the recovery wherever possible.
Performance and Response time	Every image should load without fail. Any errors like server system failure should be displayed to the user in appropriate messages.
Scalability	The application architecture should allow any number of users to access the server system. At the same time add any number of users dynamically without stopping the system.
Security and privacy	Consumers should not be able to view content/data intended for employers/store managers only.
Interoperability	The application should be able to integrate and exchange data or services with other systems.

Appendix A: Glossary

[Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.]

Appendix C: To Be Determined List

[Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.]