

## Be In Touch

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Description

Intended User

Features

User Interface Mocks

Screen 1: Contacts List

Screen 2: Details Contact

Screen 3: Widget

Key Considerations

How will your app handle data persistence?

Describe any corner cases in the UX.

Describe any libraries you'll be using and share your reasoning for including them.

Describe how you will implement Google Play Services.

Next Steps: Required Tasks

Task 1: Creation of the Project

Task 2: Implement UI for Main Activity and Fragment

Task 3: UI for Detail Activity and Fragment

Task 4: Implementation of Services

Task 5: Implementation of Google Play Services

Task 6: Creation of Widget and Icon for App

Task 7: Testing of App

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## Be In Touch

Description

Be In Touch allows us to be in touch with the people we care about. It reminds us to contact them.

Be In Touch allows shows us details about our interaction with the people.

## Intended User

This app is for anyone who wants to get notified regarding calling our beloved ones.

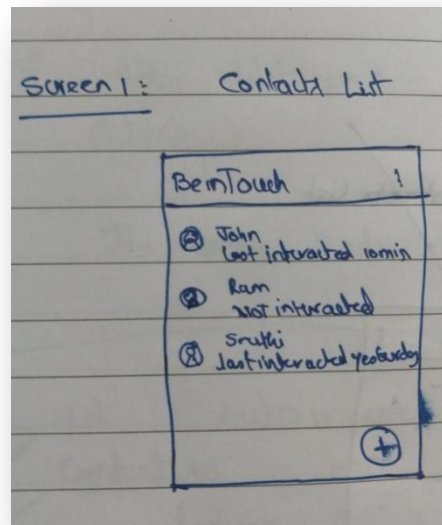
## Features

List the main features of your app. For example:

- Allows us to add the contacts for whom the reminder should be enabled
- Reminds us to call to/interact with our beloved people
- Show the details of our interaction

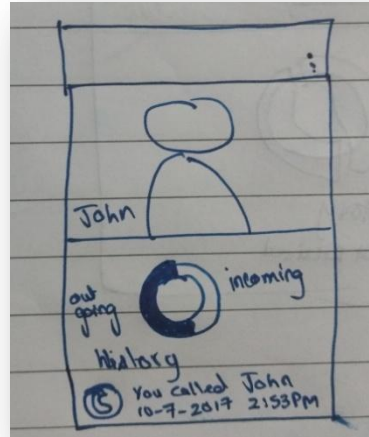
## User Interface Mocks

### Screen 1: Contacts List



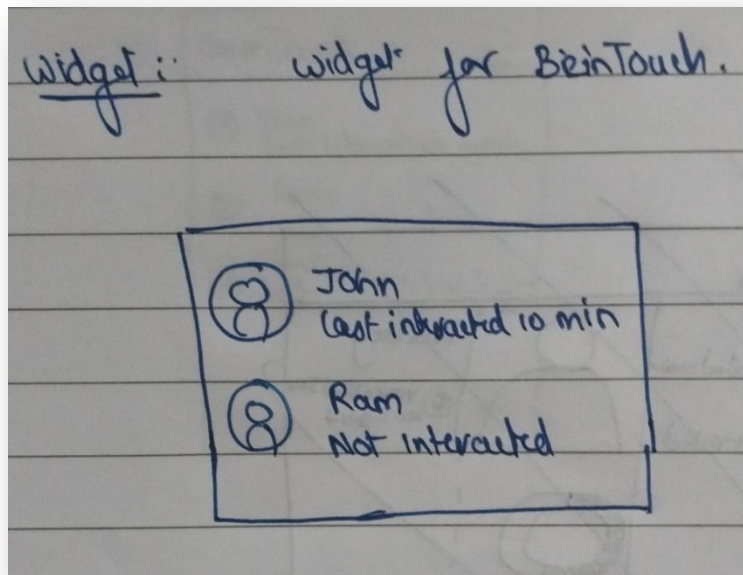
This screen is the contacts entry screen using which the user adds the contacts they want to get a reminder(Call remainder/notification). In order to add a contact to the this screen the user clicks on FAB and selects a contact from the **contact picker(Android Contact Picker)**. Once a contact is selected from the contact picker, the contact gets added to the list if they are not yet added. For the added contact details like thumbnail image , name , last interaction would be displayed.

## Screen 2: Details Contact



This screen contains the details information about a contact on whom the user has clicked in the contacts list screen. In this screen a detailed information of how our interaction with the selected contact is done. The information here will be shown with the help of graphs. This view also contains history of our interaction with the clicked/selected contact.

## Screen 3: Widget



The widget view contains the contacts added to the contacts entry screen. Upon clicking on the entry the detail view of the contact would be launched.

## Key Considerations

### How will your app handle data persistence?

The App uses the Contact Provider of android for reading Contacts and Call Log data. The App also has its own Contact Provider.

### Describe any corner cases in the UX.

When a contact is deleted from the App, No view /data related to the deleted contact has to be shown

### Describe any libraries you'll be using and share your reasoning for including them.

Glide for loading images

Dexter for Handling run time permission for devices above Android M

Timber for logging

CircleImageView for displaying thumbnails of contacts

Stetho for viewing the data base contents of the application

### Describe how you will implement Google Play Services.

I am planning to integration

- 1) Google Ads Service to display the Ads
- 2) Firebase Analytics(Upgraded version of Google Analytics)

## Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

### Task 1: Creation of the Project

- Creation of the project
- Adding the project dependencies

## **Task 2: Implement UI for Main Activity and Fragment**

- Build UI for MainActivity
- Add Contact Picker functionality
- Creation Data(Contract, Content Provider, DB Helpers) for the MainActivity
- Creation of the adapter and async tasks for linking the UI and the Database
- Load the data to the UI using the cursor loader

## **Task 3: UI for Detail Activity and Fragment**

- Build UI for DetailActivity
- Create the Interaction from MainActivity to DetailActivity
- Create the Graph View for displaying the details of the contact
- The Data for the Graph View will be taken from the Call Log Content Provider

## **Task 4: Implementation of Services**

- Creation of a service to notify user to interact with a specific contact

## **Task 5: Implementation of Google Play Services**

- Implementation of Google Ads Service
- Implementation of FireBase Analytics Service

## **Task 6: Creation of Widget and Icon for App**

- Creation of widget for the App to display the list of contacts added to the Activity displaying the contact list
- Creation of Icon for the App

## **Task 7: Testing of App**

- Testing the Application for checking the existence of bugs/issues