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Remind me

Description

Remind me is a reminder app which is used to set up notification reminders. Now the user can add any reminder at any time and the application will remind the user on the desired date and time. It is a utility application which can help the user on a daily basis.

Intended User

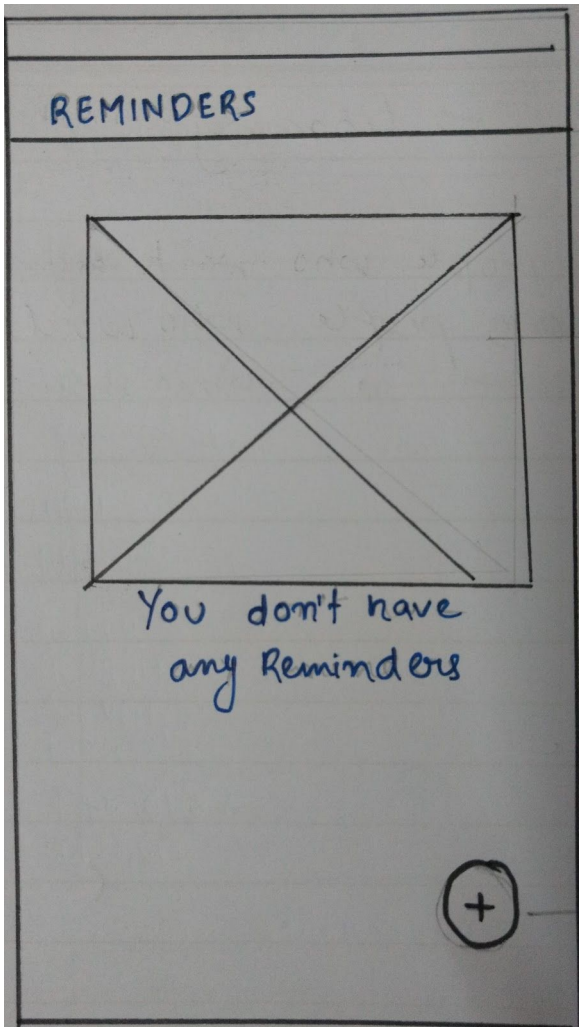
This application is for the general people, anyone can use this and this application will help to maintain the daily routine if the user want to stay organised by adding any daily reminder.

Features

- Reminds from notification
- Saves information offline
- Add and delete information
- Saves done reminder

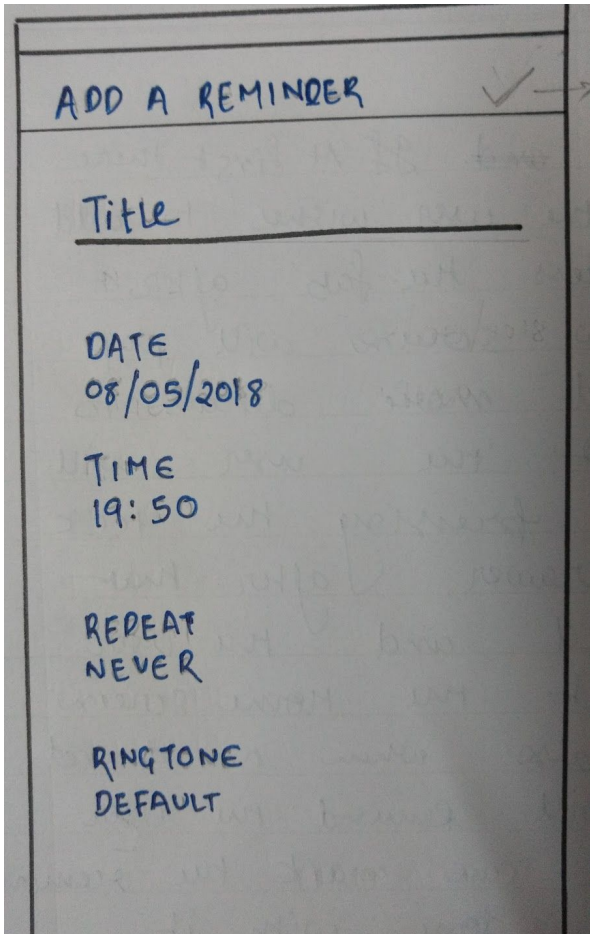
User Interface Mocks

Reminder List Screen (Empty)



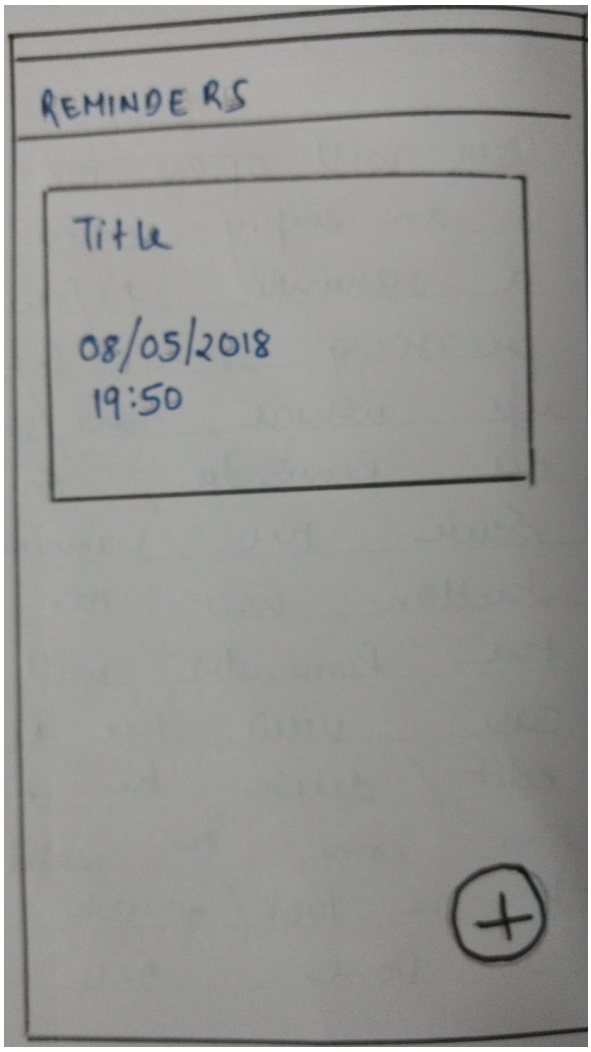
This is the starting screen as the user starts the application. This screen represents that there are no reminders and to set a reminder the user have to press the floating action button.

Add Reminder Screen



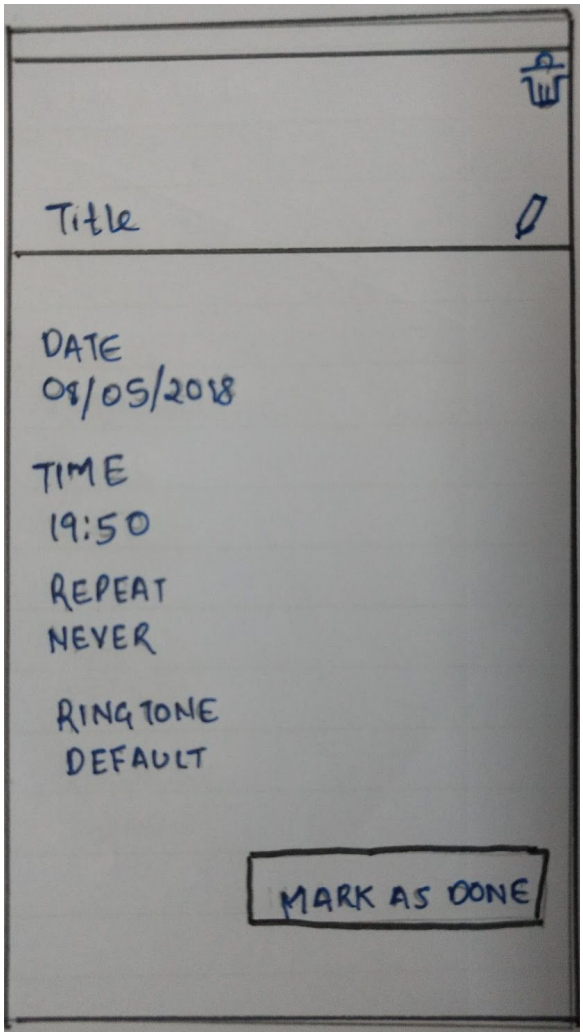
After pressing the floating action button this activity will pop up where the user add the required details for the reminder. Once the user is done, to save the reminder the user have to click on the Tick mark in the app drawer to save the reminder into the application.

Reminder List Screen (With Reminder)



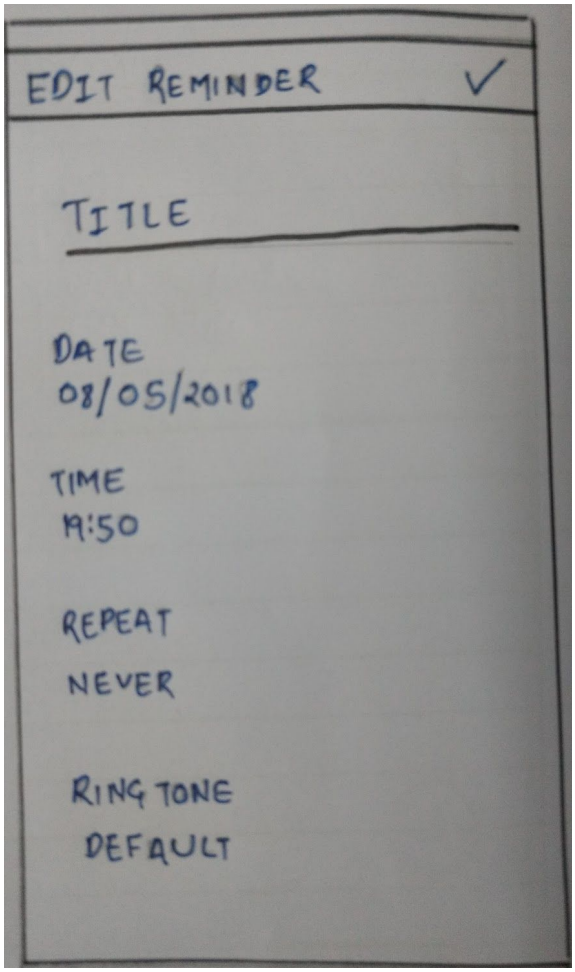
After the user have saved the reminder, first screen will be updated and will show the upcoming reminder with details.

Reminder Screen



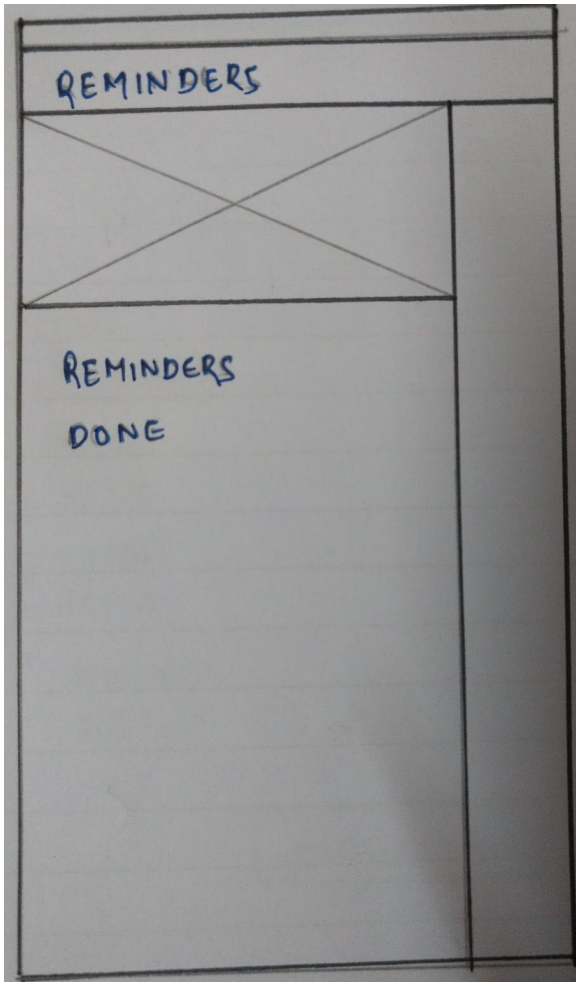
When the user taps on the upcoming reminder a new screen will appear which will show the details about the reminder . This screen will provide an option to edit or delete the following reminder.

Edit Reminder Screen



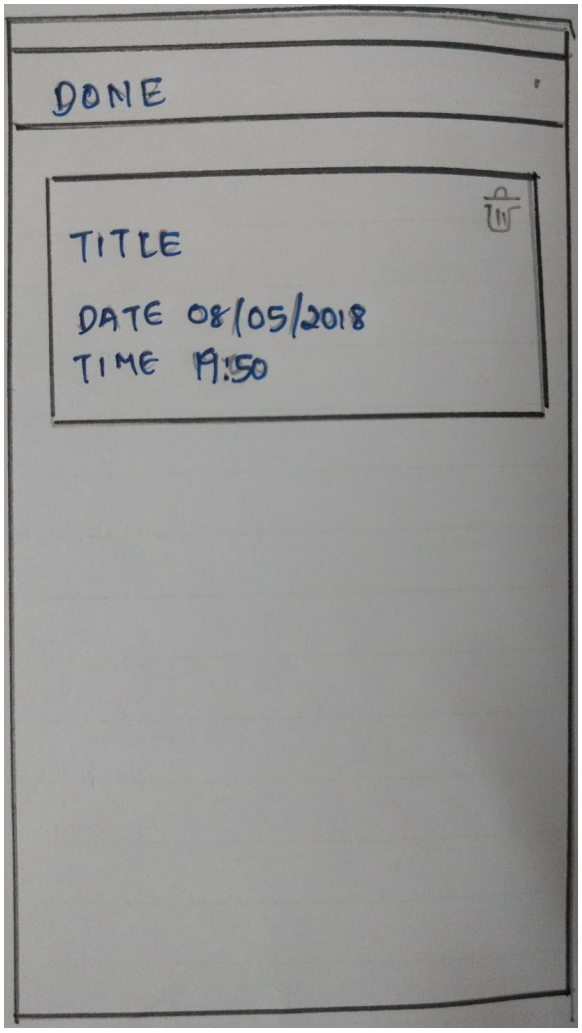
If the user chooses to edit the reminder this screen will pop up where the user will simply update the details whichever is needed to changed.

Navigation Drawer



This is the navigation drawer where the user can see the done reminders and also can switch back to the reminders list. This navigation drawer will help in navigation between two activities.

Done Reminder Screen



When the user mark the reminder as done, the Done reminders will show up in this activity. Also the user have option to clear the reminder from this activity

Key Considerations

How will your app handle data persistence?

The application will have a content provider which will provide information regarding the Reminder and that is how the app will handle the data persistence.

Describe any edge or corner cases in the UX.

- Orientation changes of device should not affect the application state being in any state.
- Popping up an alert dialogue when a user forget to save the reminder

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

- Butterknife library is used for boilerplate code reduction.
- Firebase is used for the for analytics and crash reports

Describe how you will implement Google Play Services or other external services.

- Google admob will be implemented to provide ads on the app
- Firebase Crash Reports and analytics to monitor the application.

Tasks

Task 1: Project Setup

Create and setup the project. This step requires these subtasks

- Create the new project in android studio and provide a name to the project
- Add the required libraries to the application.

Task 2: Database Persistence

Add a Content provider and data helper class to handle all the locally stored data in the application.The following steps are required to achieve this

- Add a content provider
- Add a database helper
- Implement the database access function using the loaders and created content provider.

Task 3: Add the libraries

- Add the Butterknife library to reduce the boilerplate code reduction

Task 4: Setup the UI

Implement all the necessary fragments and activities
Following UI parts will be created :

- Reminders list activity
    - Setup the empty screen.
    - Add a recycler view.
- Done Reminders list activity
    - Setup empty screen.
    - Add a recycler view.
- Left side navigation drawer
    - Add links to both the activities to access.
- Add Reminder note activity

Task 5: Notification Service

Add a broadcast receiver for providing notification about the reminder which the user have set.

Task 6: Manifest

Add the broadcast receiver, parent activity, fragments and the content provider to the manifest file.

Task 6: Google Play services

Add all the google play services mention above that is the firebase crash reports and the firebase analytics . also add the admob to the application to display the ads in the application

Task 7: Make application production ready

- Use material design to improve the visuals of the application
- Provide RTL support to the layout
- Plan for localization by moving all the strings to strings.xml

Task 8 : Prepare for the release

Create app icon and Remove any debug messages