How to Use this Template

1. Create a new document, and copy and paste the text from this template into your new document [Select All → Copy → Paste into new document]
2. Name your document file: “**Capstone_Stage1**”
3. Replace the text in green

GitHub Username: EmanEssam

Description

Friendly system to help user , demonstrate the month tasks , be productive , track habits and get things done in time.

Intended User

Who is your intended user? (For example, is this an app for dog owners? Families? Students? Travelers?).

Anyone who has bunch of things to do .

Features

Implementation aspects :

- App is written solely in the Java Programming Language
- App keeps all strings in a strings.xml file and RTL enablesd.
- App support accessibility by content description , hints for edit text , large space for touch target area and material design colors .

Used Libraries

- Android Studio 3.1.3
- Gradle 4.4
- 'com.android.support:appcompat-v7:27.1.1'
- 'com.android.support.constraint:constraint-layout:1.1.2'
- 'com.android.support:design:27.1.1'
- 'com.android.support:recyclerview-v7:27.1.1'
- 'com.android.support:support-v4:27.1.1'
- 'junit:junit:4.12'
- 'Com.android.support.test:runner:1.0.2'
- 'com.android.support:cardview-v7:27.1.1'
- 'com.google.firebase:firebase-database:16.0.1'
- 'com.google.firebase:firebase-core:16.0.3'
- 'com.android.support:support-v4:27.1.1'
- 'Com.google.android.gms:play-services-analytics:16.0.3'
- 'com.emredavarci:circleprogressbar:1.0.4'

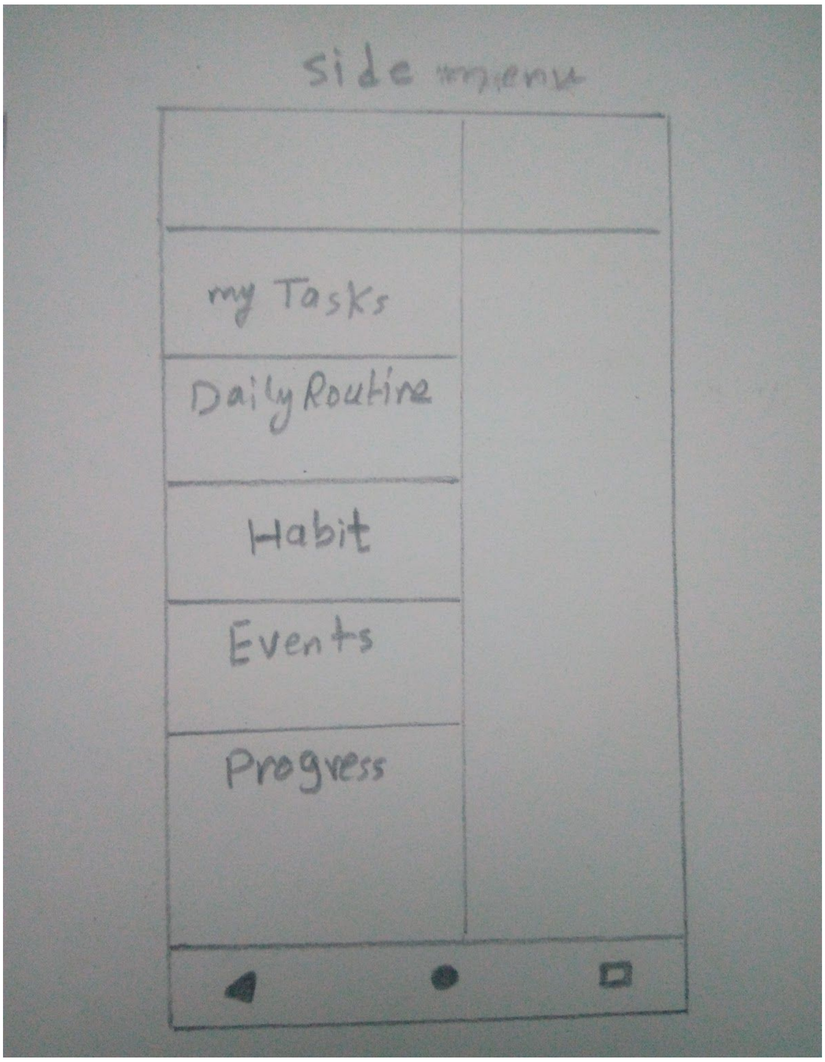
List the main features of your app. For example:

- Create tasks , edit and delete
- Save tasks offline
- Track habits
- Track progress.

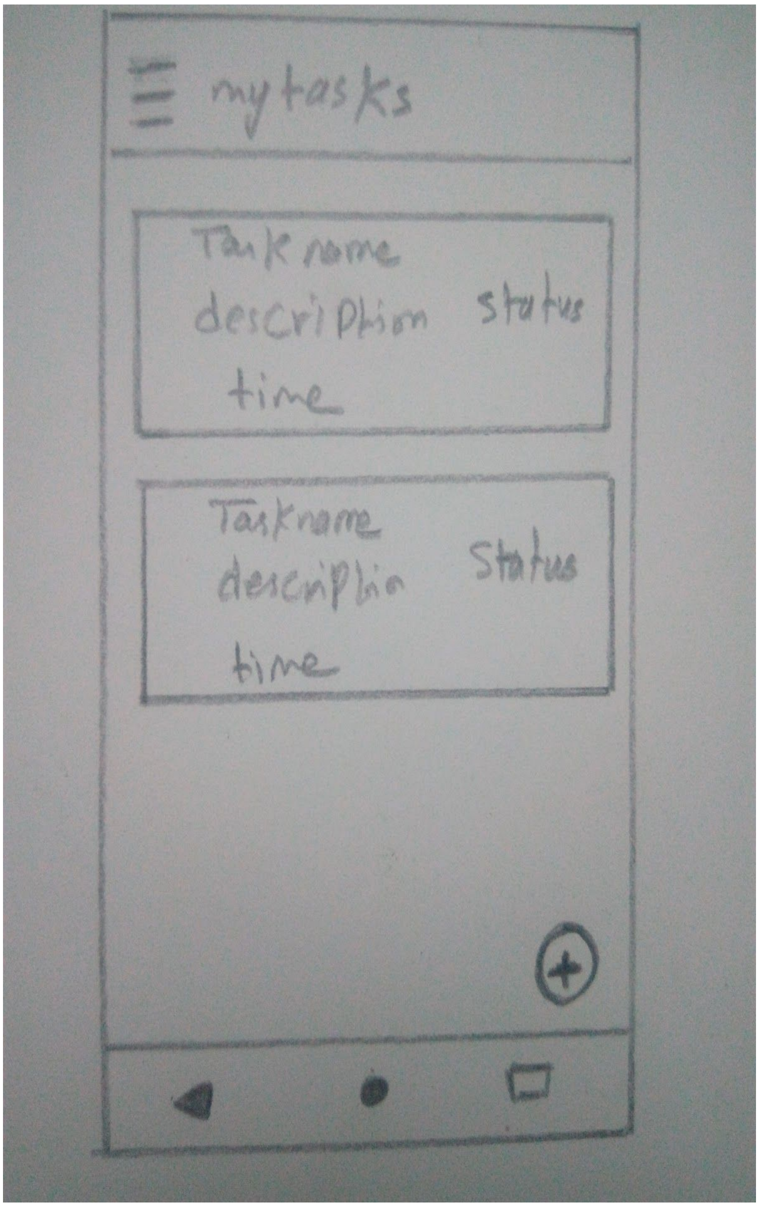
User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

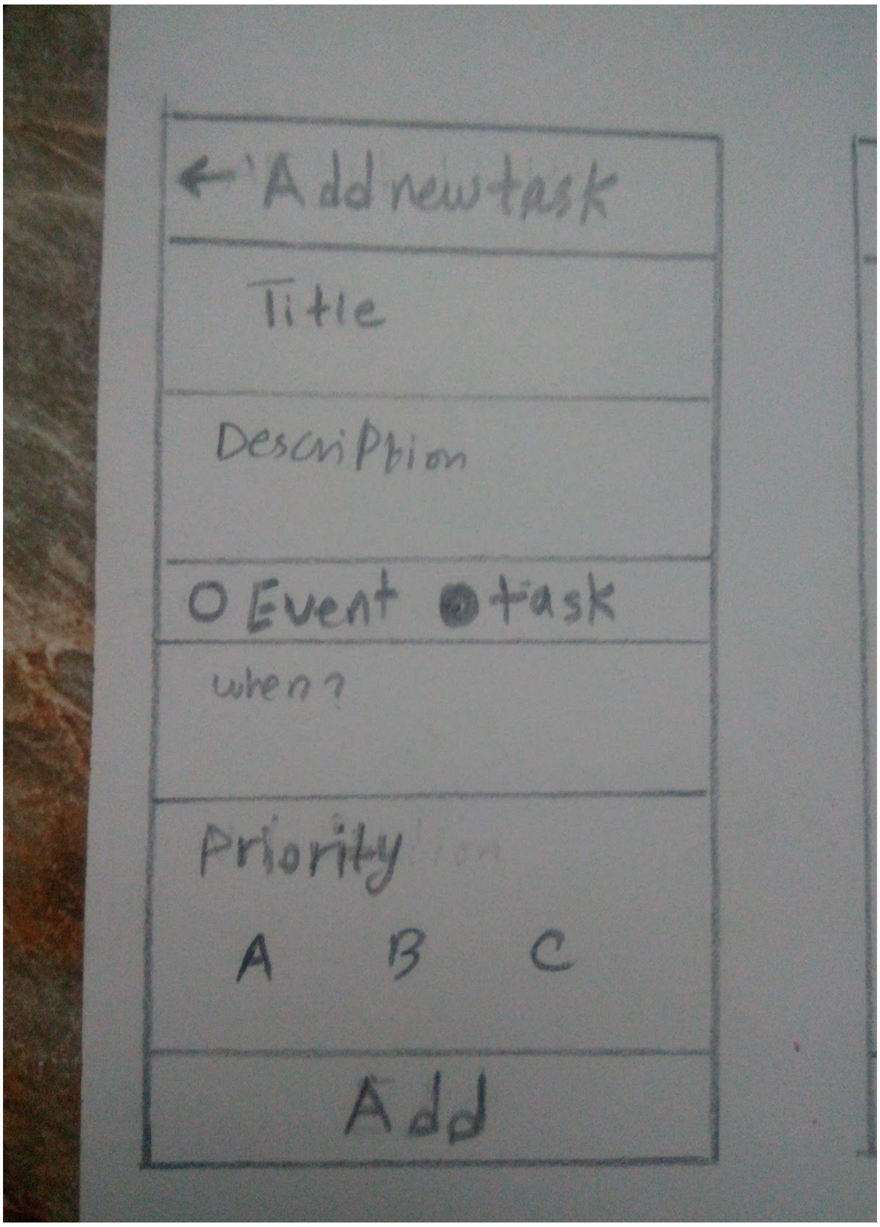
Screen 1 side menu



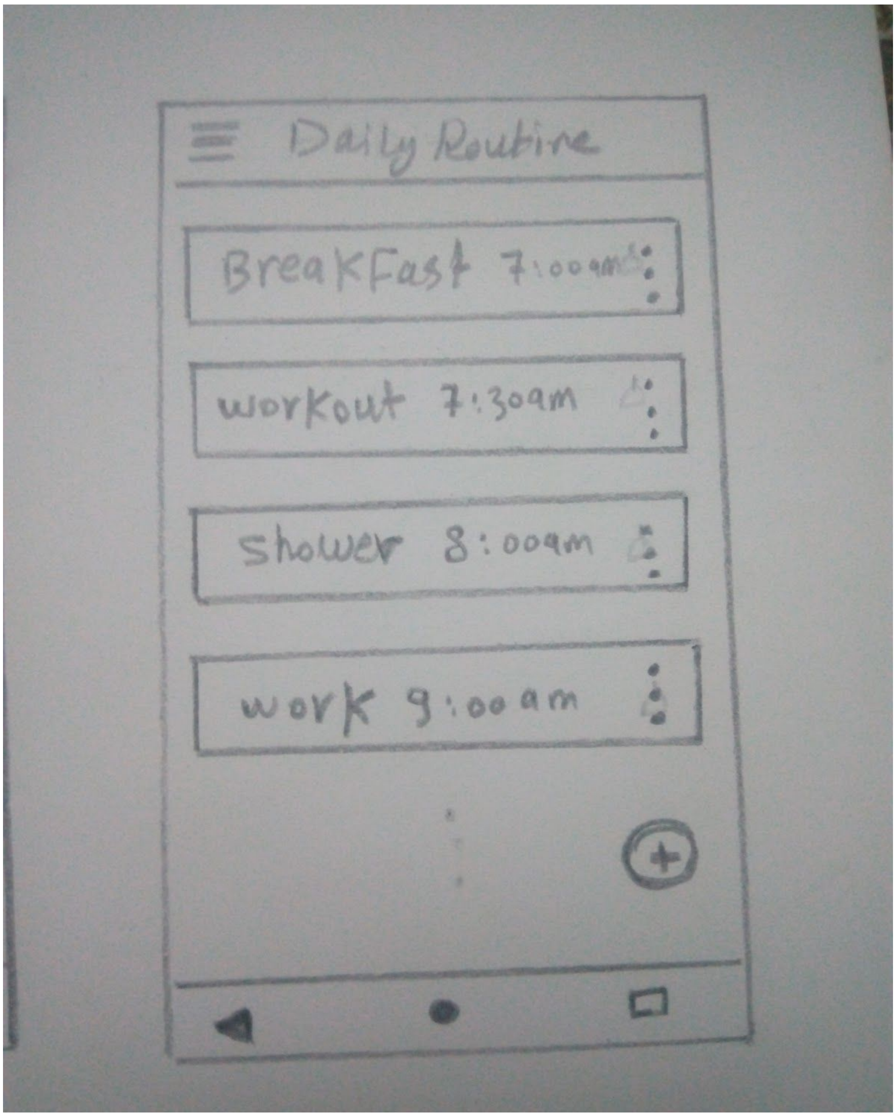
Screen 2 : my tasks screen , list of task , where user can add new task by click on FAB , edit and delete specific task .



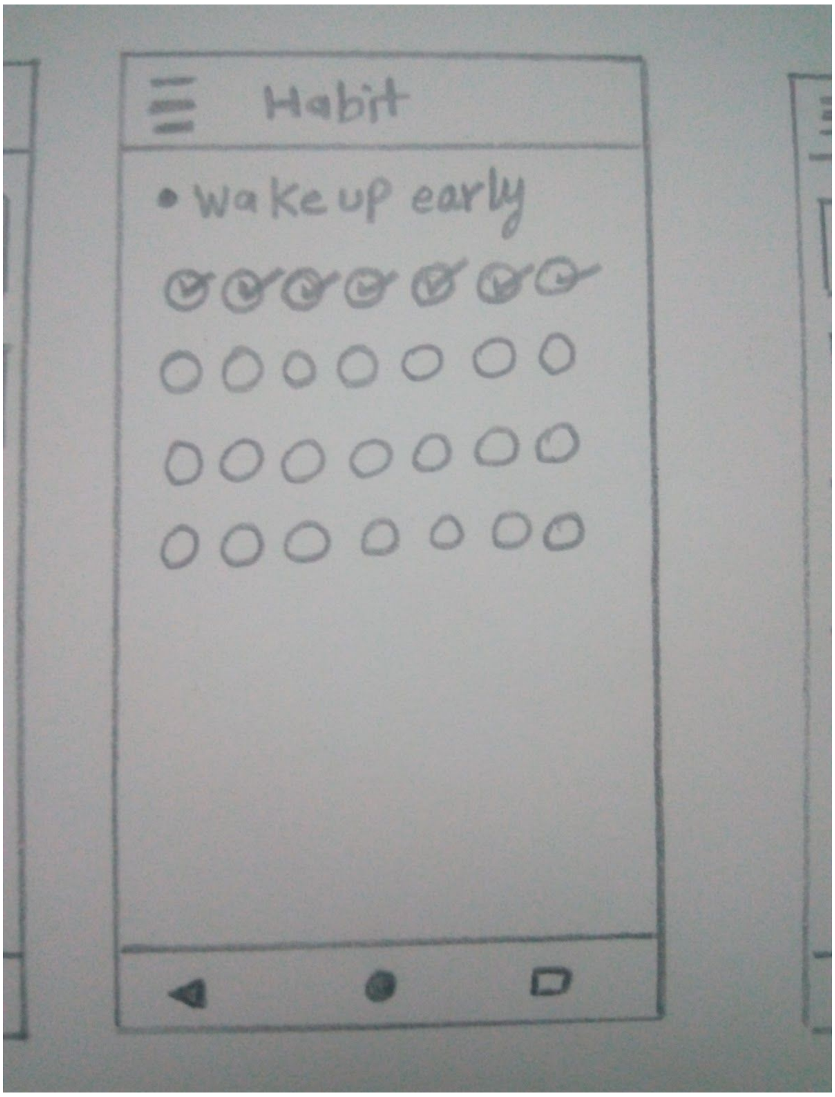
Screen 3 : where user can add new task :



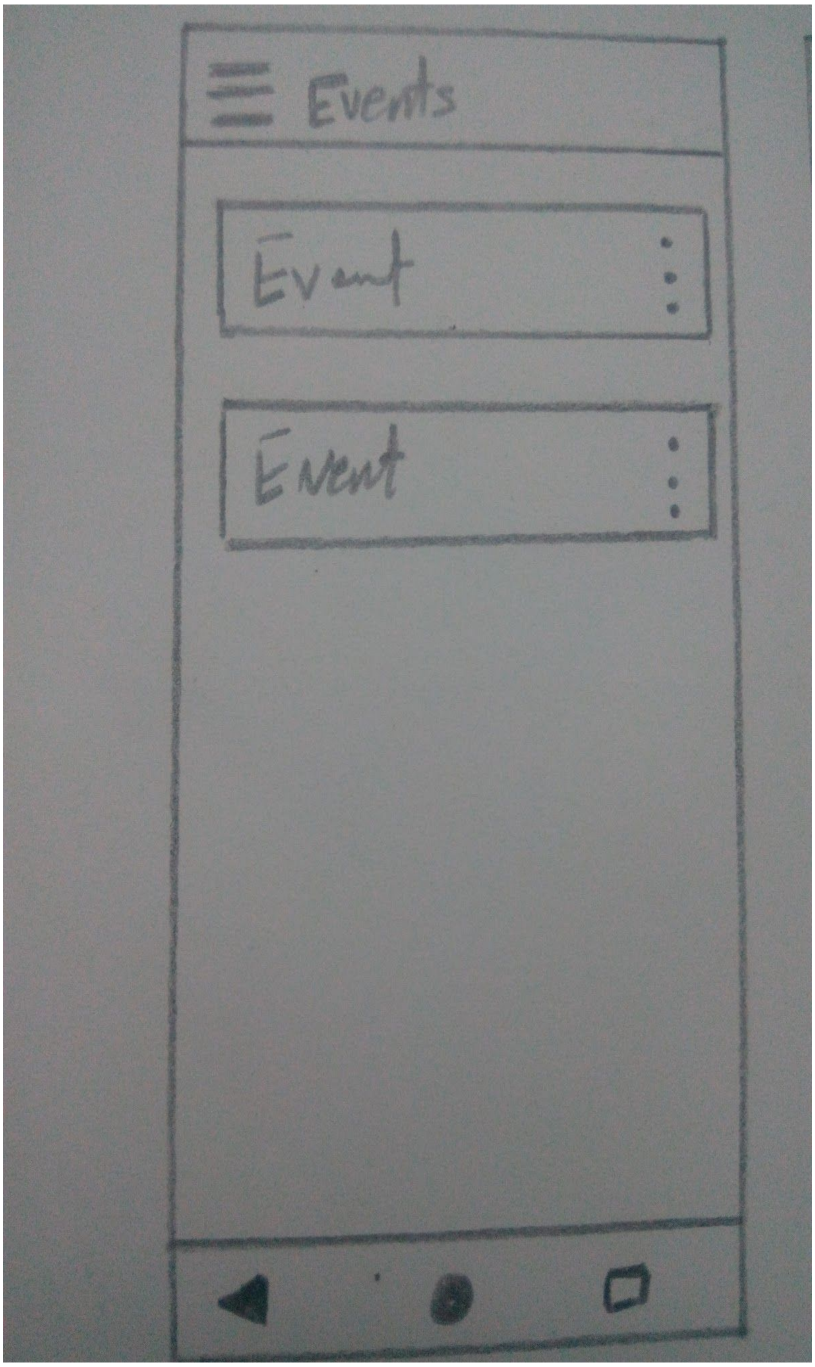
Screen 4 : Daily rotine screen , use has suggested daily routine which user can edit :



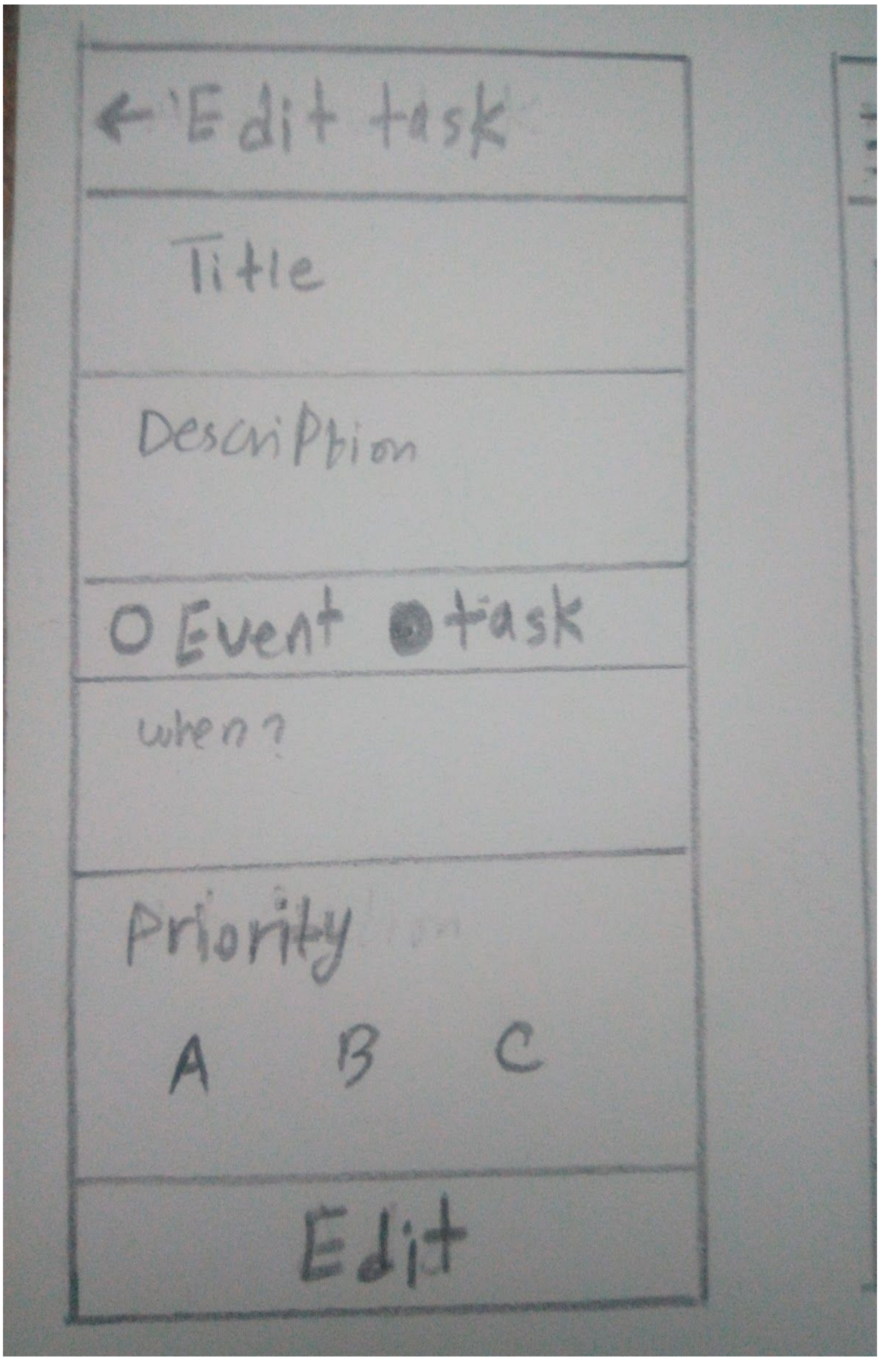
Screen 5: Habit screen , where user can



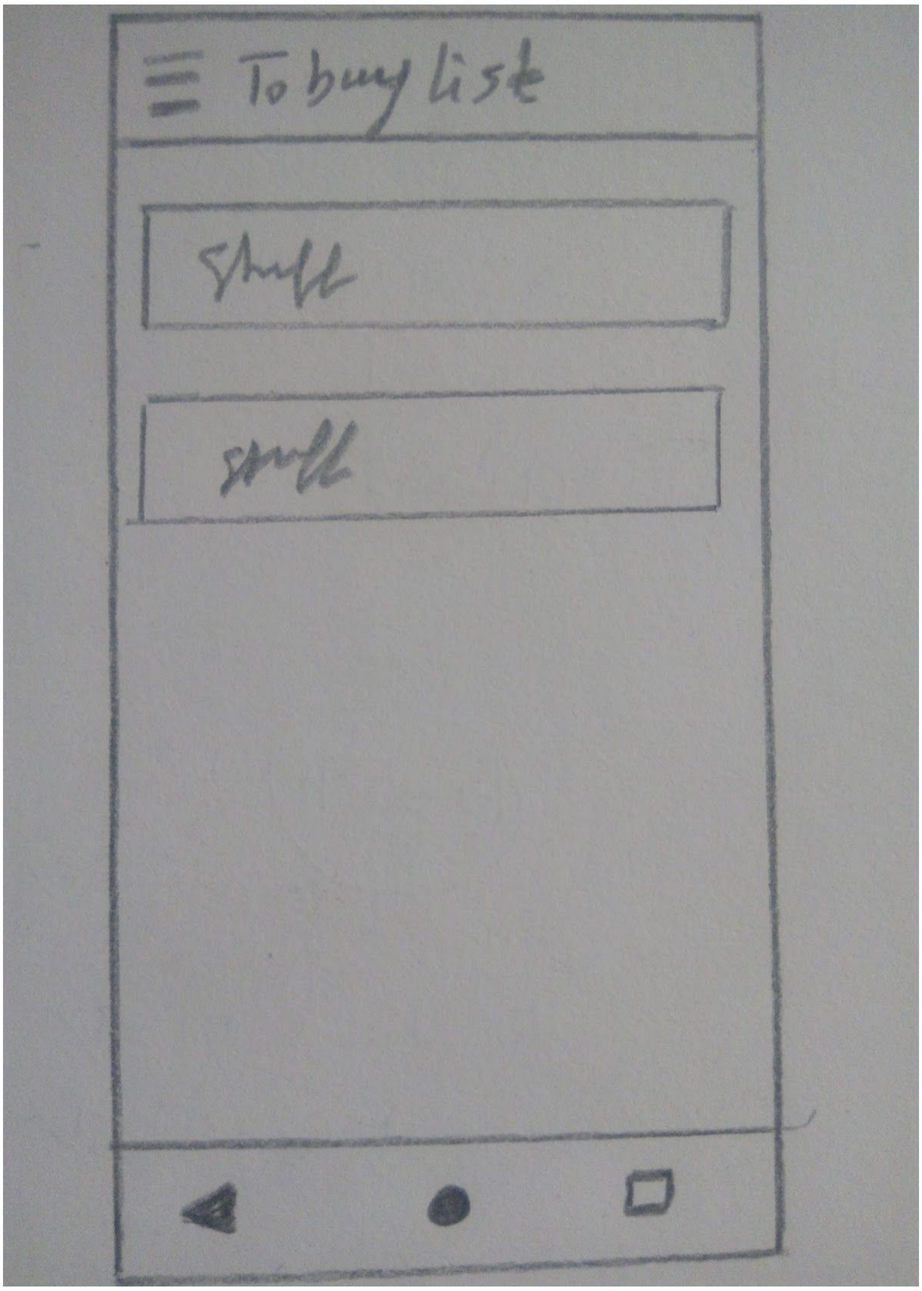
SCreen 6 : Events screen , where user can track events edit and add.



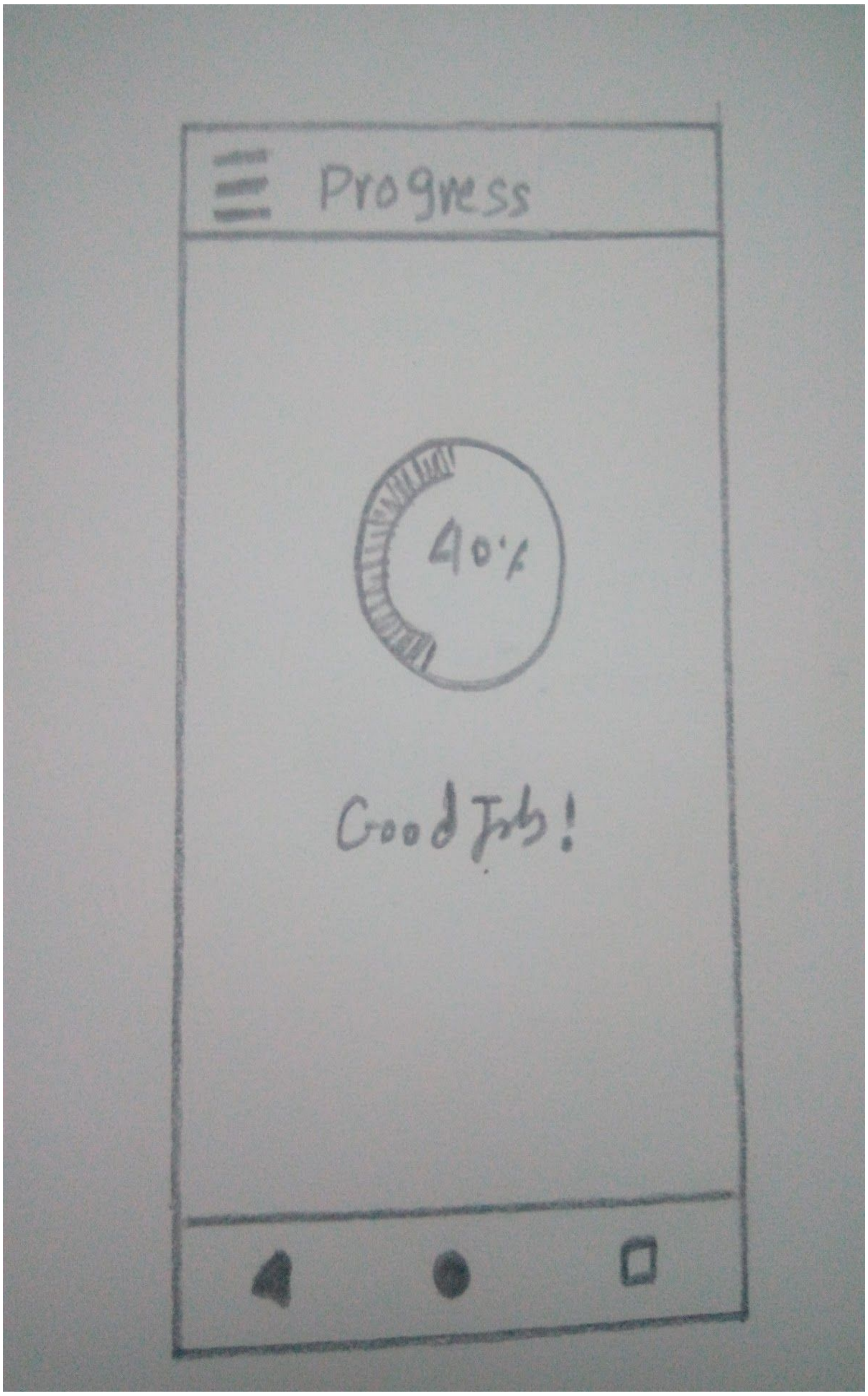
Screen 7 : edit task screen



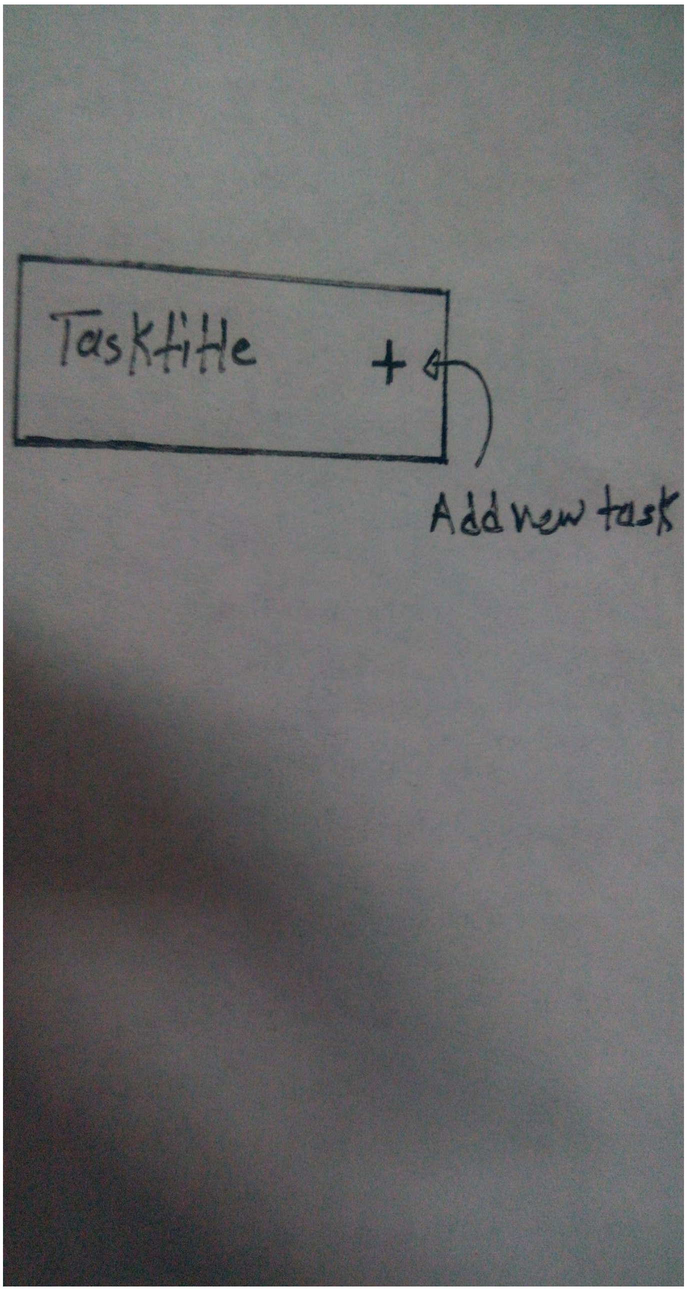
Screen 8 :
To buy List , monthly list to buy .



Screeen 9 : progress screen , calculte the percentage of doing the tasks :



Screen 10 : widget :



Key Considerations

How will your app handle data persistence?

My app will use Firebase Realtime database to save data .

Describe any edge or corner cases in the UX.

- User inputs very long or blank strings into descriptions or names strictly enforce character limit for text fields
- User clicks “back” when trying to type a new goal or milestone before saving give notification asking if they would like to discard
- User goes offline use firebase Realtime database’s caching features to preserve some user data until connectivity is regained

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

CircleProgress : to load the progress of done tasks .

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

- set up project with the Google Play services SDK
- Set up Firebase realtime database.

Next Steps: Required Tasks

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

Task 1: Project Setup :

- App is written solely in the Java Programming Language

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

- Configure libraries.
- Design database.
- Setup side menu.
- Implement side menu screens

- Implement sub screens
- Implement widget

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for MainActivity
- Build UI for my tasks screen
- Build UI for Add new task screen
- Build UI for for Daily routine screen
- Build UI for Events screen .
- Build UI for Habit screen
- Build UI for Edit task screen
- Build UI for To buy List screen
- Build UI for progress screen.
- Build UI for Widget.

Task 3: Your Next Task

Describe the next task. For example, “Implement Google Play Services,” or “Handle Error Cases,” or “Create Build Variant.”

Describe the next task. List the subtasks. For example:

- Implement Firebase Realtime Database
- Implement Analytics .
- Implement Error handling.
- Implement navigation in app .
- Implement **Async task** for generating list of object for current month days .

Task 4 :

- Implement app widget .
  (Widget will include latest pinned task and icon navigate for adding new task)

Add as many tasks as you need to complete your app.

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
  - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"