

## How to Use this Template

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## Submission Instructions

1. After you’ve completed all the sections, download this document as a PDF [ File → Download as PDF ]
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# TeamUp

## Description

TeamUp is task sharing app that helps to share pending task in a group of people. With variety of features it provide easy way to complete task by distributing task & notify other about the status of Task.

## Problem :

There are many situation when one can easily complete task on time because of availability of resources while other can't.

## Solution

Develop an App in which user can add a pending task which is display in group of people allow by user. Whenever any user complete the task, they cancel it from pending list. Same time other user of same group will notify that the task is completed. It also notify group user that new task is created.

## Intended User

This is general purpose App which is used by all like , for all members in family to manage their household chores, for all professionals to distribute work in a team, for all teenager to manage their college events.

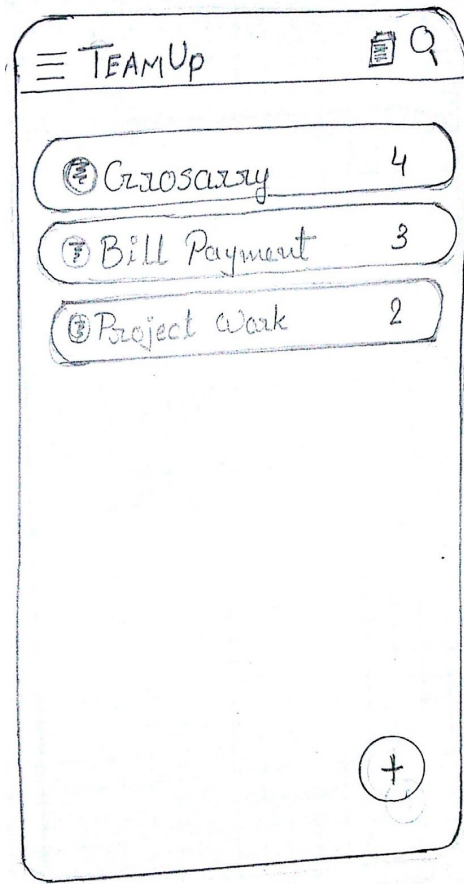
## Features

- Saves off line task as well On Line
- Notify group member whenever addition or completion of task

## 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 Photoshop or Balsamiq.

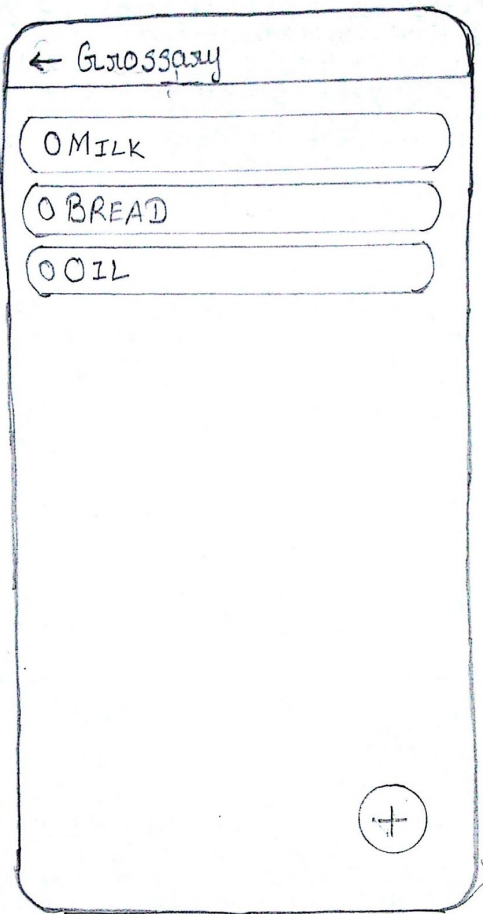
## Screen 1



Replace the above image with your own mock [ click on the above image, then navigate to Insert → Image... ]

The home screen of the app which will show list of Pending Task and Priority Task & Completed Task which is selected from navigation pane.

## Screen 2



Replace the above image with your own mock [ click on the above image, then navigate to Insert → Image... ]

After clicking on Category of Main Screen Pending Task it will lead to Detail Screen. Where You can cancel task After it has been finished.

Screen - 3

← Add Task

Task Detail  
|

☐ Priority

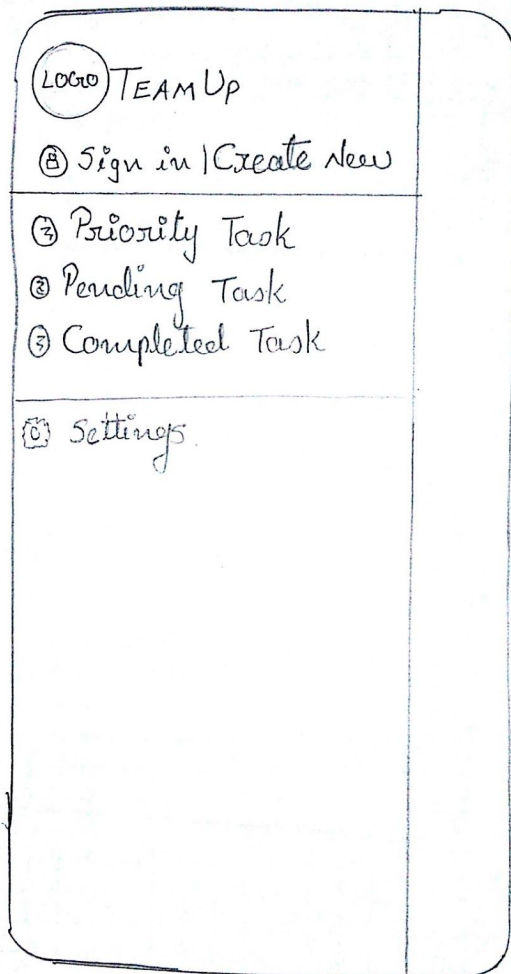
☐ Reminder

☐ Due Date

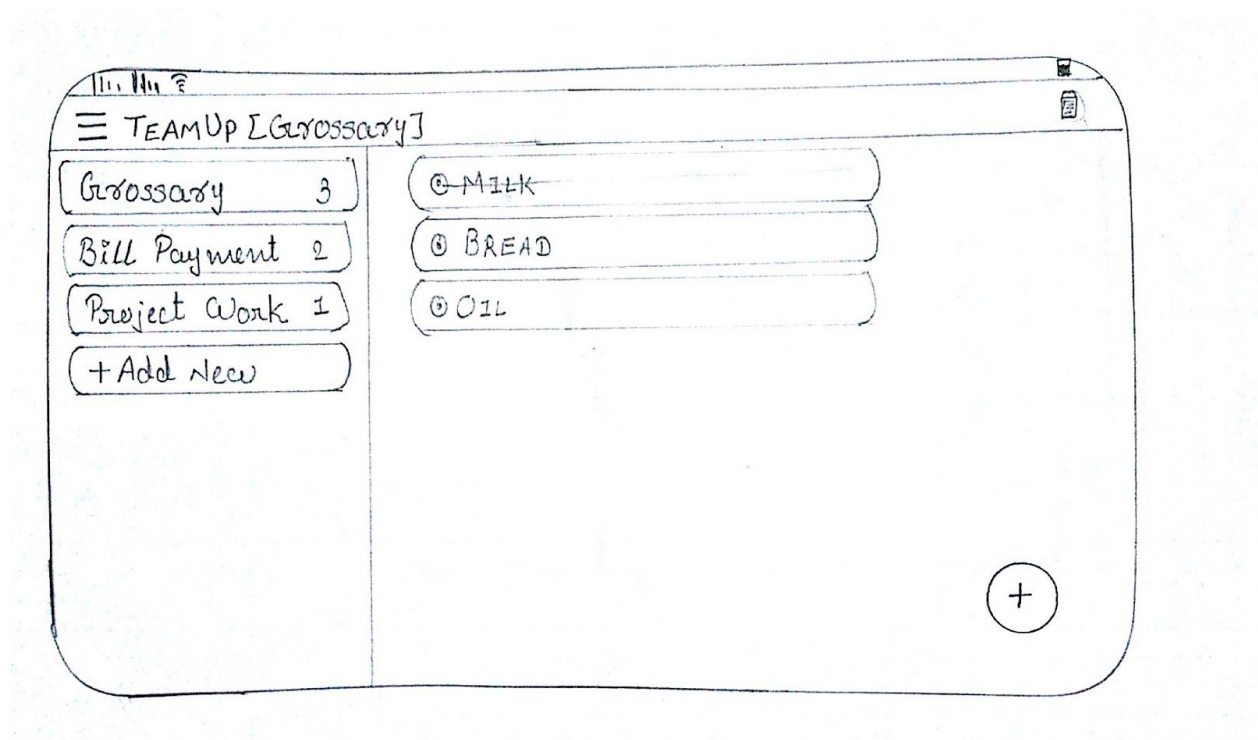
✓

Add a New Task, its details & their priority.

Screen - 4



Navigation Pane where you can sign in & create account.  
Screen - 5



Master Detail view .

Screen - 6



Layout for Widget that show Priority Task & All task which have dues today.

## Key Considerations

How will your app handle data persistence?

A new Content provider hold all pending task off line mode.

**Describe any corner cases in the UX.**

A Newly added Task in a database will notify all group user. On clicking on notification it will lead to pending task activity

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

compile 'com.bignerdranch.android:recyclerview-multiselect:+' - for Multi Select choice Modes & Contextual Action Modes.

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

Google firebase - To Maintain Database online and share on multiple devices.  
Google Mobile Ads. - In order to monetize the application.

## 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: Project Setup

Subtask

- Add required library to project
- Create App to get Necessary key to call REST API.
- Design Database

### Task 2: Implement UI for Each Activity and Fragment

Subtasks.

- Build UI for for Priority,Pending & Finished Task.
- Build UI for add new Task
- Built UI for Category of Task
- Built UI for Master/Detail Flow



- Built UI for widget

### Task 3: Database & UI Interaction

Subtasks.

- Implement Firebase Project to create a real time Database on cloud.
- Create Content Provider to access Database
- Link the content provider with UI with the help of loader

### Task 4: Create Service

Subtasks

- Create a service that check , if there is a change in a firebase cloud database
- If changes available on database then notify user & update database.

### Task 5: Your Next Task

Subtasks

- Implement Google Ads service in order to display ads.

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