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Description

Intended User

Features

User Interface Mocks

Screen 1

Screen 2

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: Project Setup

Task 2: Implement UI for Each Activity and Fragment

Task 3: Your Next Task

Task 4: Your Next Task

Task 5: Your Next Task

**GitHub Username:** Qenawi

Project name :tTasker

## Description

Help user (admin) to create team/project and assign tasks to each member of the team and monitor their progress and provide group chat for each team/project and in case of normal user as a member of team/project he can access each project/team he had joined and check his tasks and mark them as task completed when he carry out the task.

My app provide simple solution/fix to overcome the gap between the coach/leader and rest of the team

## Intended User

Students and instructors ,coach and team, manger and employer

## Features

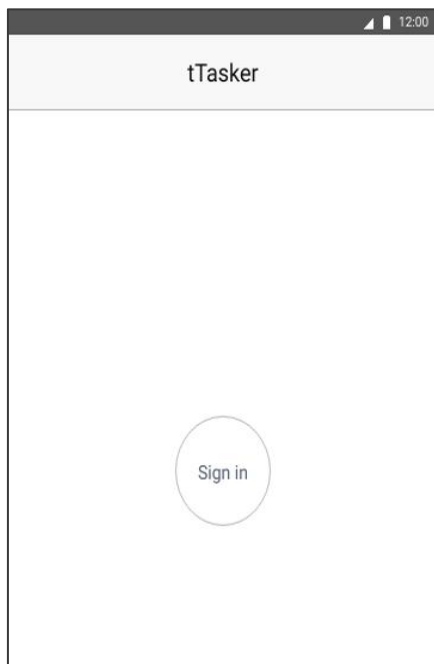
- Saves user tasks
- Create/delete project/team
- Team group chat

- Sync data in background even if the app is not running, so you can remain up to date with the latest messages and tasks
- Notification
- Widget shows each project tasks
- Add tasks to each member in project/team
- Add due dates to each task and
- each tasks has its reminder due to date
- Sign in with Google Account and restore and save your data and access it from any other device

## User Interface Mocks

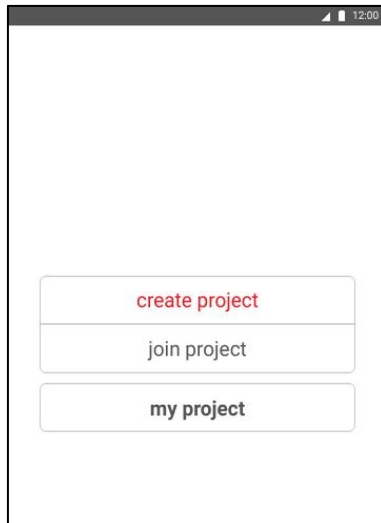
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, [www.ninjamock.com](http://www.ninjamock.com), Paper by 53, Photoshop or Balsamiq.

### Screen 1



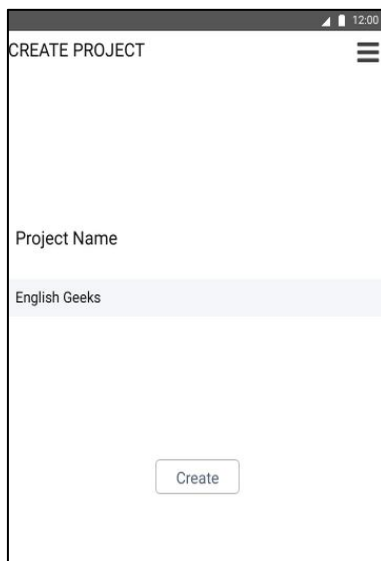
-sign in with google account and authenticate using fire base REST API

### Screen 2



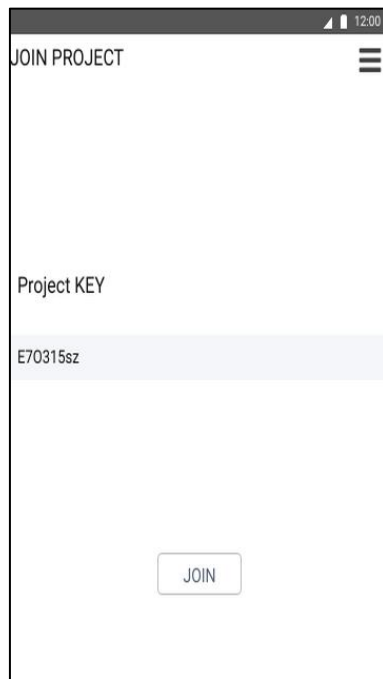
-main project functions create/join/view your projects

### Screen 3



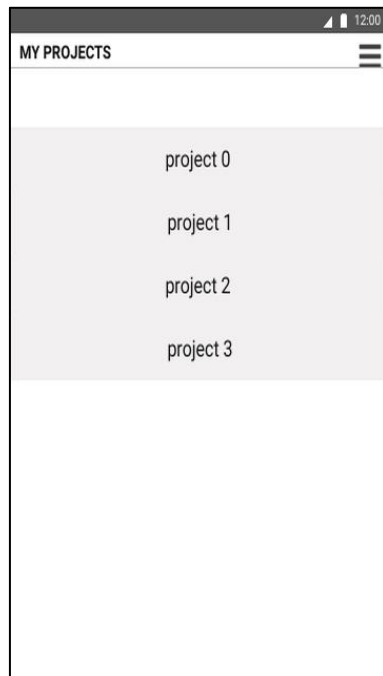
- create project with any name and each project will has a unique key will be generated automatically

### Screen 4



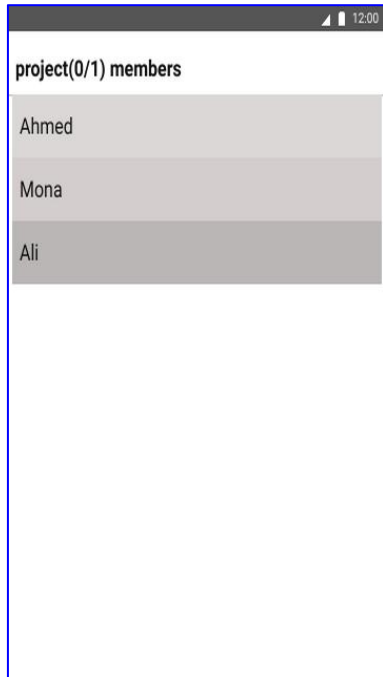
- join project using its unique key provided by group admin

## SCREEN 5



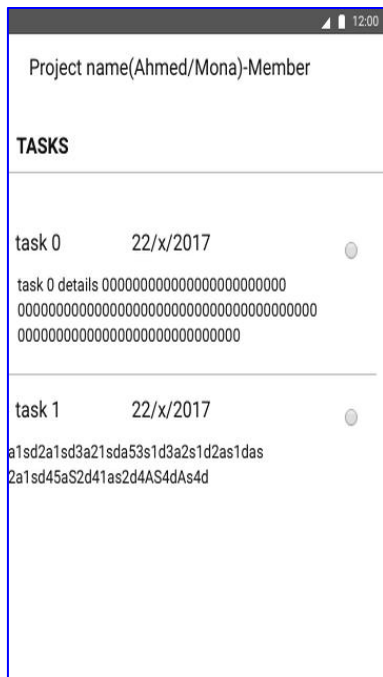
- screen indicates each project current user has joined

## SCREEN 6



-screen show each project/team members

## SCREEN 7



-view each member tasks and task state done or not

## Screen 8

ADD TASK

Title

CREATE DOMAIN

Description

CONNECT TO XYZ

asdasdas

asdasdas

dasdasda

sdasdasdas

dasdasdasd

DEAD LINE

SUN	MON	TUE	WED	THU	FRI	SAT
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20

-project admin can add tasks tasks to each member

## Screen 9

projectName

task 1

task details

task 2

task details

task 3

task details

prev project

next project

-app widget consist of list view show each project tasks

## Key Considerations

**How will your app handle data persistence?**

I will use firebase to store each project data and content provider to store user tasks locally

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

App start with sign in screen after a successful log in ,app show main screen(2) ,if user chose to view his projects app navigate to screen(5) ,when user chose project app navigate to screen(6) and if current user was admin he can add tasks to members.

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

Glide to handle the loading and caching of images.

Espresso to handle UI test

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

Describe which Services you will use and how.

firebase-auth service to handle sign in and account authentication

firebase-database to handle syncing data between app data locally and data stored on firebase storage

Firebase Crash Reporting to report crashes and abnormal behavior to my fire base account to fix it and avoid it in future app update

## 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

- Add fire base dependencies and json file
- Add glide dependencies to handle images
- Build up content provider to handle local data base set/get

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

- Build UI for MainActivity
- Build UI for sign activity
- Build UI for widget
- Build UI for tasks Fragment
- Build UI for add task Fragment

### **Task 3:prepare data types(classes)**

Create data types to hold data to make every thing easy and portable

- Create data type called task
- task has 3 inner data types task name,task state,task deadline
- Create data type called user
- User has 3 inner data types user name,user email,user image URL

### **Task 4: implement content provider**

- Create contract class
- Create database helper class
- Mange each uri and uri Matcher

### **Task 5: fetch data from fire base data base and firebase storage**

- Create connection using data base URL provide with json file
- Set up listeners and connect them with fire base-data base listeners
- When listener notify data has arrived add it to data item and use it

### **Task 6: adding data persistence**

Content provider will store tasks data locally in order to show data in widget ,also integrate sync adapter in the application to get the data in frequent interval

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