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GitHub Username: sahilandroid19

HabitTasker

Description

This app allows you to create daily or weekly habits and projects that you are currently doing so that they can divided into sub tasks and can be achieved easily.

This app will present user with main screen where they will see all their habits and projects they want to achieve and their current summary of that particular habit or project.

When user will click a habit or project a new screen will open presenting details about that habit or project using graphs and calendars and various other details will be provided.

Users will also be allowed to login using social media accounts or create accounts and using their accounts they will be able to see their friends success in their particular habits if that person has shared it publicly. This will help users to interact with their friends and will make app interesting.

Users will also be provided with motivational quotes and tips so that they can create habit easily.

There will also be general discussion section where users will be able to create new topics and comment on previously created topics.

I particularly found power of habits when i used a habit app and habits are the most powerful thing that can change someone's life and i observed that those habit apps were not that fun to use and not much motivational so i thought there should exist an app like that.

Intended User

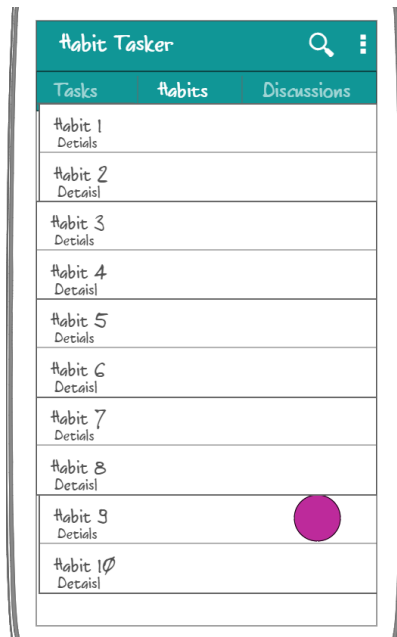It is for everyone who wants to improve his or her life :)

Features

- Allows the user to create new habits and tasks.
- Allows the user to track their habits or task with important details.
- Allows user to create accounts so that they can track their friends habits or tasks if they have shared publicly.
- Allows users to set reminders for their habits and pause habits and tasks.
- Presents users with tips to follow habits and motivational stuff.
- Presents a section for general discussion where users can create topics and comment.

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.
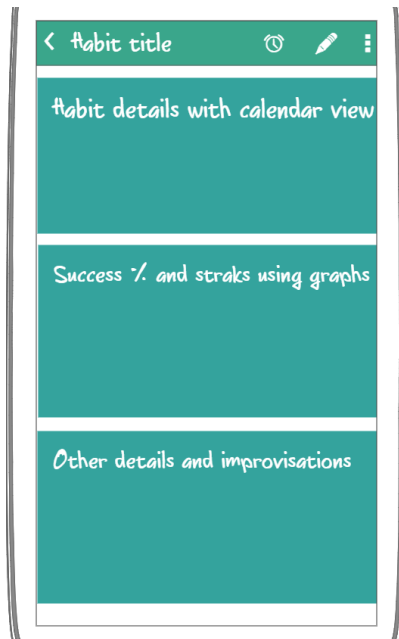
Screen 1

This is the main screen of my app. It consists of viewpager with three tabs Tasks, Habits and general discussions.

 The habits tab will allow users to create new habits and see summary of their current habits and with the search option users will be able to search their fB friends and will be able to see habits of their friends and their success if it is shared publicly by that user.

The tasks tab will allow users to create new tasks which they are currently in or which they want to complete and it will allow that task to be broken into sub-goals and their current progress in that particular task.

The Discussions tab will allow users to see various topics created by other users related to particular habit or problems they are facing implementing habits and signed users will be able to comment on those topics.

Screen 2

This mockup is basically overview of details screen of habits where habit details would be shown using calendar and its other details would be shown using graphs and assets.More improvisations will be done as i progress through this project.

In case of Discussions tab when user clicks a discussion the topic and its various comments would be shown where user would be able to comment their opinions.

In case of Tasks tab when user clicks a task its various sub tasks would be shown with improvisations and graphics like a jar or something that would represent their current progress in that particular task.

Key Considerations

How will your app handle data persistence?

App will use SQLite Database to store data using content provider in which user's habits and tasks and their current progress will be stored.
The topics created for general discussions will also be saved in separate table using content provider so that users don't have to use net connectivity to see other's topics and its particular details.

Describe any corner cases in the UX.

The app will implement view pager with collapsing toolbar on main screen and will switch between fragments to do so.After clicking the app will launch its details screen which will also be implemented using fragments so that it is different for each tab and will implement material design and recyclerview and cards.

For larger screens app will implement viewpager and details on one screen so that all white space is efficiently used.

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

Picasso = Image loading for motivational quotes from api
Retrofit = for rest and json(to get images from quotes api)
Facebook library = for fb sign in and user authentication

Describe how you will implement Google Play Services.

Google analytics = It will be used to analyze how user is interacting with app so that in future releases app's user experience can be improved.

Google identity = It will be used to create sign in options for users using gmail, google+ etc so that they can comment on other posts share their views.

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

- Configure libraries
- Deciding app's minimum sdk version so that maximum users are included with best possible features

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Login Activity
- Build UI for Main Activity using viewpager and recyclerview
- Including various menu icons for main screen and implementing their functionality
- Build UI for Detail Activity using cards

Task 3: Building SQLite database and content provider

- Decide database design for tasks, habits and discussions and implement it
- Create content provider to pass data b/w UI and backend
- Create Loaders to load data to main screen

Task 4: Implementing features of detail screen

- Including various menu icons for details screen and implementing their functionality
- Loading data from loaders to detail screen
- Including graphs and calendar libraries to implement cards

Task 5: Implement Settings Activity and retrofit

- Creating layout for settings activity
- Using retrofit to get motivational quotes from api

Task 6: Implement Google play services

- Implementing Google analytics service.
- Implementing Google identity service for login activity

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