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Reset Habits

Description

The most effective way to improve your life by taking small, achievable steps every single day. If you want to run a marathon, quit smoking cigarettes, practice gratitude for peace of mind, lose weight, or write the book you always dream of doing someday, the day is today! Reset Habits manages your personal routine so you can feel motivated and make progress towards your goals without the stress of a big up-front plan that seems impossible.

Intended User

The intended user is someone who wants to change their habits by tracking small steps towards their goals. This could be students that are trying to improve their study routines, businesspeople who want to get the edge by being consistent with their mornings, or people who want to make a change in their health. As long as a user is trying to accomplish a large goal that requires consistent effort, this app is for them.

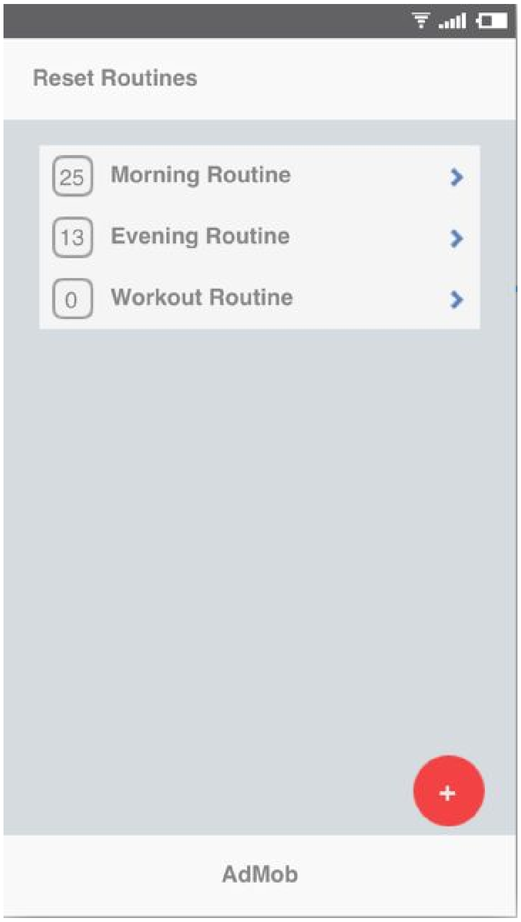
Features

Users of Reset Habits can:

- Make a list of daily routines
- Make a list of actions in each routine
- Set a time to notify routine start time
- Check off routine tasks as they complete them
- View number of successful days in a row
    - On main activity
    - On homescreen widget

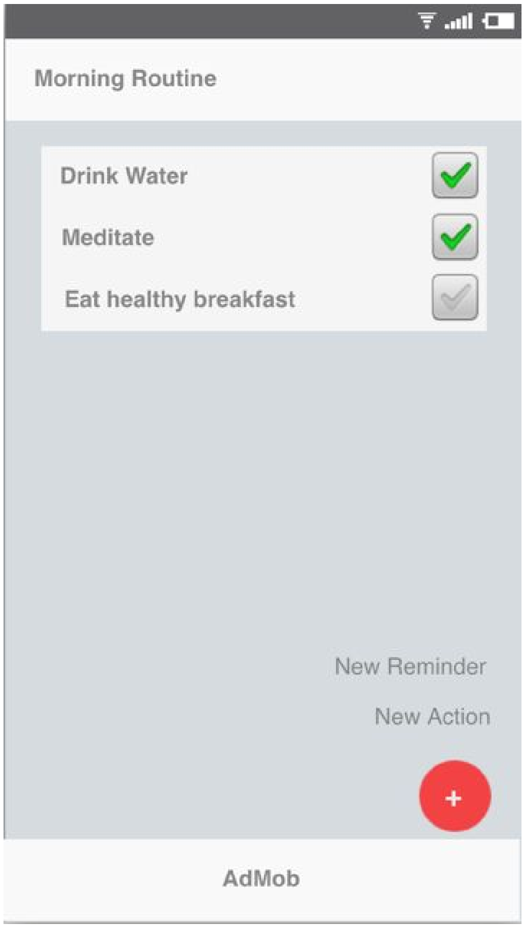
User Interface Mocks

Screen 1



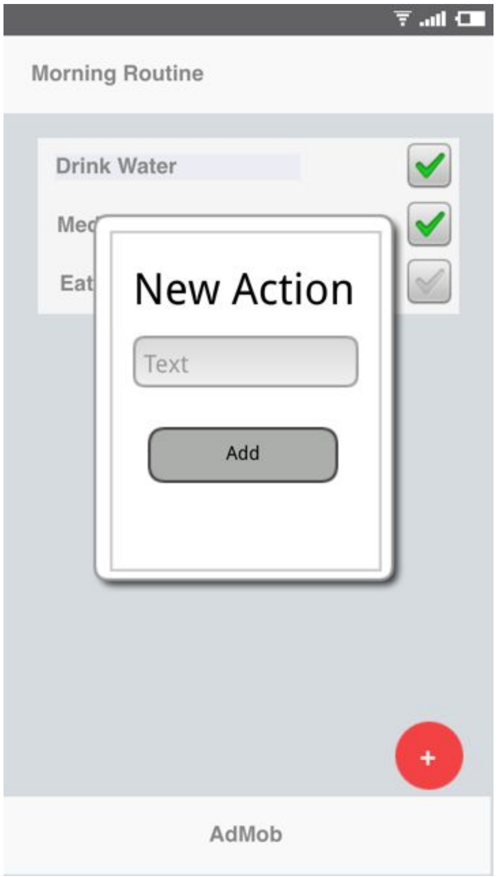
This is the home screen where users can view their list of routines, add new lists of routines, and view how many days they have successfully completed their routines. The FAB action is to add a new routine list.

Screen 2



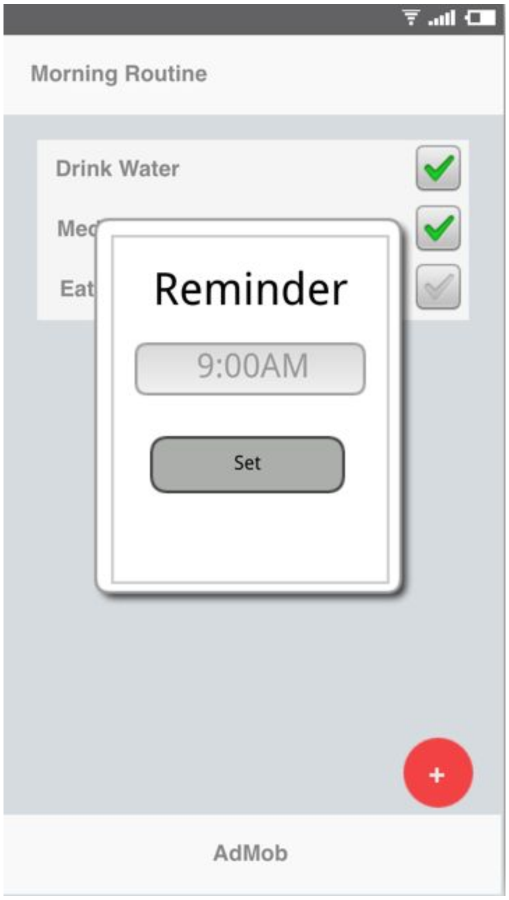
This is the routine detail screen where users can view upcoming routine actions, check off comleted actions, add new actions, and add a reminder for a time to start this routine. Users will also be able to reorder and delete routine actions. The FAB allows addition of reminders and actions.

Screen 3



This is the modal dialog that allows users to quickly add an action.

Screen 4



This is the modal dialog that allows users to quickly set a reminder time to get notified when it is time to begin the routine they designed.

Key Considerations

How will your app handle data persistence?

My app will have its own content provider and database to persist user data. I may also post data to a REST API.

Describe any corner cases in the UX.

I don’t yet have a solid strategy for reordering and removing routine action items, but I have a few ideas I want to experiment with to find the best UX.

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

I will be using Picasso to load/cache images, and either OkHttp or Retrofit (and maybe Moshi) to send JSON to a server.

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

Subtasks:

- Initialize Git repo
- Update Android SDK
- Configure third-party libraries
- Configure Google Play Services
- Build and deploy apk to device to verify

Task 2: Implement UI for Each Activity and Fragment

Subtasks:

- Build UI for MainActivity
- Build UI for RoutineListFragment
- Build UI for RoutineDetailFragment
- Build UI for dialog boxes
- Design consistent app theme

Task 3: Implement Backend

Subtasks:

- Create database helper and define columns
- Build content provider for routines
- Create RecyclerView/Loader and hook into UI
- Set up AdMob and Analytics

Task 4: Implement User Notifications

Subtasks:

- Create intent service to handle notification events
- Configure AlarmManager to send notification intent when reminder is added
- Add pending intent to open app when notification pressed

Task 5: Implement Widget

Subtasks:

- Build widget layout
- Create AppWidgetProvider and update widget daily

Task 6: Implement Build Configuration

Subtasks:

- Configure release profile
- Add signing configuration
- Test builds and deploys

Task 7: Implement Sync with Server (if within timeline)

Subtasks:

- Build REST endpoints to store data
- Implement Identity service
- Create SyncAdapter to sync with server