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GitHub Username: saneh

FitNote

Description

An easy to use fitness note taking app, in which users can save and share their work-out progress. Current fitness notetaking apps are text heavy, with too much jargons and are not easy to use . This app focuses on making the task of tracking workout progress easy, fun and

shareable. As per a study ,no visible change in physique and weight , is the major reason for gym dropouts. A good workout tracking app , is set to change that.

Intended User

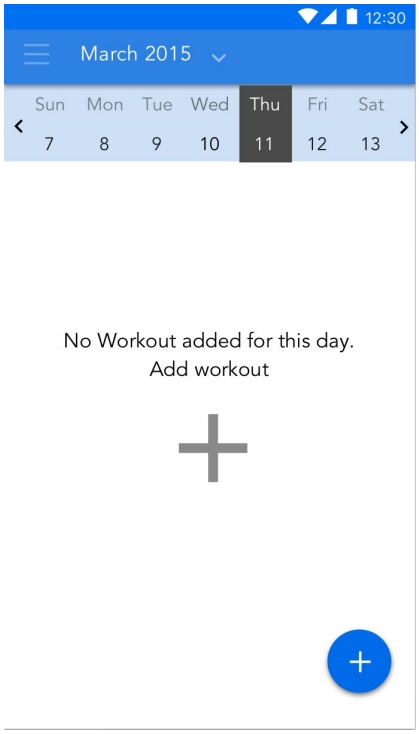
Gym members or Anyone who wants to keep track of his/her daily workouts.

Features

- Saves Information
- Daily workout tracker
- Youtube search enabled for related exercise videos

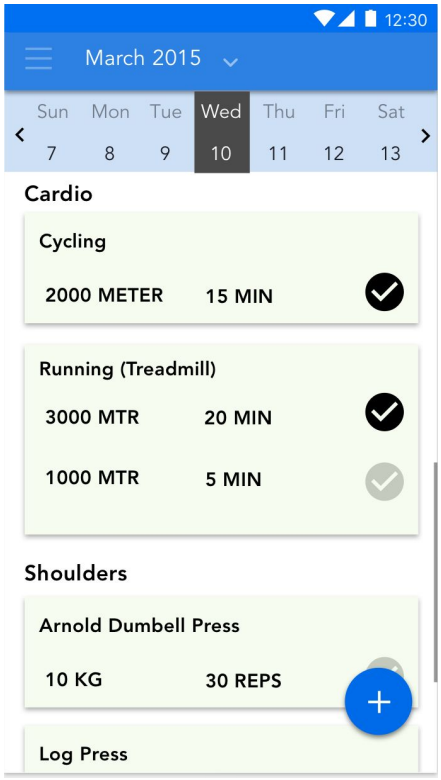
User Interface Mocks

Screen 1



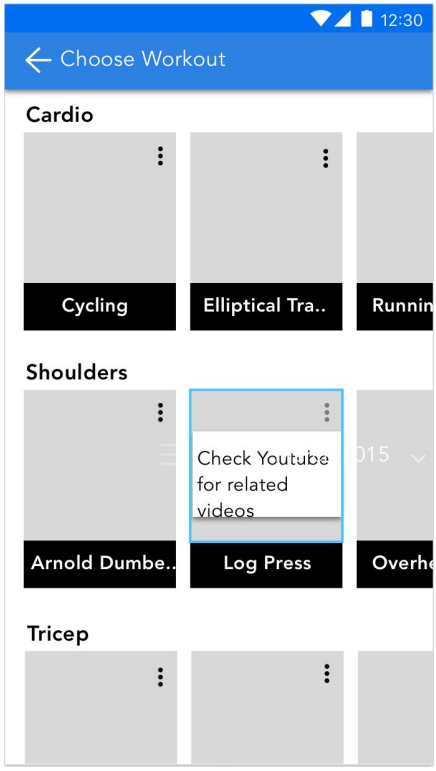
This is the home screen, when no workout is added for the selected date. Clicking on the “+” or FAB takes user to the ‘Add workout screen’

Screen 2



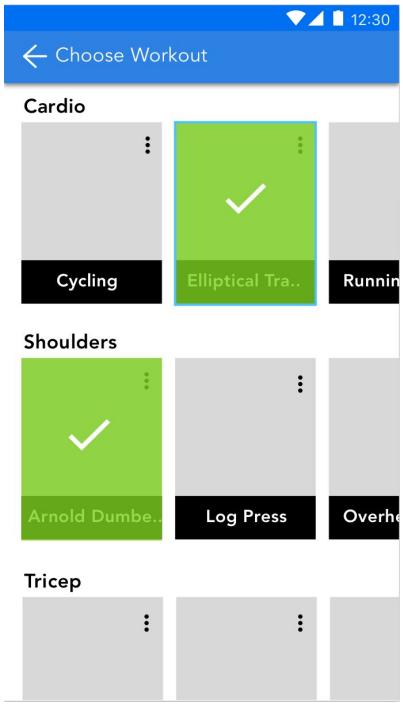
Screen displaying added workout details for a particular day. For current day, user can click on the ‘check circle’ to mark a exercise as complete. Clicking on FAB takes to ‘Add workout screen for future date’. User can view past workouts by selecting any day of the month.

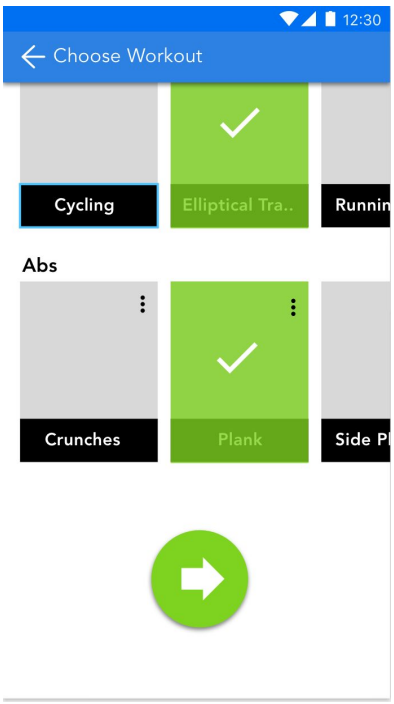
Screen 3



This is “Choose Workout” screen. Different workouts categories like Cardio, Shoulders etc are arranged in a vertical linear layout. Each category displays a list of exercises in a horizontal scrollable linearlayout. Images are used along with title for exercises in each category. (Horizontal linear layout)
Clicking on ‘More symbol (three dots)’ opens youtube app (if installed) with predefined search query. If app is not installed it opens ‘youtube’ in browser

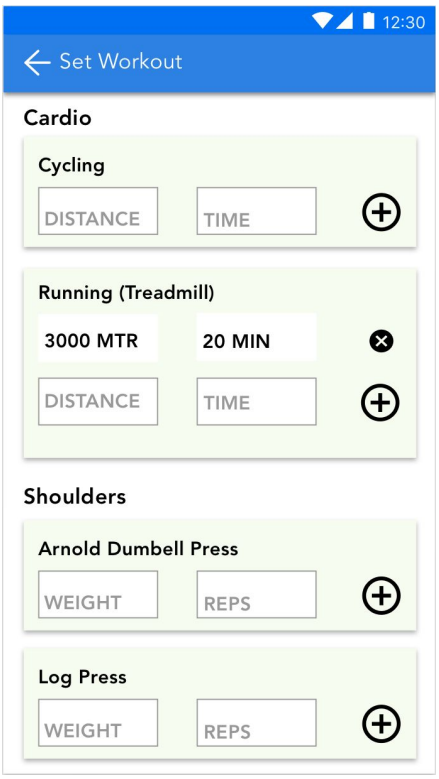
Screen 4

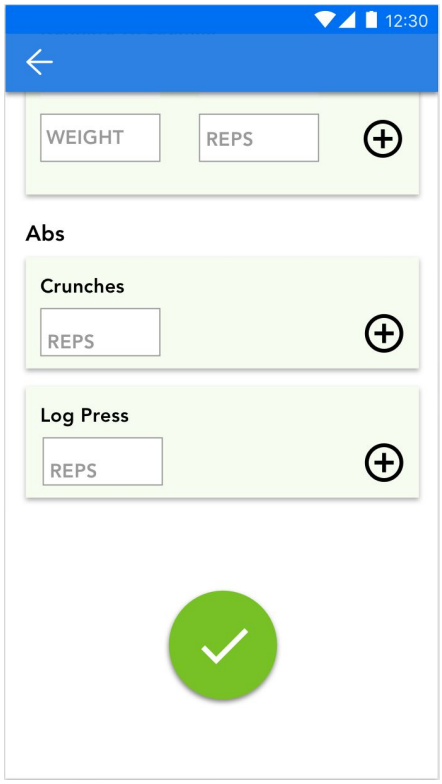




This is Screen 3 with exercises selected. Clicking on any exercise selects that exercise as part of the workout. Finally clicking on “forward arrow” button take user to next screen, where user can set workout.

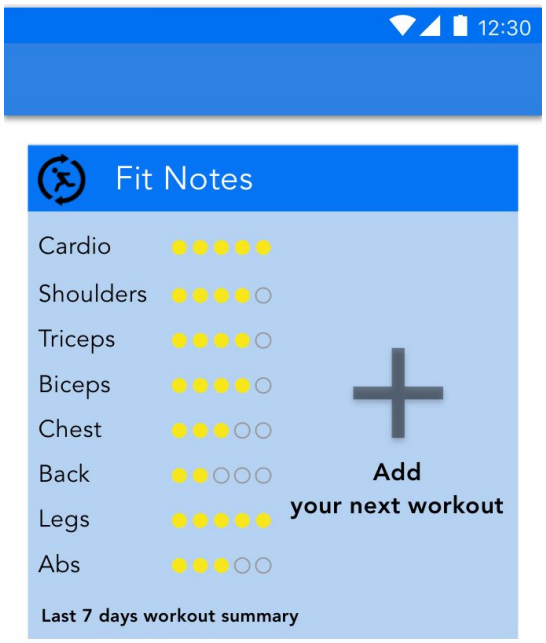
Screen 5





In this, user can set workouts for selected exercises in screen 4. This is a listview, with each exercise displayed in cardview format. User can add as many repetition of each exercise by clicking on '+' in each exercise. Clicking on cross, removes that record. Content of each card depends on the type of exercise.
Finally clicking on 'check button' submits this workout for the selected day and returns user to Screen 2

App widget:



App widget displays last 7 days workout summary. Ratings are given to each exercise category depending on frequency, kind of exercises completed. Also there '+' button which takes user directly to the add workout screen for current or future day.

Key Considerations

How will your app handle data persistence?

A new content provider is required for storing and updating workout data. (will use sqlite db for this)

Describe any corner cases in the UX.

- Horizontal calendar feature on the home screen. Will use a recyler view to implement this.

- In ‘Set Workout’ screen contents of view change according to the type of workout, E.g. in Cycling there’s ‘TIME’ and “DISTANCE” and in dumbbell there’s ‘WEIGHTs and REPs’. Need to categorize workout and then set view accordingly.

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

Picasso for loading images.

Describe how you will implement Google Play Services.

Google Admob : There will be two versions of this app , paid and free. Test Banner ads on home screen and interstitial ads on clicking the final submit button (in set workout screen) will be displayed in free version. Paid version is ad-free.
Google Analytics : Tracking user usage of “Set workout” feature (Screen 5) and on home screen (Screen 1)

Next Steps: Required Tasks

Task 1: Project Setup

Permissions: Internet, Wake Lock, Access Wifi state
Dependencies : CardView,RecyclerView, Picasso

Task 2: Implement UI for Each Activity and Fragment

- Build MainActivity (Home screen UI)
- Build ‘AddWorkoutActivity’ and ‘AddWorkoutFragment’ UI
- Build ‘SetWorkoutActivity’ and ‘SetWorkoutFragment’UI
- Build different layouts for different orientations(portrait and landscape)
- Build a tablet version for all screens.

Task 3: Database implementation

- Create sqlite database
- Content provider

Task 4 : Load and Display data

Load data fetched from content provider using Loader Manager and display in CardView item of RecyclerView. This is done for Screen 2 (Home screen UI)

Task 5 : Youtube search videos (AsyncTask)

In ‘Add workout’ screen , clicking on more (three dots), opens a menu with “Search related videos on Youtube” as menu item. Clicking on this menu item shows related videos on youtube in a separate activity. Implement youtube search using an AsyncTask and obtain related video id’s sorted by popularity.

Task 6: Google play services implementation

Implement google play services:

- Add admob. Horizontal banner ads and interstitial ads in free version. No ads in paid version.
- Add google analytics.

Task 7: Build version implementation

Implement different build versions (Free and paid)

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