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GetFit

Description

Want to get fit? GetFit provides great fitness advice and helps you get started.Watch exercises,track your daily physical activity level, Find nearby gyms and lot more in just one app.

Intended User

Everyone who wants to get started on fitness journey.

Features

- Google maps
- Records your daily step counts and notify you.
- Watch youtube video.

User Interface Mocks

Screen 1

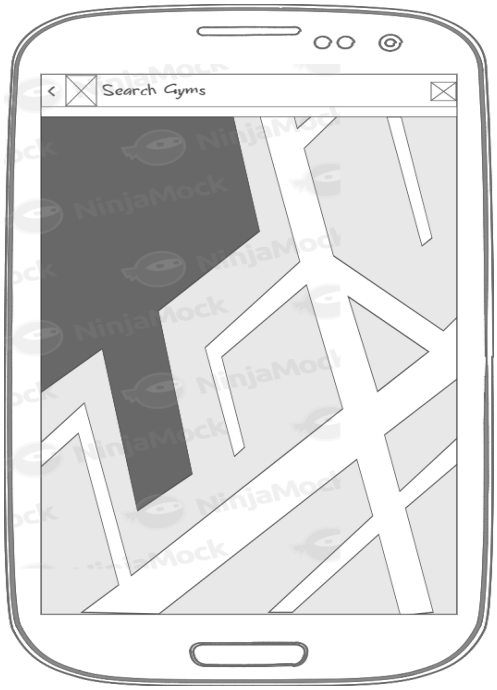
HomeScreen for the app.User can login using facebook or google or access without any signing in.

Screen 2

Second screen showing four feature that an app can be used for.

1. Search gym- let user search gyms or nearby fitness centers by entering the place.
2. Track progress-using google fit api record the calories burnt and other details to show the progress of user.
3. Get Macros- get your daily intake of protein,carbohydrates and fats as per your goal.
4. Watch exercise-watch exercise according to your goal.Youtube api used.

Screen 3 (Search Gym)

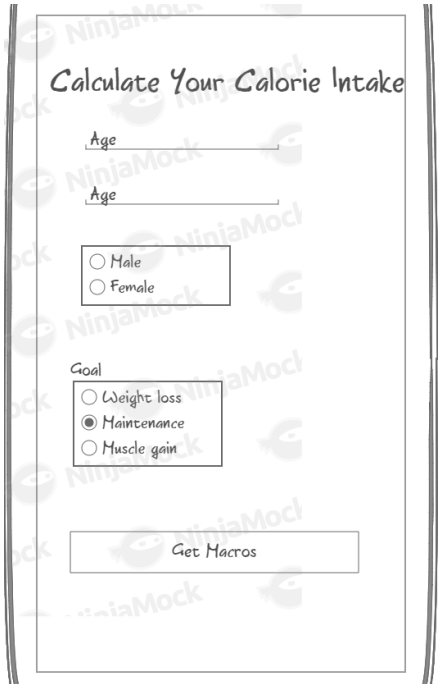


Search Gym Screen- Lets user search and find nearby gyms.user can check rating and other details by clicking the marker on the map on screen.They can save a particular gym's detail.Details are shown by a dialog.

Screen 3(Track progress)

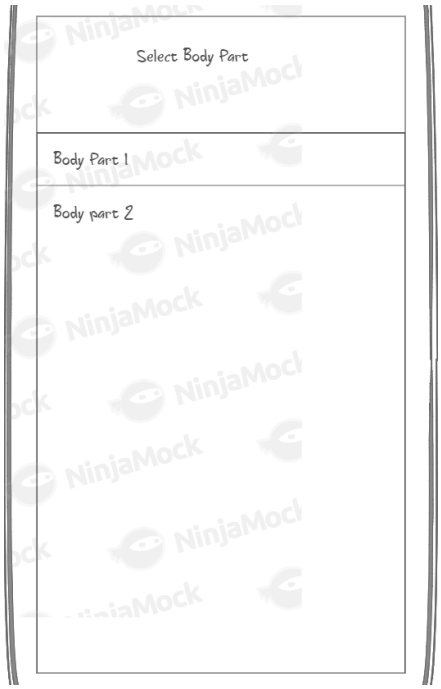
Track Progress screen- user can enter the their calories to be burnt. Their progress is recorded and they will be notified at the end of the day.They will be notified if they met their goal or not.They can monitor their progress any time in the day.

Screen 3(Get Macros)



Get Macros Screen- User enter their details (eg: weight,height,etc) and get the amount of protein , carbohydrates and fats that they can take.They can also find some information about food and dieting tips.

Screen 3(Watch exercise)



Watch Exercise Activity-Let user watch exercises of a particular body part.Video will be played using youtube api.

Home Screen (App-widget)

Home screen app widget that lets user see their progress without actually going inside the application.

Key Considerations

How will your app handle data persistence?

App will be using content provider for saving and quering data for saved gyms.It may use an asset json file to access the details of food that they can take.
App uses cursorloader class to get the locally saved gyms.
App uses firebase job dispatcher for creating notification at 10 (P.M) each day.

Describe any edge or corner cases in the UX.

1. Once user signs in ,They will be directly taken to the second screen.

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

1.Volley library for network requests.
2.Picasso library for image loading.
3. Dali for image blur.
4. Design appcompat library for new design and UI features

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

1. Google places api: to search for nearby gyms.
2. Google maps api:to display map.
3. Firebase: for signing in.
4. Youtube api: for playing video of exercises.
5. Google fit api: to access user's fitness data.

Required Tasks

Task 1: Project Setup

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You may want to list the subtasks. For example:

1. Configure Google api console for directions and map api.Add the project in console.
2. Configure google fit api.Add the project and configure.
3. Setup firebase project.
4. Setup youtube api.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

1. Build UI for HomeActivity
2. Setup login facebook and google.
3. Build UI for TaskActivity (Screen 2)
4. Build UI each for WatchExerciseActivity, SearchGymActivity, GetMacrosActivity, TrackProgressActivity.
5. Link each activity through intent.
6. Using google api for map and places for java file of SearchGymActivity.
7. Set up content provider to save and query for data related saved gyms.

8. implement google fit api and java code for it.
9. Create service to asynchronously record data for user's activity.
10. Use job firebase jobdispatcher to create notification of above.
11. Create macros Activity java file.
12. Use food.json file from assets to get the food tips for user.
13. Create App widget that shows users their progress.
14. Setup separate UI for tablet and mobile devices to watch video.
