GitHub Username: NecoHorne

Body Planner

Description

Exercise planner app.

- Create your own exercise plan from a database of exercises.
- Plan what body parts you are going to hit what day and what exercises, sets and reps you are going to do.
- Body calculator
- Body measurement and tracking to track your progress

Intended User

People who go to the gym, people who want to plan their workouts and track their progress.

Features

- Plan your workout for each day from a database of exercises.
- Exercise database to provide instructions
- Track your progress weekly or monthly

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, Paper by 53, Photoshop or Balsamiq.

Screen 1

Screen 2

Screen 3

Day 1

Exercise	Sets	Reps
text	text	text
text	text	text
		ADD
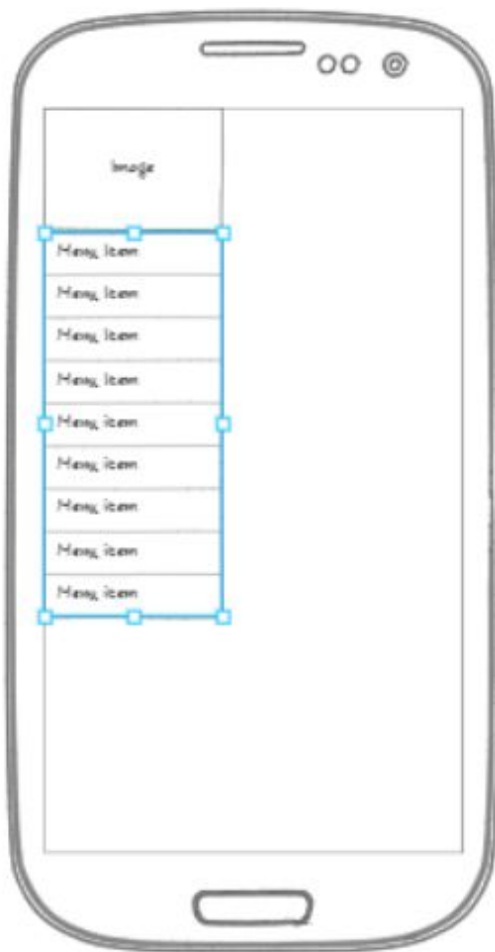
Screen 4

Choose Muscle types

Abs	●
Biceps	●
Triceps	○
Quads	○
Traps	○
Lats	○
Neck	○
Shoulders	○
Upper Back	●

Cancel	OK

Screen 5
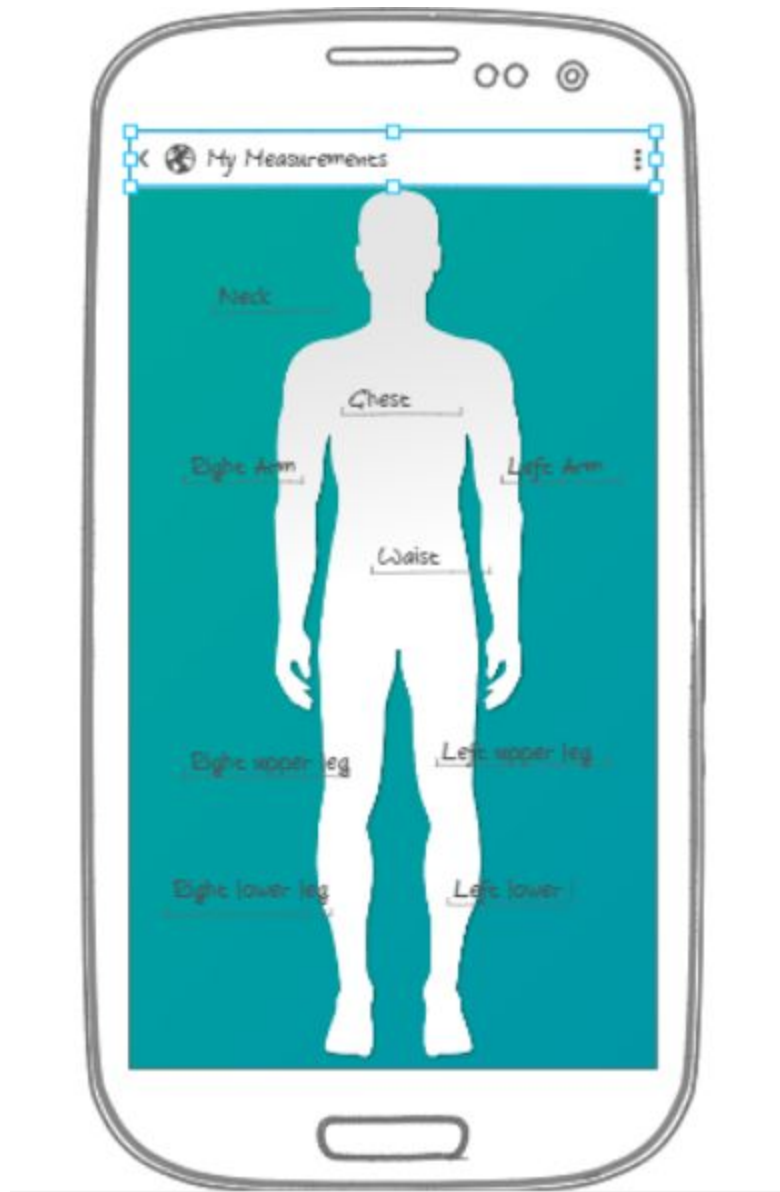
Key Considerations

How will your app handle data persistence?

- Room DB on the device itself for weekly exercise planning and body measurements.
- SQLite database of exercises to be shipped with app.

Describe any edge or corner cases in the UX.

- Maybe utilise some calendar view for the exercise planning.
- Navigation drawer for the main navigation of the app.

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

- Picasso to handle picture loading.
- Room to handle on device data
- SQLite to handle app DB.
- Jsoup to parse html crawler/scraped data in the creation of main exercise database.

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

- Firebase Crashlytics with Fabric for crash and error reporting.
- Possible usage of Firebase Cloud Storage for image assets in order not to have app too large with image assets.

Next Steps: Required Tasks

Task 1: Project Setup

Initial Database setup
- Get Data from the web.
- Create Parsing program to parse through scraped web data.
- Save all parsed data to a SQLite database to be added to android app.

Create android studio project for the app.
- Configure libraries and dependencies
- Write models and utilities classes to get data from database
- Write Calculator class that would handle body calculations.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:
- Build UI for MainActivity that contains navigation drawer and possibly a calendar type view.

- Build UI for Detail day view.
- Build UI for Detail exercise view.
- Build UI for Add exercise view
- Build UI for adding body measurements
- Build UI for tracking body transformation

Task 3: Create Image Assets

- Create image assets and vectors
- Fine tune app style and colors

Task 4: Testing

- Add Firebase Crashlytics to app.
- Test App UI and functionality to ensure everything is working

Task 5: Deployment

- Create a signed APK
- Deploy to google play
- Check user feedback and improve app