TECH TRANSFER
UNIVERSITY OF MICHIGAN

Audiovate

Digital Discovery Workbook

Sept 10th, 2018

TECH TRANSFER
UNIVERSITY OF MICHIGAN

Table of Contents

Value Proposition 4

Use Case Definition 5

User Comps 7

Low-Fi Prototype Version 1 8

Low-Fi Prototype Version 2 15

Interactive Comps 17

TECH TRANSFER
UNIVERSITY OF MICHIGAN

Value Proposition

[Insert Here]

TECH TRANSFER
UNIVERSITY OF MICHIGAN

Use Case Definition

Use case definition contains requirements for the Audiovate web application.

TECH TRANSFER
UNIVERSITY OF MICHIGAN

Use Case Definition

Project: Audiovate – Use Cases
Date: June 19, 2018
Owners: April Kwon, Sarah Jomaa

Goal:

As a casual runner, I want to be able to maintain and improve my fitness goals in a non-intrusive way.

Researcher Use Cases:

1. As a runner, I want to set my goal in the app before the exercise based on different criteria, such as time, distance, or pace so I can document it and personalize the setting according to the goal.
2. As a runner, I want to save the default setting of my audio feedback and retrieve the setting for the next session so I do not need to setup again.
3. As a runner, I want to sync the application with my playlists on the music streaming services of my choice so I can play my favorite songs without downloading and importing the music files or needing to search for the songs again in other libraries.
4. As a runner, I want the app setting to be automatically adjusted based on terrain settings so I can be free from manually adjusting the music based on the environment in long distance or geographically varied running.
5. A*s a runner, for pace consistency training, I want some gamification features, such as the volume or the pitch changing, in the application so I can be more effectively motivated whilst running.*
6. As a runner, I want the app to give me new song recommendations by situation, speed, or genre so I do not get bored with repeating songs.
7. As a runner, I want to be able to pause for a short break or while waiting at traffic lights easily during workouts with a simple button so the application does not perceive it as discontinuation.
8. As a runner, I want to get recommendations for incremented goals based on my performance so I can set improved goals based on an attainable pace tailored to me.
9. As a runner, I want to track my performance in my exercise history so I can review my performance over time for future motivation and progress tracking.
10. As a runner, I want to share my performance with friends, family, and followers via social media platforms so I can share progress and get encouragement and motivation on workouts.

TECH TRANSFER
UNIVERSITY OF MICHIGAN

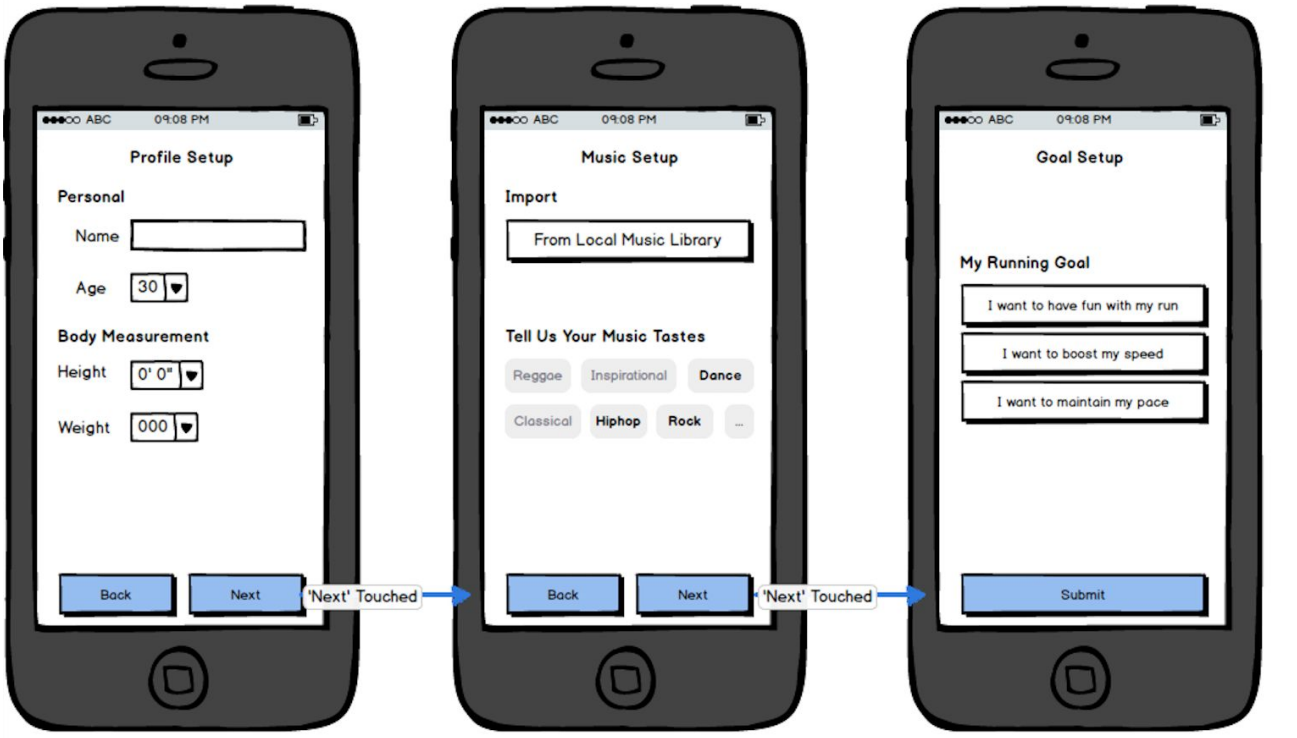
User Comps

User Comps are provided to allow an inventor the opportunity to review the navigation of the website's flow.

Low-Fi Prototype Version 1

Standalone

1. Onboarding

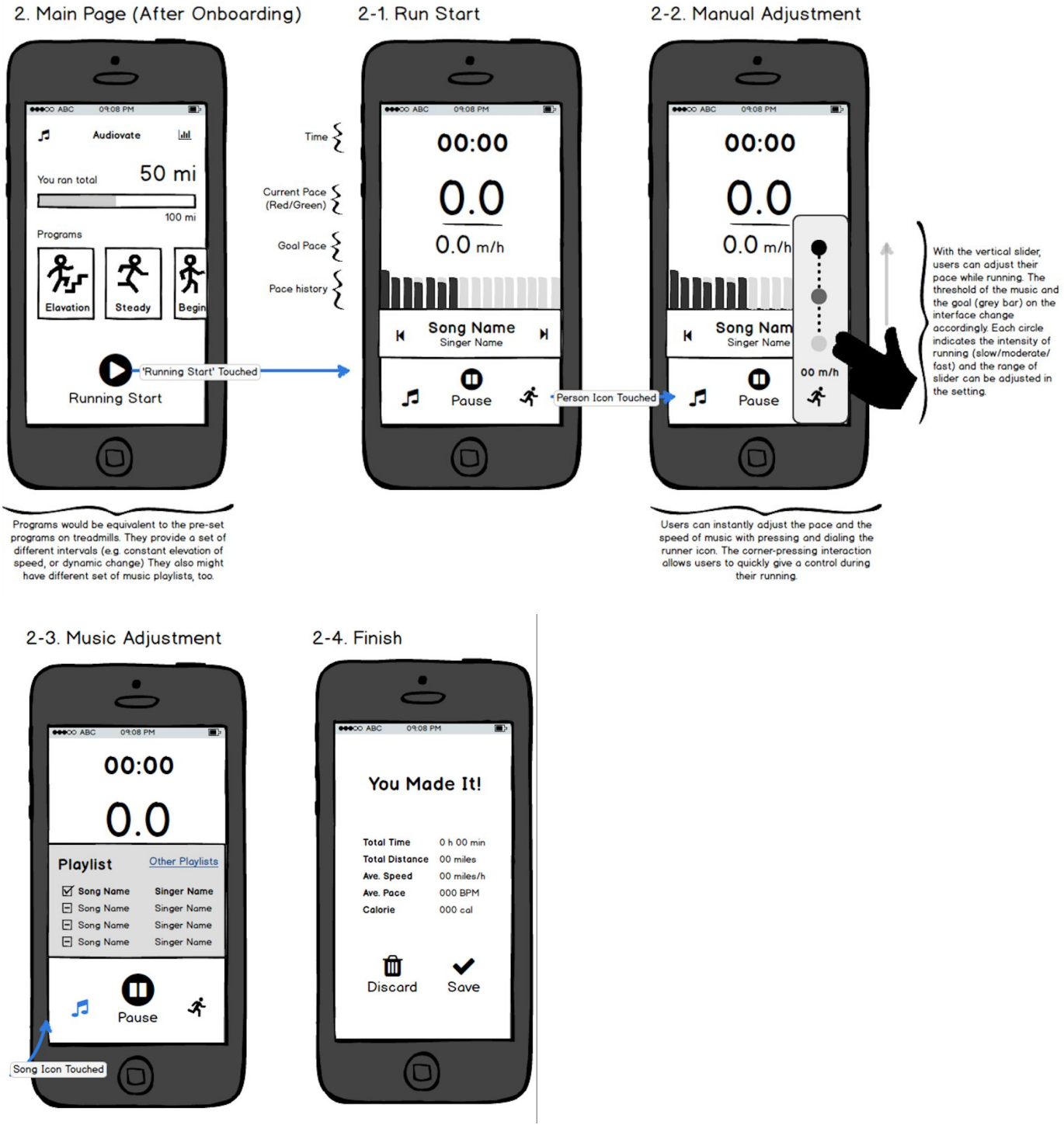


The reason of making descriptive options of user goals is to make them more easy-to-understand for users.

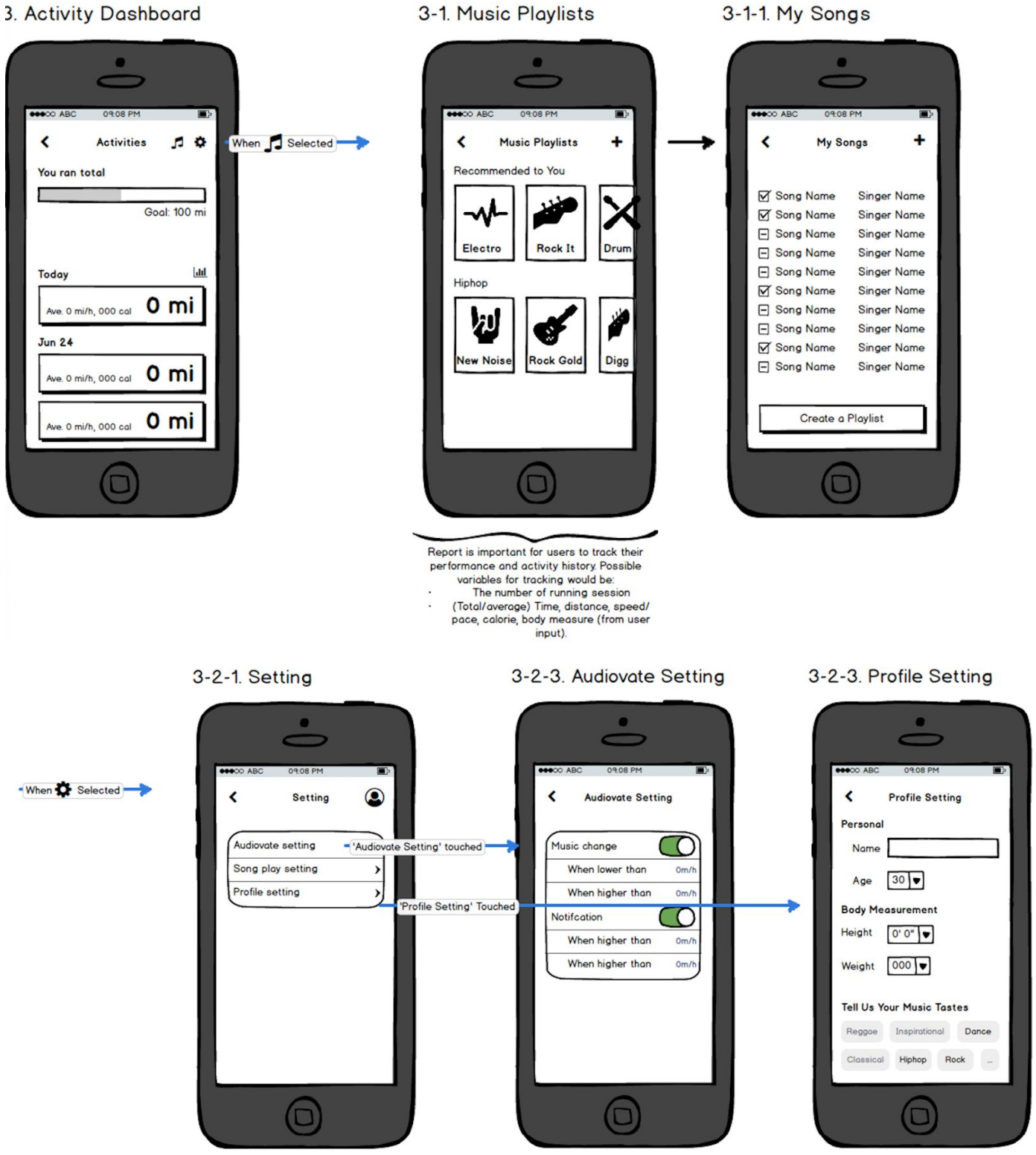
In this case, user groups based on the goals will be applied into different levels of running proficiency (beginner, intermediate, expert) or more specific goals of exercise (losing weight, having fun, preparing for a race)

References: Lifesum (mobile app)

2. Running

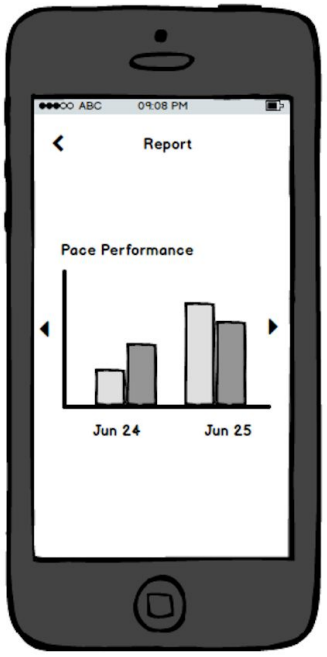

2. Main Page (After Onboarding)
2-1. Run Start
2-2. Manual Adjustment
Audiovate
You ran total
50 mi
100 mi
Programs
Elavation
Steady
Begin
'Running Start' Touched
Running Start
Time
Current Pace (Red/Green)
Goal Pace
Pace history
00:00
0.0
0.0 m/h
Song Name
Singer Name
Pause
Person Icon Touched
00 m/h
With the vertical slider, users can adjust their pace while running. The threshold of the music and the goal (grey bar) on the interface change accordingly. Each circle indicates the intensity of running (slow/moderate/fast) and the range of slider can be adjusted in the setting.
Programs would be equivalent to the pre-set programs on treadmills. They provide a set of different intervals (e.g. constant elevation of speed, or dynamic change) They also might have different set of music playlists, too.
Users can instantly adjust the pace and the speed of music with pressing and dialing the runner icon. The corner-pressing interaction allows users to quickly give a control during their running.
2-3. Music Adjustment
2-4. Finish
Playlist
Other Playlists
Song Name
Singer Name
Song Icon Touched
You Made It!
Total Time
0 h 00 min
Total Distance
00 miles
Ave. Speed
00 miles/h
Ave. Pace
000 BPM
Calorie
000 cal
Discard
Save

3. Personal Analytics & Settings



3-3. Performance Report

When Selected

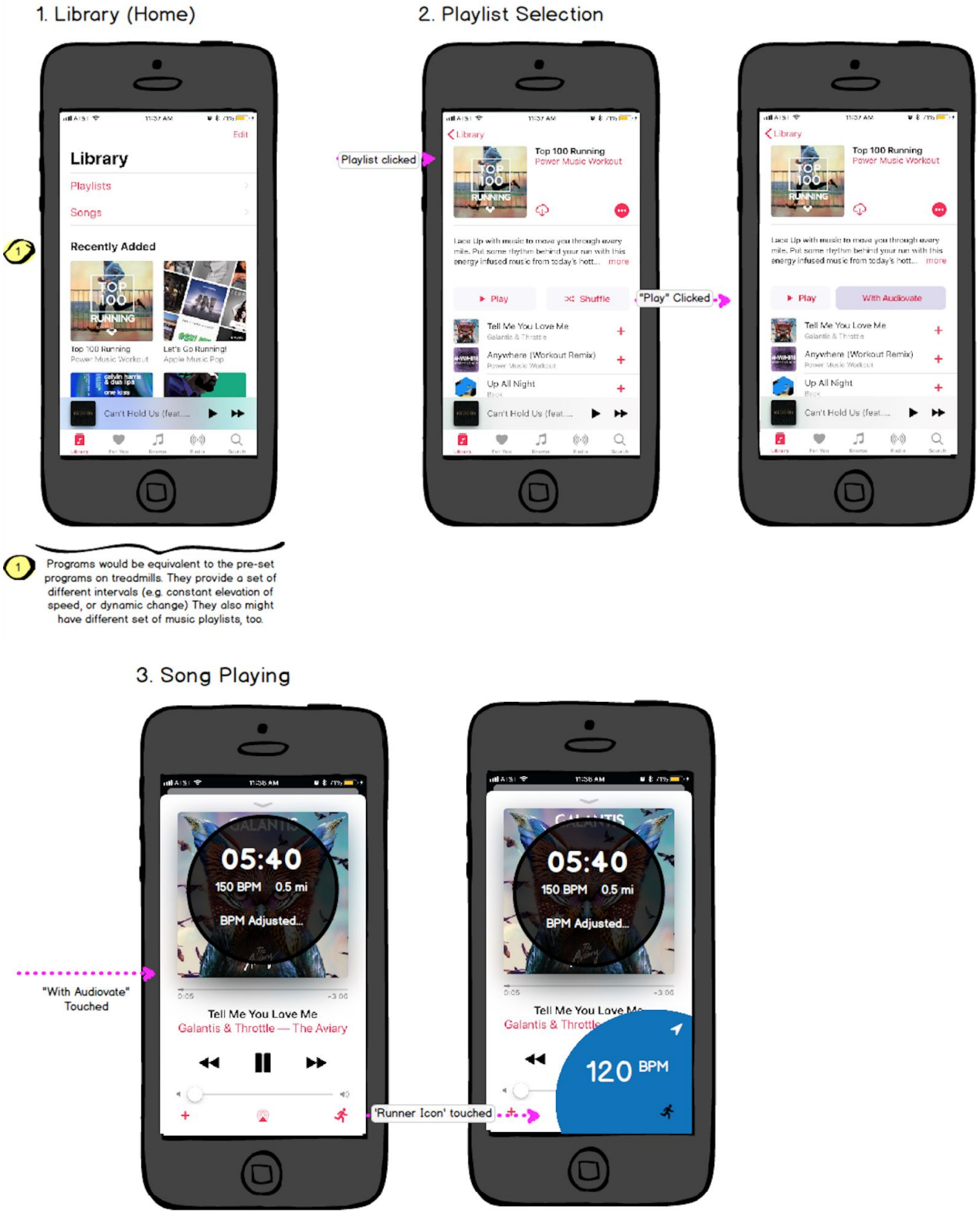


Report is important for users to track their performance and activity history. Possible variables for tracking would be:

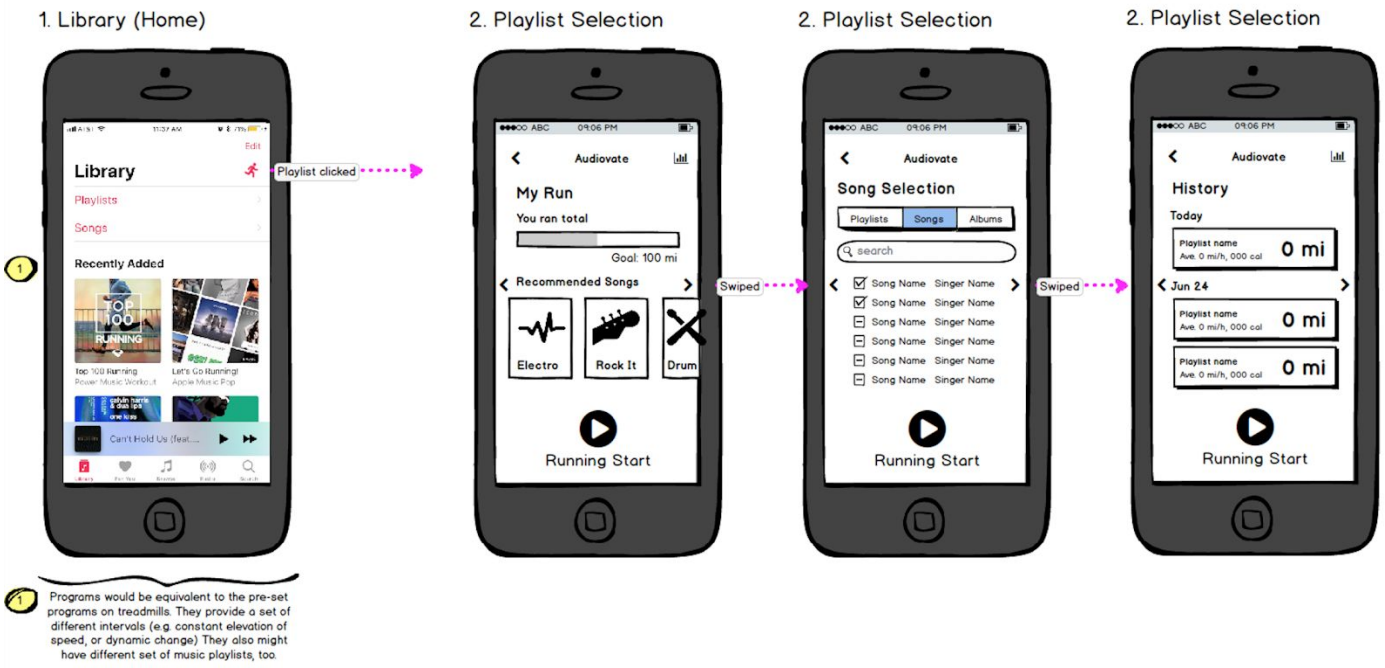
- The number of running session
- (Total/average) Time, distance, speed/ pace, calorie, body measure (from user input).

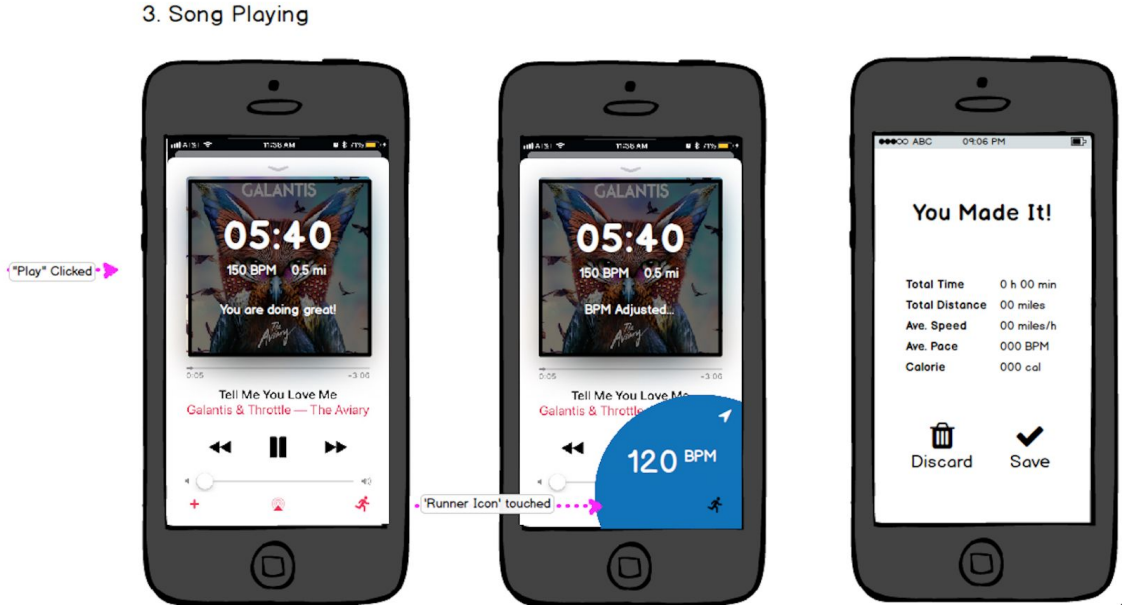
Music App Integration

1. Full-Integration



2. Semi-Integration (Audiovate module within the app)

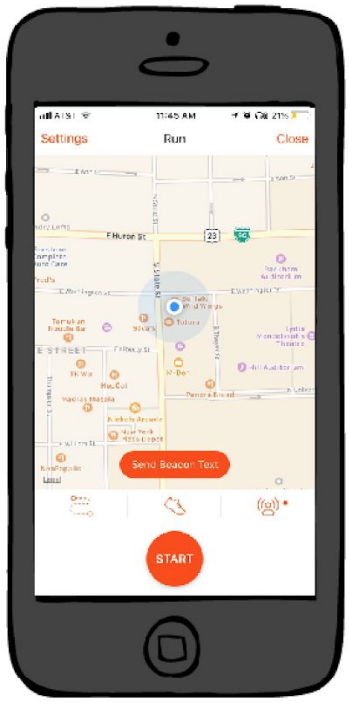




Running App Integration

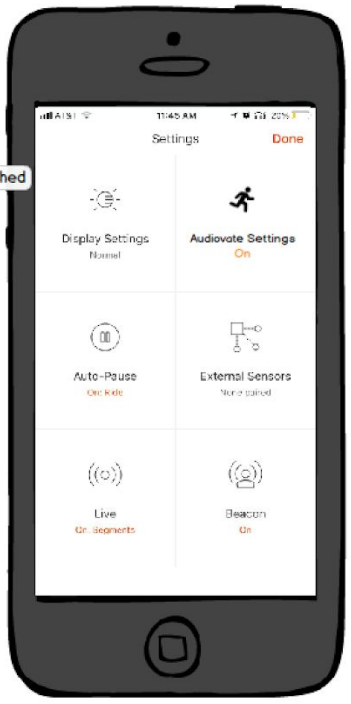
1. Main Page & Setting

1. Record



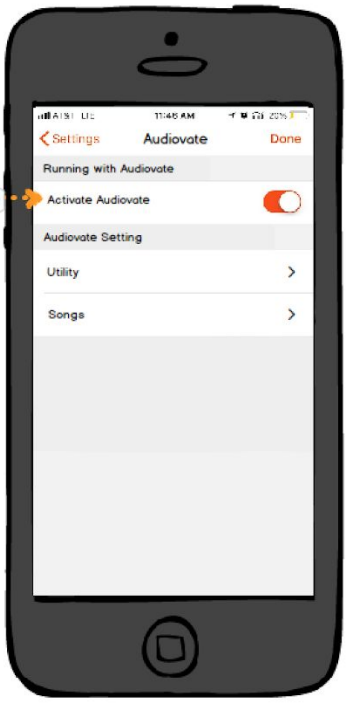
"Settings" Touched

2-1. Settings



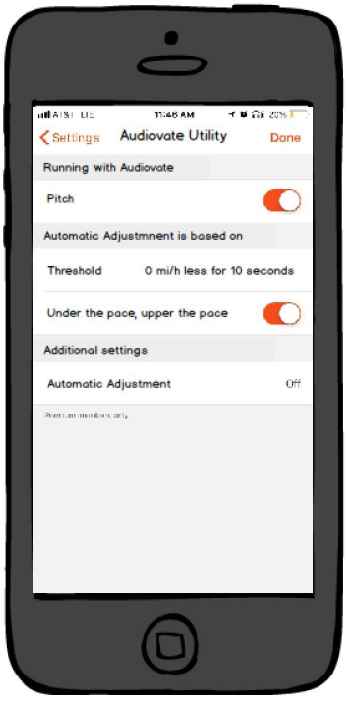
Audiovate Touched

2-2. Audiovate Settings

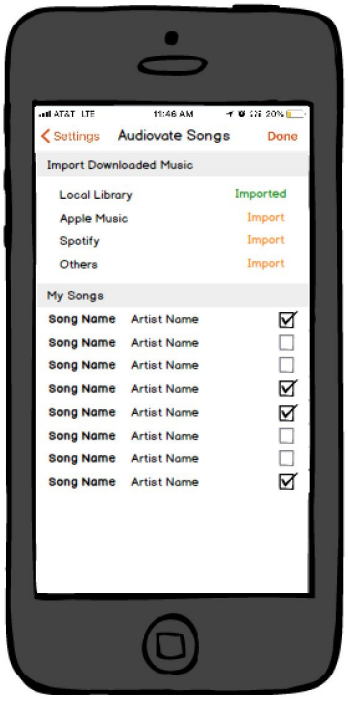


2. Audiovate Setting

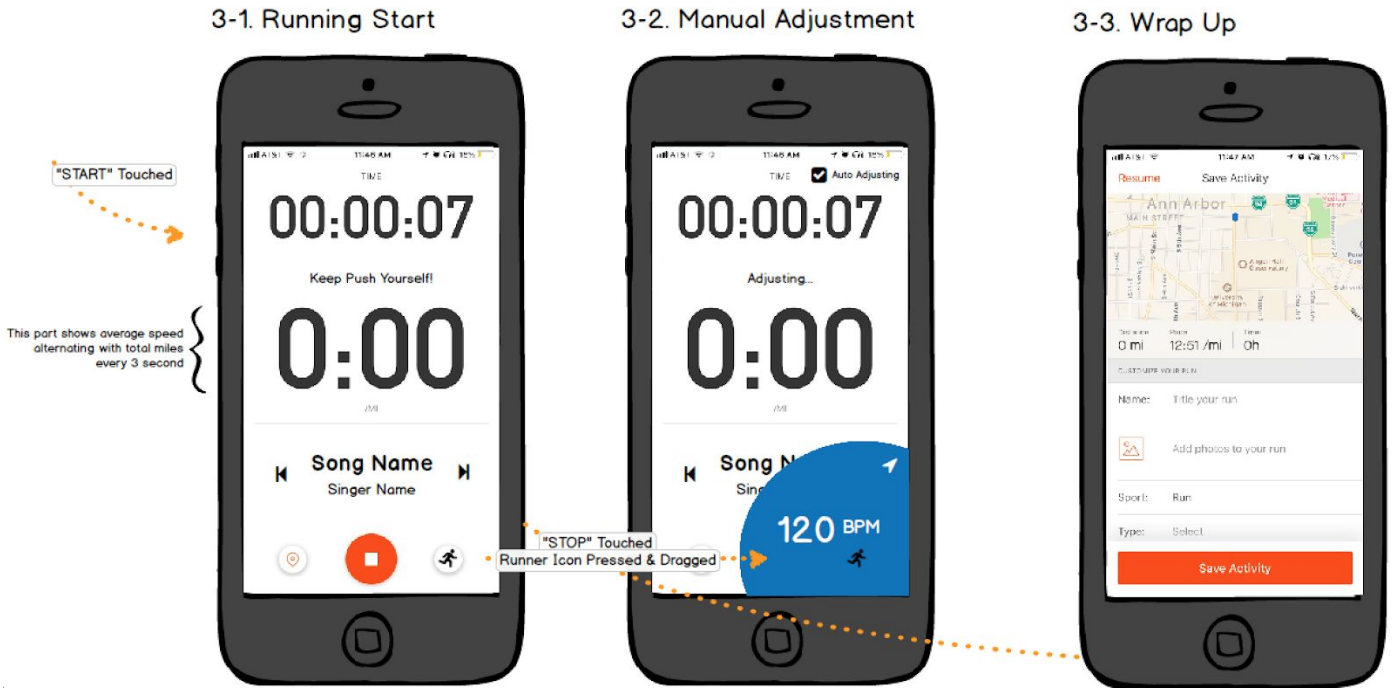
2-2-2. Audiovate Utility Settings



2-2-1. Audiovate Songs Settings



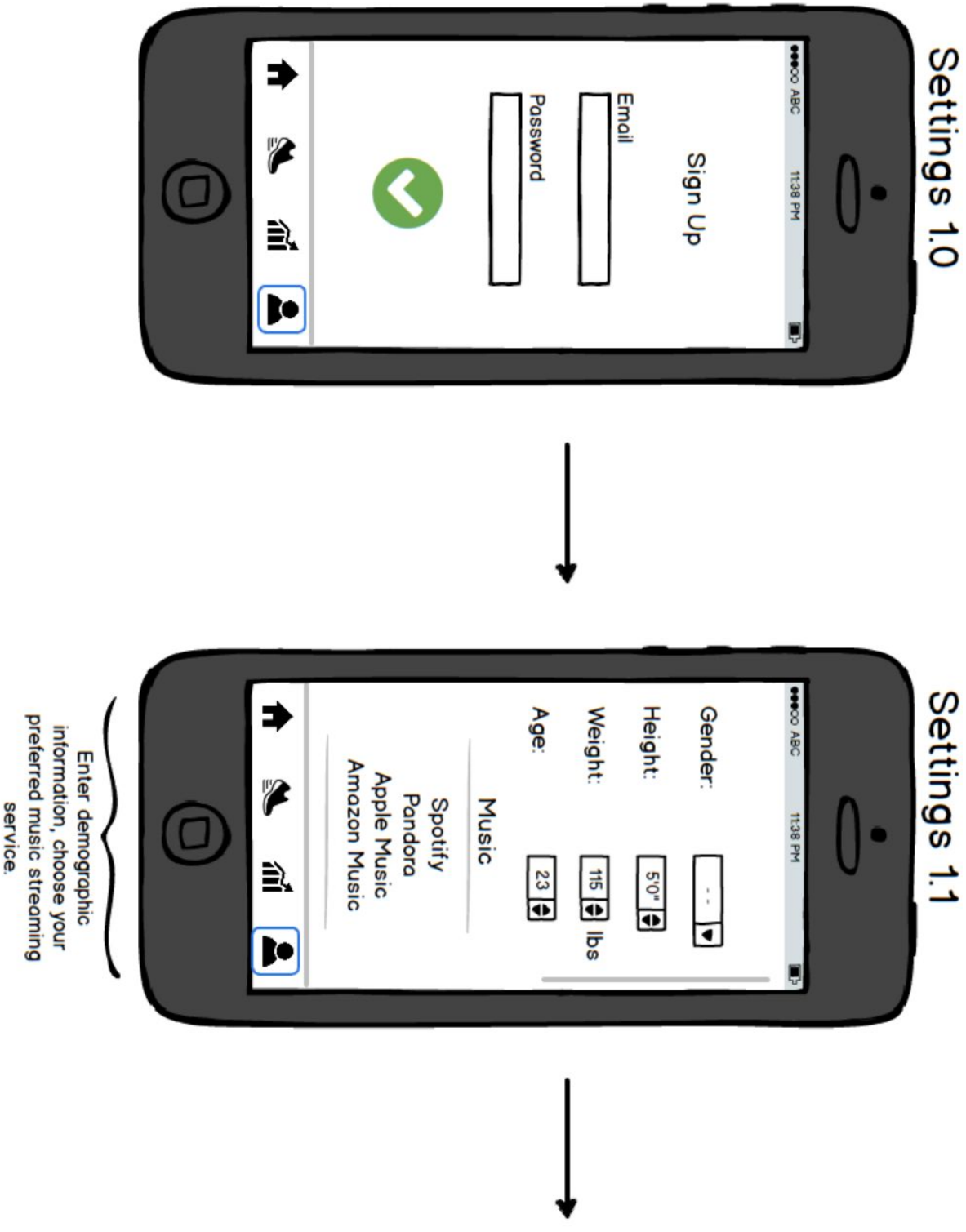
3. Running


3-1. Running Start
3-2. Manual Adjustment
3-3. Wrap Up
"START" Touched
This part shows average speed alternating with total miles every 3 second
TIME
00:00:07
Keep Push Yourself!
0:00
Song Name
Singer Name
"STOP" Touched
Runner Icon Pressed & Dragged
Auto Adjusting
Adjusting...
120 BPM
Resume
Save Activity
Ann Arbor
0 mi
12:51 /mi
0h
Name:
Title your run
Add photos to your run
Sport:
Run
Type:
Select
Save Activity

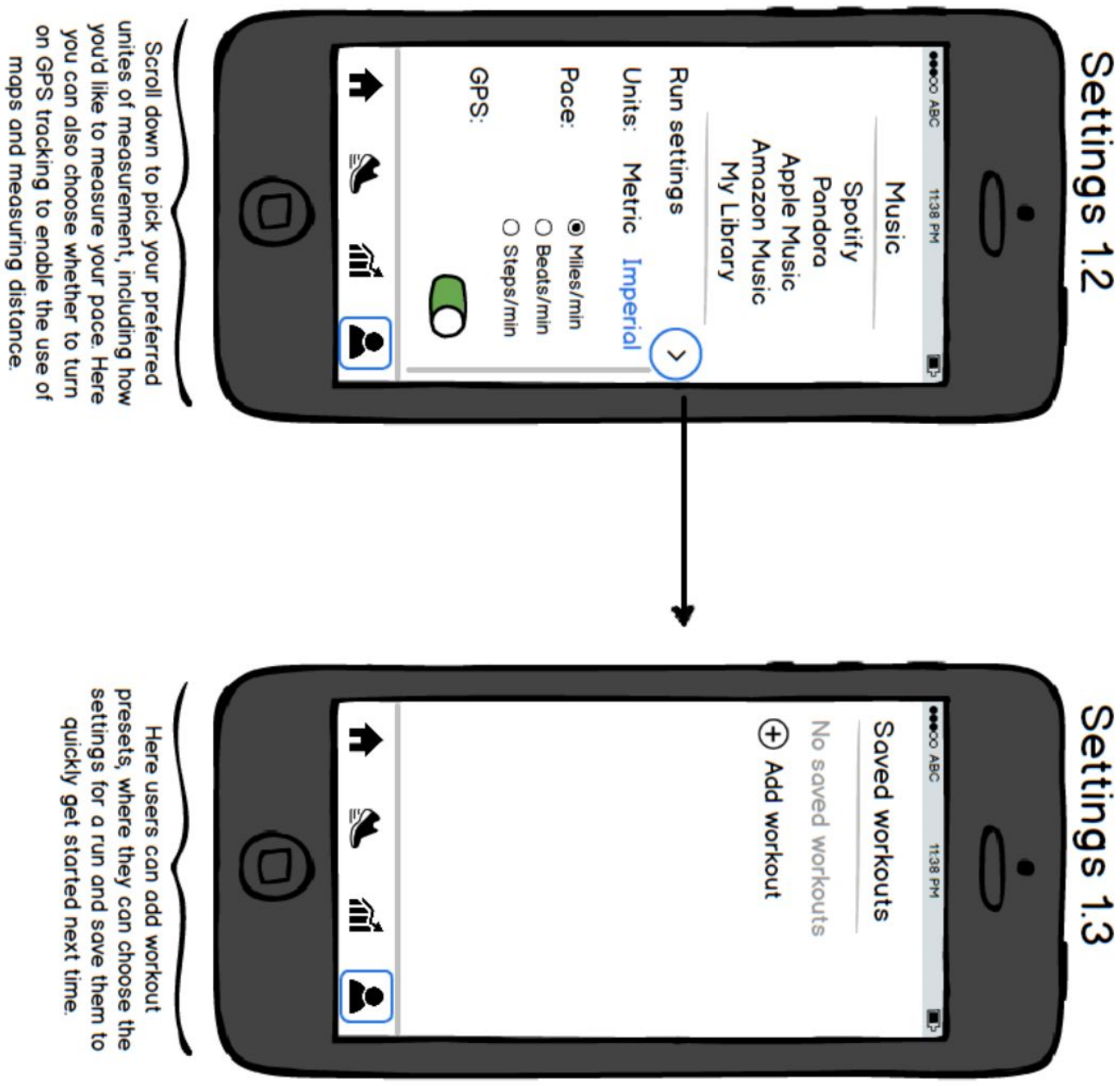
Low-Fi Prototype Version 2

Standalone

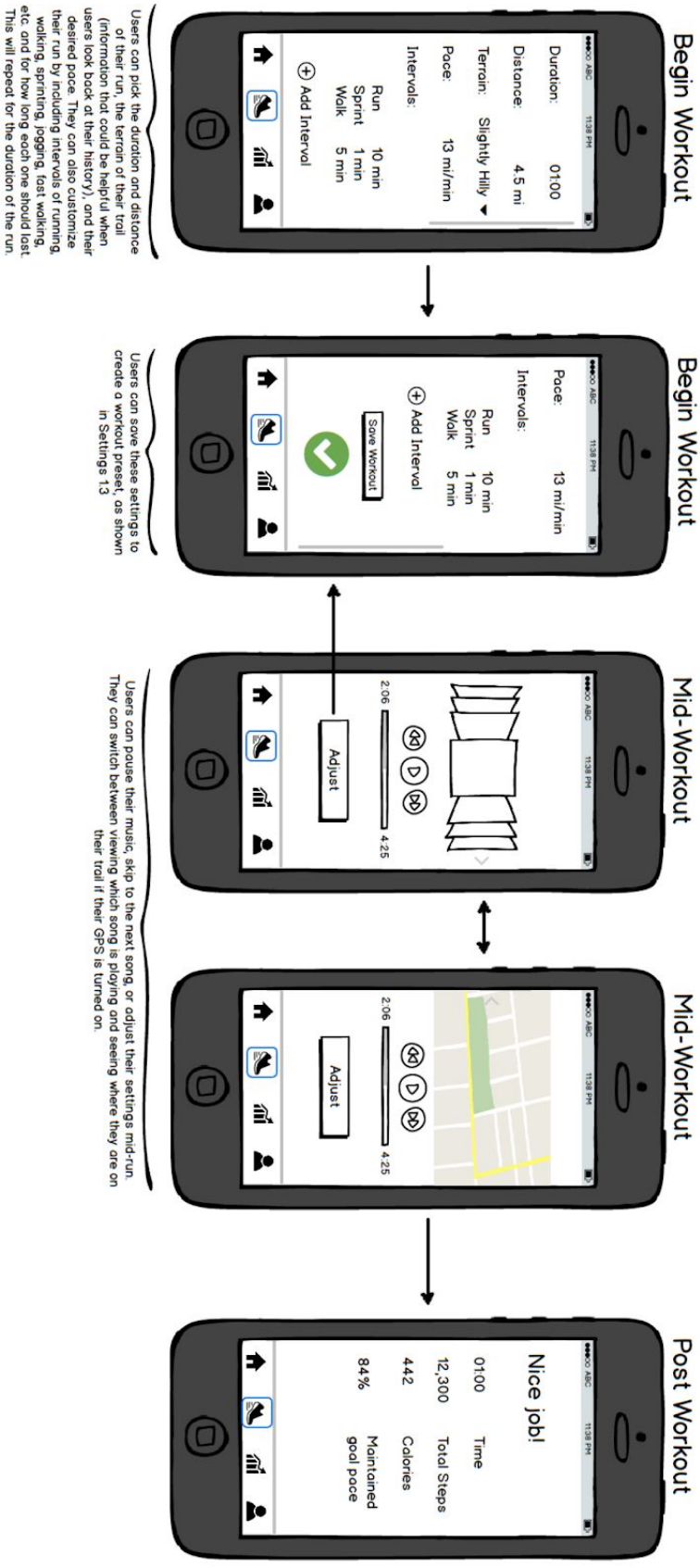
1. Onboarding



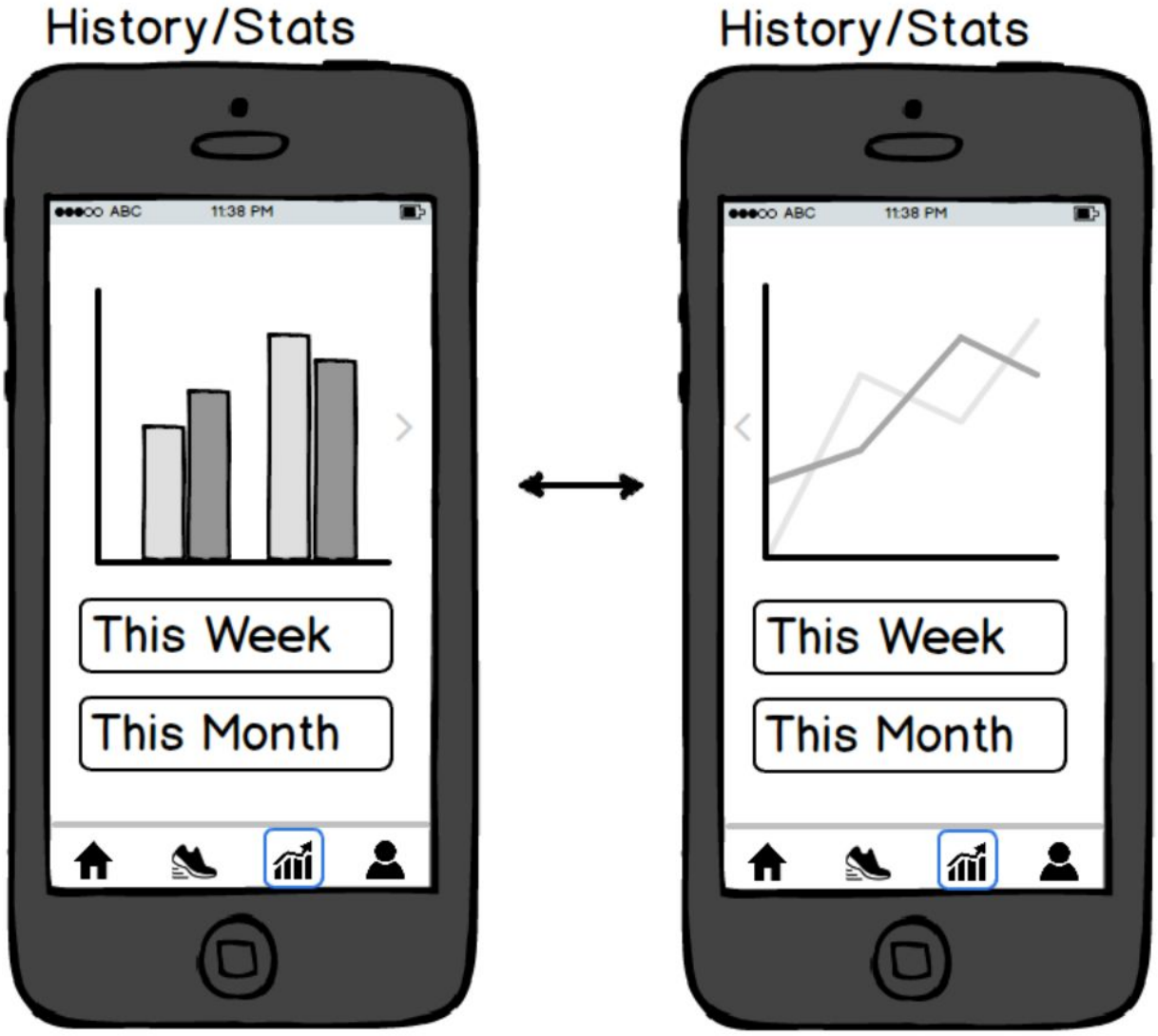
1. Onboarding



2. Running


Begin Workout
Duration: 01:00
Distance: 4.5 mi
Terrain: Slightly Hilly
Pace: 13 mi/min
Intervals:
Run 10 min
Sprint 1 min
Walk 5 min
Add Interval
Users can pick the duration and distance of their run, the terrain of their trail (information that could be helpful when users look back at their history), and their desired pace. They can also customize their run by including intervals of running, walking, sprinting, jogging, fast walking, etc. and for how long each one should last. This will repeat for the duration of the run.
Begin Workout
Pace: 13 mi/min
Intervals:
Run 10 min
Sprint 1 min
Walk 5 min
Add Interval
Save Workout
Users can save these settings to create a workout preset, as shown in Settings 13
Mid-Workout
2:06
4:25
Adjust
Users can pause their music, skip to the next song, or adjust their settings mid-run. They can switch between viewing which song is playing and seeing where they are on their trail if their GPS is turned on.
Mid-Workout
2:06
4:25
Adjust
Post Workout
Nice job!
01:00 Time
12,300 Total Steps
442 Calories
84% Maintained goal pace

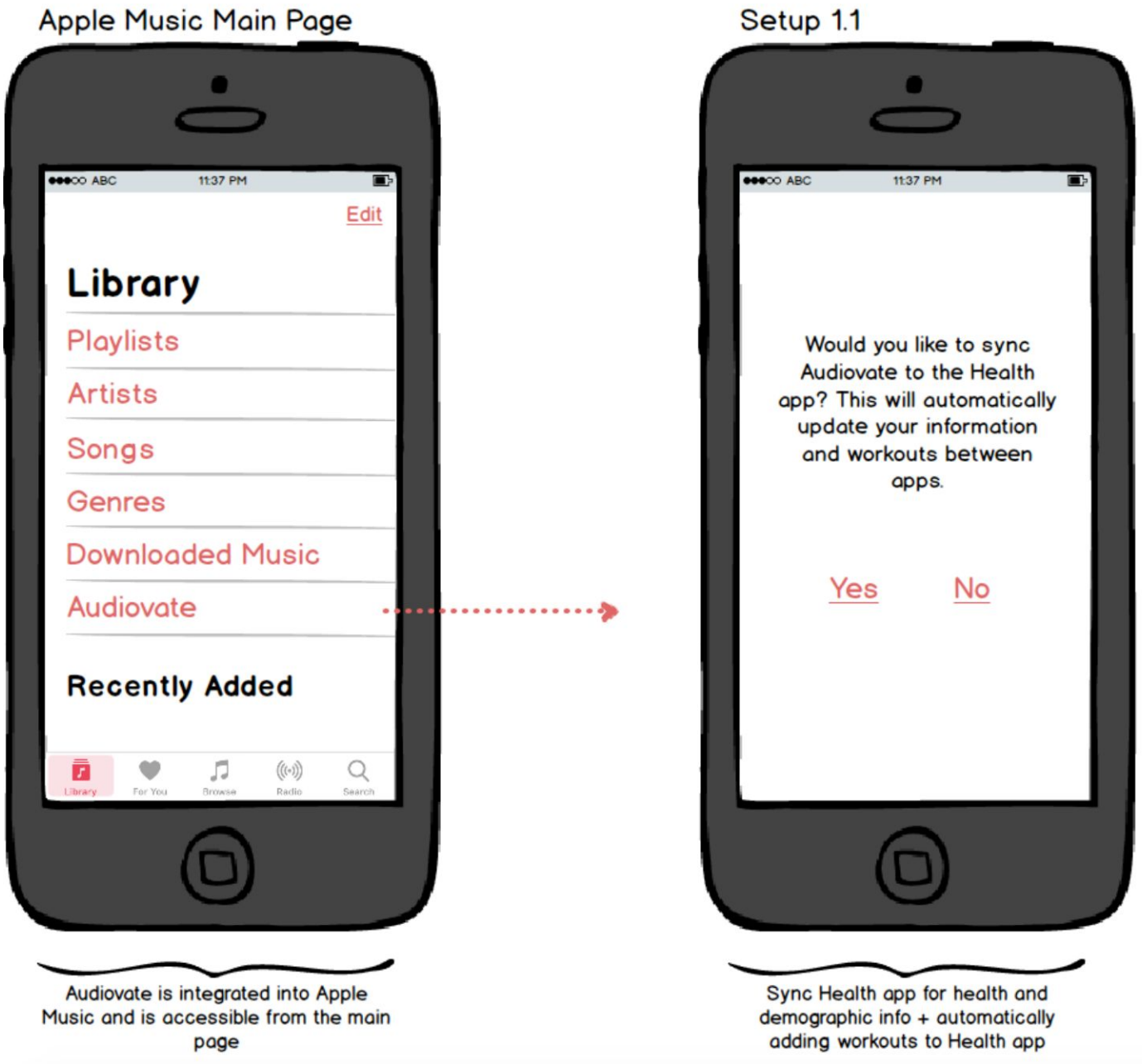
3. Personal Analytics & History



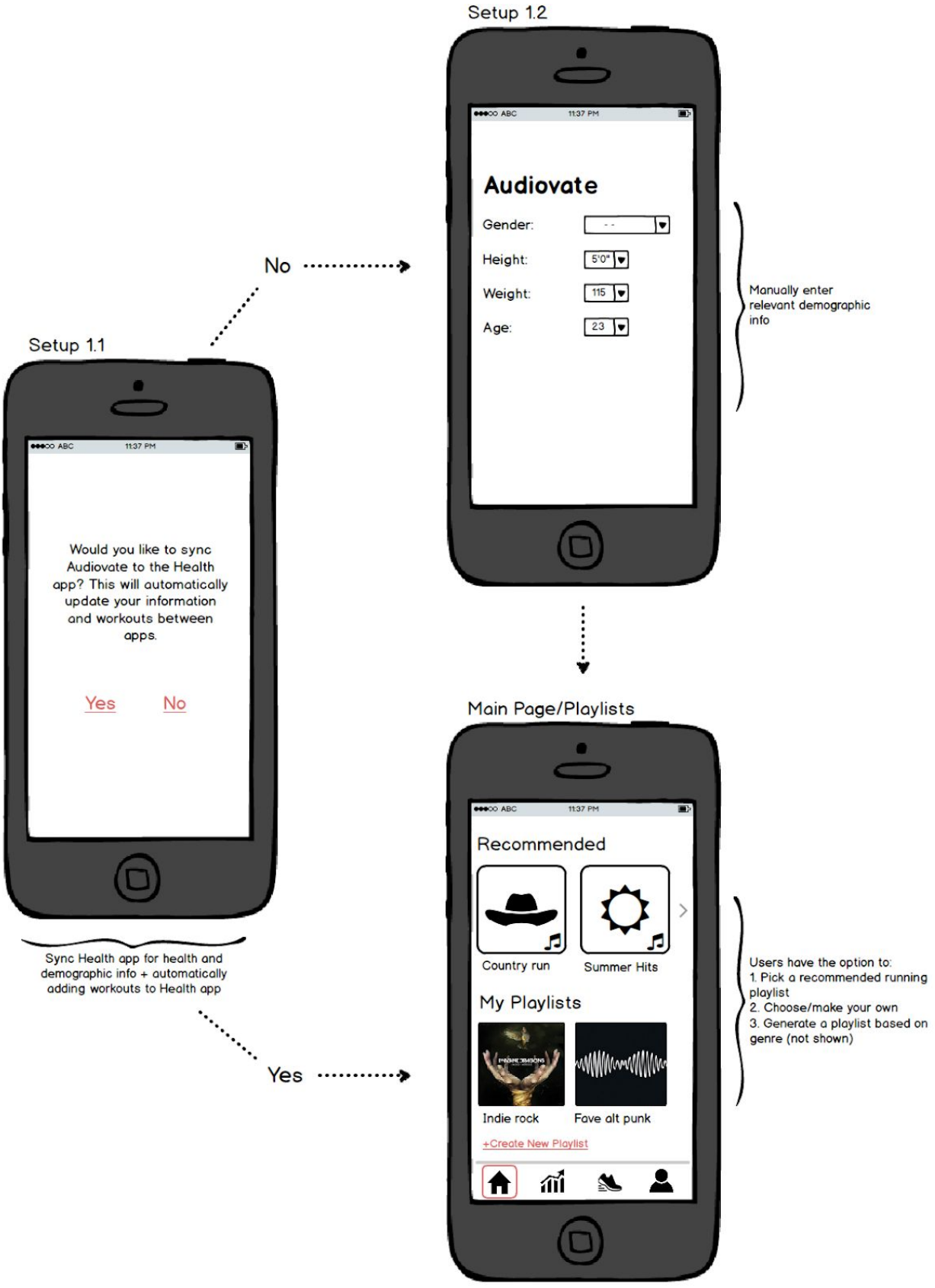
Users can view their running history in multiple views, like bar graphs and charts.

Music App Integration

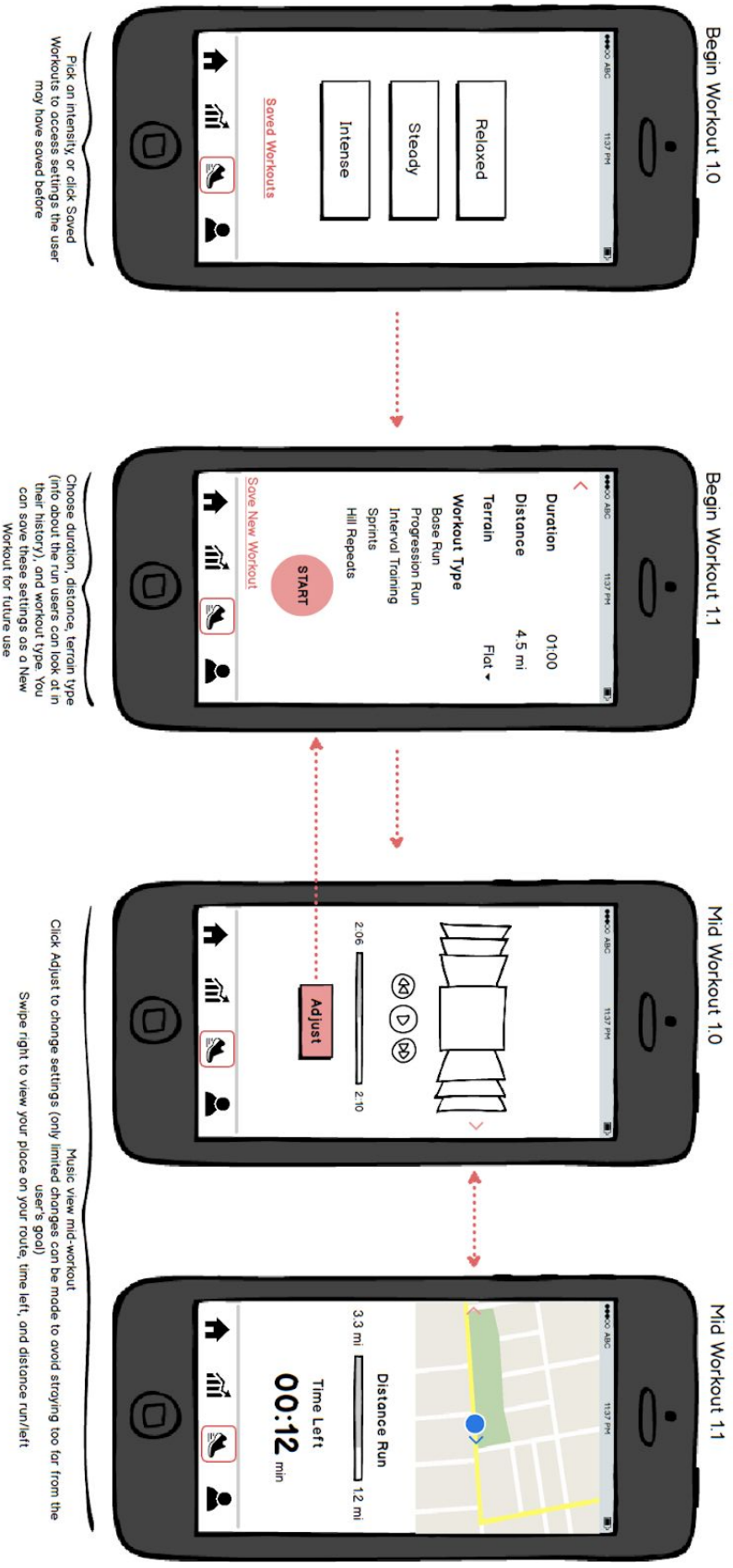
1. Onboarding

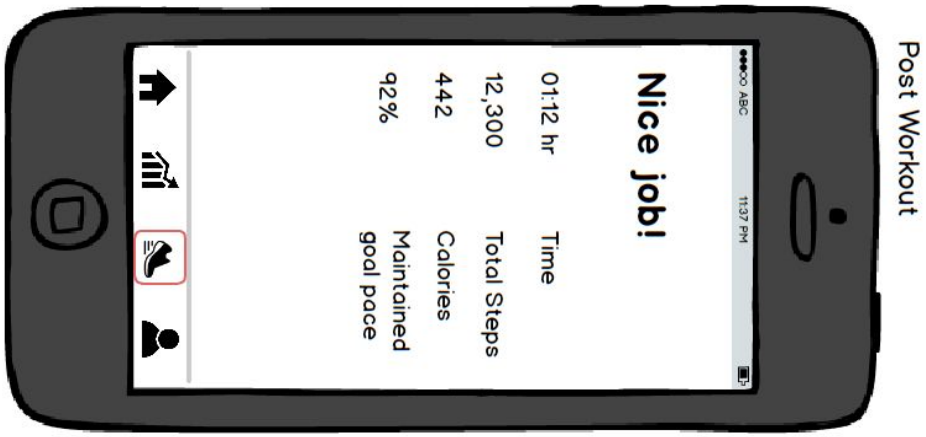


1. Onboarding

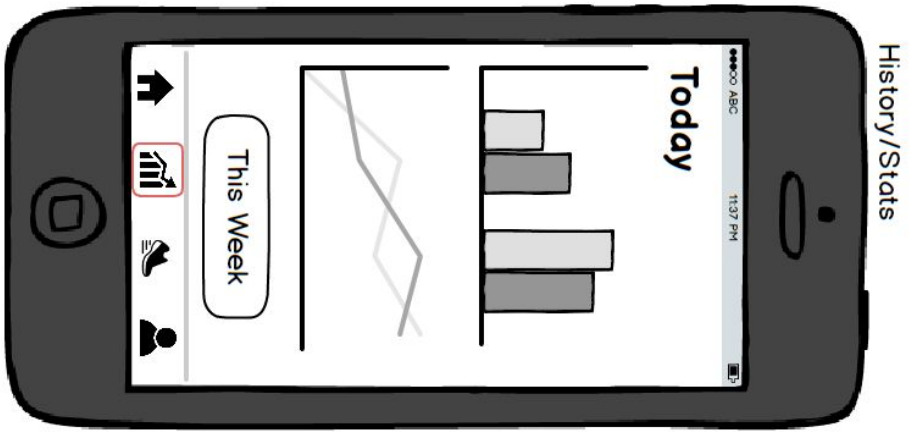


2. Running


Begin Workout 1.0
Relaxed
Steady
Intense
Saved Workouts
Pick an intensity, or click Saved Workouts to access settings the user may have saved before
Begin Workout 1.1
Duration 01:00
Distance 4.5 mi
Terrain Flat
Workout Type
Base Run
Progression Run
Interval Training
Sprints
Hill Repeats
START
Save New Workout
Choose duration, distance, terrain type (info about the run users can look at in their history), and workout type. You can save these settings as a New Workout for future use
Mid Workout 1.0
2.06
2.10
Adjust
Mid Workout 1.1
3.3 mi
Distance Run
12 mi
Time Left
00:12 min
Music view mid-workout
Click Adjust to change settings (only limited changes can be made to avoid straying too far from the user's goal)
Swipe right to view your place on your route, time left, and distance run/left



3. Personal Analytics & History



TECH TRANSFER
UNIVERSITY OF MICHIGAN

Interactive Comps

Link to clickable comp
https://pr.to/E4ZNMX/