



STEPSAFARI

Russell, Garrett, Emmanuel, and Peter



THE PROBLEM WE ADDRESSED

- ❖ With a greater portion of the workforce, and as a result society, moving towards more sedentary lifestyles - working behind desks or indoors without much movement - the rate of Cardiovascular diseases (CVD) like heart failure, strokes, and blood vessel disease have begun to skyrocket
- ❖ Many people find it challenging to stay with a definitive exercise regiment
- ❖ Many health apps are fail to properly/consistently engage their users

OUR SOLUTION

- ❖ StepSafari seeks to gently re-introduce meaningful, consistent exercise into its users' lives to decrease their chances of preventable diseases
- ❖ By utilizing built-in smartphone sensors and cute animal graphics, StepSafari incentivizes users to move, stay active, and “level up” their graphic by exercising more

FINAL FEATURES

- ❖ Step-Counter:
 - Implemented Step Sensor API in order to record the User's Step
- ❖ Animal UI
 - Created list of animals User's can compete against with using challenges
- ❖ Challenges
 - Scroll wheel challenges tab that allows user to select from 9 different animal challenges
- ❖ Achievements
 - Achievements tab showing what challenges the User is currently completing or has completed
- ❖ Navigation Bar
 - Basic yet effective Navigation bar at the bottom of the Screen that allows users to switch between app pages

FEATURES NOT IMPLEMENTED

- ❖ Heart-Rate Calculation -
 - We struggled to successfully implement the Heart Rate Sensor into our application
- ❖ BMI Calculator -
 - Without a successfully implemented Heart Rate
- ❖ Removed The Progress Bar -
 - The final version of our UI removed the need to have a progress bar

SECURITY ISSUES

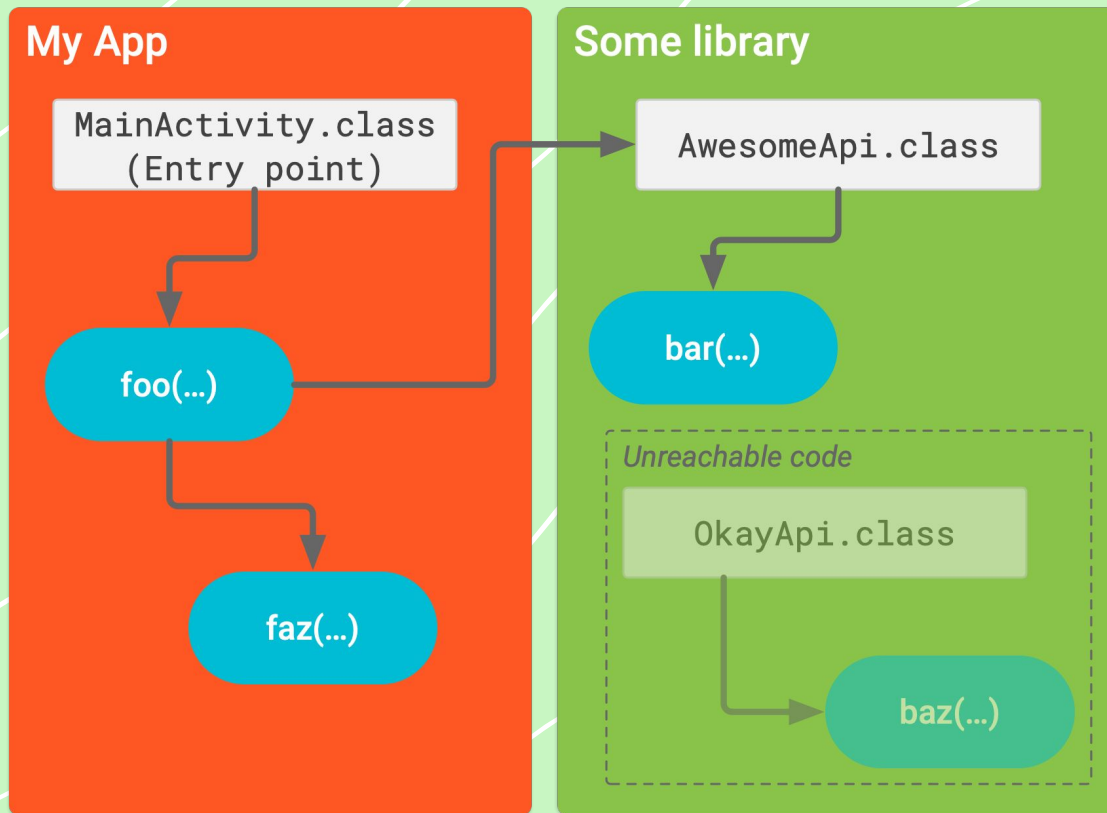
- API Mismatch

Exposed API means users with technical knowledge can switch out or delete the API key, making it impossible for the application to connect to the various phone sensors.

- Path Dependency

As much of the app is dependent on specific tools, softwares, and dependencies, the application is hardcoded to specific files' locations. This allows individuals to learn more about the host machine by examining the source code and dependency files.

THE SOLUTION? OBFUSCATION



STEPSAFARI

DEMO



UI & ACTIVITIES





Authors

Russell Doucet, Emmanuel Teferra,
Peter Ganuis, Garrett Wood

Introduction

With a greater portion of the workforce, and as a result society, moving towards more sedentary lifestyles - working behind desks or indoors without much movement - the rate of Cardiovascular diseases (CVD) like heart failure, strokes, and peripheral arterial disease have begun to skyrocket. StepSafari seeks to gently re-introduce meaningful, consistent exercise into its users' lives to decrease their chances of preventable diseases. By utilizing built-in smartphone sensors and cute animal graphics, StepSafari incentivizes users to move, stay active, and "level up" their graphic by exercising more.

Services

StepSafari provides fun and easy to use user interface that encourages users to get outside and get their sweat on. Users can pick uniquely created challenges that mimic those of jungle animals speed and distance and earn achievements as they complete those challenges.

Why Invest?

With the correct backing, we can expand StepSafari into the number one fitness application in the Google Play store and expand it into the Apple App Store. We can add more features like tracking, BMI and heart-rate calculators and improve on the User Interface to make it more interesting for the users. StepSafari is a great starting point for people who want to start or continue their way to a healthier life. Instead of telling users what to do, we give that freedom to the users and we can keep expanding the challenges and the capabilities of the application to make it better and better everyday.

Features

- Gyroscope To Track The User's Speed and Distance
- Animal Challenge that the user can choose
- Animal Achievements that the User can obtain
- Step Counter to track Steps for the user
- No Sign Up required
- Navigation Bar

Use Cases

These services and features are useful because it encourages users to go out and start their or continue their fitness journey. It is very easy to use and not intimidating at all for people who are not really that tech savvy. The challenges can help the user forget they are working out and just trying to achieve the fun goals.



Monetization Plan

If we wanted to monetize the application, we would put advertisements on the app, at the top, so a user does not accidentally click on the ad. That way we would make money from those sponsors. Then we can also give the user the option to pay \$1.99 to remove the advertisements on their respective app to enhance the user experience.

Conclusion

StepSafari is an amazing application that can really help everyday people stay fit. The fun interactions the users are able to have with StepSafari make it a fitness application like no other. The winning achievements helps the give the user a bigger sense of accomplishment. StepSafari is really just trying to put fun back into fitness and we truly believe we have accomplished that.



THANK YOU

