

Fitness Application

Aman, Sourabh Swami, Mehir Gupta, Nayyar Jamal, Prof. Mayank Kumar Goyal

Dept. of Computer Science and Technology,
Sharda University,

Abstract- Over recent times, the world has seen a shaft in the download and operation of fitness and health apps. In 2019 fitness app usage grew at a exponential rate, being the most used category of application for that year. Since then, it has maintained its stoner consumption and continues to grow, with the inclusiveness of wearables bias like Google fit and Fitbit. This is the dawn of a new period, an period where people look further to their mobiles or their fitness watches to check on their health, rather than the traditional system of going and seeing a expert. These apps give a great avenue for those who are interested on tracking their fitness situations runners, cyclists, and spa goers likewise. Everything can be tracked currently; indeed the standard iPhone comes with a health app erected in, with a range of features.

Keywords- Mobile App, Fitness.

I. INTRODUCTION

Due to the global outbreak of the COVID-19 pandemic in 2020, nearly every country is facing problems concerning the deficit of medical and healthcare coffers, and people have come more apprehensive of the significance of following a healthy life and incorporating physical exercise into their daily lives. As the most downloaded type of mobile health operations (mHealth apps), fitness apps can help people manage their nutritive input, help their participation in fitness and physical conditioning, and promote a healthy life.

Developments of Fitness operation is substantially needed by People to make sure that their health is going well or not through smart phone and tablets. The main end of this design is to grease People in Fitness, Exercising and perfecting their knowledge regarding trainings. At the meantime, our app provides them diet plans. We designed the operation to grease the druggies to be suitable to lose their weight using movable bias similar as smart phones and tablets.

II. BACKGROUND

There are two main areas of perpetration of mHealth apps in professional medical practices (both on the side of experts and cases; e.g., Skyscape, MySugr), and tone-monitoring of healthy habits (e.g., MyFitnessPal). The first area has a field of an app simply in the healthcare field, involving the connections between croakers and their cases. The alternate area represents fitness apps, which is the

subject of this study, is concerned with the particular monitoring of the conditioning of individualities within the frame of espousing healthy cultures or complaint forestallment habits, and this order is frequently enforced

through marketable apps that are developed without the supervision of medical administrations.

The term “fitness” has a wide exposition field on the one hand, it refers to the practice of physical exercise to gain or maintain good body shape and balance; on the other hand, more generally, it refers to a good state of vitality and physical well-being.

III. AIMS

The purpose of my application is to develop an operation that's precious to spa goers and people who exercise in general who would like to track their exercises and negotiate their fitness pretensions. The graphical user interface (GUI) of the app should look charming to the user so as to allure them. The app should give a affable experience and a give a feeling of accomplishment after being used to encourage intermittent operation. It should be largely accessible anyhow of the customer's sociability with operations. Whether the customer is a newcomer or is endured, the app will be good for both.

The key to this app is simplicity and this app will procure a many features popular in this request, through a simple and straight to the point operation. The app should also give the customer with a fun experience.

IV. TECHNOLOGIES

In order to complete this design, I've utilised Android studio as it's an operation that I've come known to during my coursework. During my coursework, I've used android studio in the creation of diverse works and therefore, have used this knowledge to produce the classes and GUI essentials of this one.

Google Firebase was used for user authentication in the app. This was used to apply the login and enrollment

sections. Deciding Firebase was an easy decision as it's easy to apply and provides a variety of authentication options through the Firebase console. The console composes it easy to manage customers and includes an option for user to have a key reset transferred to their address.

V. DESIGN

The app was developed to be grounded solely around the customer's health and fitness, so all of the features in it are grounded around this. The app was designed in android studio and each page of it was defined following the same scheme. Each aspect has a unit class which has path from the homepage. Through customizing mycolors.xml train I was suitable to produce a colour scheme which is present throughout every leaves of the app.

Using different layouts and layout components I developed an ad hoc model to study relations and different generalities during the design process. I looked at all of the different factors and the connections between them which eventually laid the foundation for the overall design of my operation. The apps design allows the customer to cut through the diversified pages fluently.

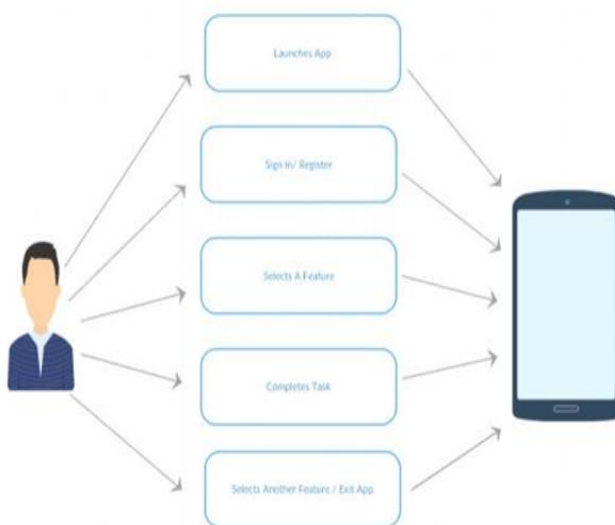


Fig 1. Text Here Your Fig Title.

VI. CONCLUSION

I considered that there was a problem with apps of this type and that if done a certain way this could be answered. The idea and my provocations have been stated easily.

I believe that I accomplished utmost of what I've set out to do when this idea was conceived. Still, there are multiple different areas which could be bettered and lots of room for expansion.

The global fitness app merchandise size was valued at USD 1.1 billion in 2021 and is anticipated to outreach at a

compound annual growth rate (CAGR) of 17.6 from 2022 to 2030. The spreading COVID-19 epidemic led to civil lockdowns followed by social distancing morals, thereby abetting the transition from traditional workrooms and gymnasiums to virtual fitness. It, in turn, has led to increased downloads and subscriptions of fitness apps.

VII. FUTURE PROSPECTS

In the future, this operation could be greatly bettered and expanded to include new features. The tracker and step counter can be bettered. A calorie counter could be added to allow customers keep track of their diurnal input and pursue their weight loss pretensions.

This would mean colonizing a database with vast quantities of food and nutritive data and allowing the stoner to enter food eaten after every mess. Once entered the app takes the number of calories from their diurnal allowance. An exercise instruction primer which advises customers of workout exercises and how it is done.

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