Fit Buddy Prototype and KSUGo Mobile App

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HONORS CS CAPSTONE
Fit Buddy App – Final Draft

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Computer Science
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**Project Description/ Objectives**

This project is categorized as a creative project. The capstone project will focus on making a KSU app that contains information to make students aware of what KSU offers to them. However, I find a missing piece of having an app that revolves around social media and fitness by facilitating the use of the recreation center. During my time at KSU, I have spent most of my leisure time in having a new hobby, such as swimming. I was fortunate to meet with my swimming buddy when I was working at Intramural Sports. During the weekly swimming sessions, I was able to not only improve my swimming skills, but also meeting new people between the Kennesaw and Marietta campus.

There are three key points of this project: First, the social networking aspect; students will be able to meet and interact with other students by sharing common fitness goal. There will be a matching and chatting system for each student to interact and share their story to achieve their mutual needs. Second, the fitness aspect; students will be able to learn new skills or help other students through the peer-to-peer buddy system. Both students can either give instruction tips or train in person. Both trainer and trainee will get rated using rating systems that are accumulated through the attendance system. Third, the real-time technology aspect; students can report whether certain equipment or facilities, such as the treadmill or exercise bench, are available when they are within the recreation center area using community-based reporting. Alternatively, the third key point can be achieved with the IoT (Internet of Things) aspect by utilizing sensors on the equipment.

The final product of this project is a proof of concept prototype that is made using Sketch and Invision. Sketch is a digital design toolkit, and Invision is a digital design, workflow & collaboration as well as prototyping tool. The prototype contains static UI designs that can be used as an app model presentation. Users will be able to navigate through different UI pages to access different features of the app.

**Impact on my Future Education**

This project aligns with my goals because I plan to become a Computer Scientist and eventually establish my own startup. As a developer, one of the key development aspects is to build a prototype design, so that the business owner can relate to the prototype and check whether it is the desired product before moving forward to write the code for the actual product.
This project will help me learn how to become a UI/UX (User Interface/User Experience) designer as well as a team leader.

**Honors and Foundations of Learning**

This project aligns with “Creativity and Innovation” as well as “Information Fluency” foundations. I am demonstrating the creativity and innovation foundation by taking an action to create a new product that will help users tackle multiple growing technology aspects, such as social networking, fitness, real time technology, and IoT to improve their life on a daily basis. I am also demonstrating information fluency by involving critical thinking and integrating new rapid prototyping technology using Sketch and Invision to create a model product, which can also be used as the UI assets. Ultimately, this project is different than the non-Honors capstone project because I am going above and beyond in this project by addressing the social networking, fitness, and real-time technology features in the KSU app. I am also learning and applying new skills that I have not covered in courses or achieved during my Co-op experiences. This honors project will help me learn how to be self-motivated and persistent.

**Mockup Pages**

Login: On this page, user will be able to sign in, create new account or get a walkthrough of the application.

New account: On this page, user will be able to sign up by filling out the registration form.

Walkthrough: On this page, user will be able to understand the application a little better before starting to use the application.

Profile: On this page, user will be able to put their profile picture (first time user), specify gender, gender, specify fitness goals, specify buddy type, understand current rating, navigate to stats system, navigate to chat system, navigate to find buddy system, navigate to navigation page (located on top left), and navigate to settings (located on top right). The fitness goals will be in form of dropdown, once an item is chosen, it will be shown of the right side of the dropdown button. User will be able to remove the item chosen by clicking the cancel (x) button.

Home: On this page, user will be able to see recent match along with the chat as well as the previous recent chats. User will also be able to navigate to navigation page (located on top left), and navigate to the match system.

Chat: On this page, user will be able to see the matched buddy as well as the messages sent to each other.
Find buddy: On this page, user will be able to see the randomly matched buddy. It will show the common interests shared. Then, user can navigate to stats system, navigate to chat system, and navigate to find buddy system. User can also navigate to back to home page (located on top left).

Gym availability: On this page, user will be able to see the availability of the Kennesaw and Marietta campus gym equipment. The equipment will be greyed out if it is not available. User can navigate back to home page (located on top left), and refresh to update availability the page (located on top right). User can also zoom in and zoom out the maps.

Navigation: On this page, user will be able to navigate to home page, profile page, get buddy system, chat system, stats system, and gym availability. User can also log out, close the navigation page (located on top left), and navigate to settings (located on top right).

Settings: On this page, user will be able to update photo, name, email, password. User will be able to turn on push notifications, email notification, or notification sound. The blue means that the notifications are not activated, the gold color means that the notifications are activated.

Stats: On this page, user will be able to keep track their sessions by keeping track the sessions created as well as cancel session. These will then accumulate the ratings system that show how diligent the user is to attend the session. There will be a breakdown charts for every 5 days of the month. Monthly statistic is the default statistics. User can also navigate to the navigation page (located on top left).
Fit Buddy

USERNAME

alim5@students.kennesaw.edu

PASSWORD

Sign In

Get Started

Not registered? Create Account
Fit Buddy

USERNAME
alim5@students.kennesaw.edu

PASSWORD

Not registered? Create Account

Sign In
Get Started
Sign Up

NAME

EMAIL

PASSWORD

PHONE

Create Account
New Account

Sign Up

NAME
Albert Lim

EMAIL

PASSWORD

PHONE

Create Account
New Account

Sign Up

NAME
Albert Lim

EMAIL
alim5@students.kennesaw.edu

PASSWORD

PHONE

Create Account
New Account

Sign Up

NAME
Albert Lim

EMAIL
alim5@students.kennesaw.edu

PASSWORD

PHONE

Create Account
New Account

Sign Up

NAME
Albert Lim

EMAIL
alim5@students.kennesaw.edu

PASSWORD
•••••••

PHONE
404 - 423 - 8960

Create Account
Minimal & Intuitive Interface
Albert Lim

GENDER

- Male
- Female

FITNESS GOALS

- Select

Buddy Type

- Trainee
- Trainer

HOME

Stats

Chat

Find Buddy
Fit Buddy

Profile

Albert Lim

GENDER
- Male
- Female

FITNESS GOALS
- Select

Buddy Type
- Trainee
- Trainer

HOME

Stats
Chat
Find Buddy
Albert Lim

GENDER

- Male
- Female

FITNESS GOALS

- Select
  - None
  - Workout
  - Swimming
  - Running

HOME

Stats
Chat
Find Buddy
Albert Lim

Gender
- Male
- Female

Fitness Goals
- Select x Workout
  - None
  - Workout
  - Swimming
  - Running

HOME

Stats  Chat  Find Buddy
Profile

Albert Lim

Gender
- Male
- Female

Fitness Goals
- Workout
- Swimming

Buddy Type
- Trainee
- Trainer

Home

Stats
Chat
Find Buddy
Profile

Albert Lim

GENDER
- Male
- Female

FITNESS GOALS
- Select
- Workout
- Swimming

Buddy Type
- Trainee
- Trainer

HOME

Stats
Chat
Find Buddy
Albert Lim

GENDER
- Male
- Female

FITNESS GOALS
- Select
- Workout
- Swimming

Buddy Type
- Trainee
- Trainer

4/5 Ratings

Stats | Chat | Find Buddy
Hi, Albert!

Hey! How are you? Have you been to KC gym...

Chris  Just now

RECENT CHATS

Patrick  5 minutes ago
Sure thing!

Chase  2 days ago
Let's work on legs next time!

Anthony  4 days ago
Thanks for the great swim!

John  1 month ago
Hi, Albert!

Find your first buddy

RECENT CHATS
Hi, Albert!

Find your fit buddy

RECENT CHATS

Patrick
Sure thing!

Chase
Let's work on legs next time!

Anthony
Thanks for the great swim!

John
1 month ago
Hi, Albert!

Hey! How’s it going?

Andrea Just now

Recent Chats

Chris 3 minutes ago
Cool!

Patrick 10 minutes ago
Sure thing!

Chase 2 days ago
Let's work on legs next time!

Anthony 4 days ago
Hi, Albert!

Find your fit buddy

RECENT CHATS

John

New Match!

5 minutes ago
Hi Albert! How are you?
5 minutes ago

Doing good, how do you feel about going to the KC gym tonight?
5 minutes ago

Sure thing!
5 minutes ago
Find Buddy

TODAY AT 3:00PM

Albert
Trainee

Chris
Trainer

Buddy Connected!

Both of you share interests in

- Workout
- Swimming

Stats  Chat  Find Buddy
Fit Buddy

Find Buddy

TODAY AT 3:00PM

Albert
Trainee

Andrea
Trainer

Buddy Connected!

Both of you share interests in

- Workout
Find Buddy

TODAY AT 3:00PM

Albert
Trainee

John
Trainer

Buddy Connected!
Both of you share interests in
- Workout

Stats
Chat
Find Buddy
Marietta Campus

NOTE: This is not real representation of KSU gym map

Kennesaw Campus

NOTE: This is not real representation of KSU gym map
Fit Buddy

Gym Availability

Marietta Campus

NOTE: This is not real representation of KSU gym map

Kennesaw Campus

NOTE: This is not real representation of KSU gym map
Home
Profile
Get Buddy
Chat
Stats
Gym Availability

Logout
Albert Lim
Home
Profile
Get Buddy
Chat
Stats
Gym Availability
Logout
Albert Lim
NAME
Albert Lim

EMAIL
alim5@students.kennesaw.edu

PASSWORD

Push notifications

Email notification

Notification sound
Settings

NAME
Albert Lim

EMAIL
alim5@students.kennesaw.edu

PASSWORD

Push notifications
Email notification
Notification sound
Settings

NAME

Albert Lim

EMAIL

alim5@students.kennesaw.edu

PASSWORD

•••••••

Push notifications

Email notification

Notification sound
Statistics

WEEK

MONTH

YEAR

March

2018

70%

Attended Sessions

Add Session

30%

Canceled Sessions

Cancel Session

1 5 10 15 20 25 30