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Fit Buddy Prototype and KSUGo Mobile App

Albert Lim

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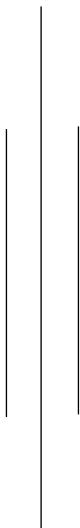
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HONORS CS CAPSTONE

Fit Buddy App – Final Draft



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Computer Science

Spring 2018

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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

39 Screens



Albert L.

Fit Buddy



USERNAME

PASSWORD

► Sign In

Get Started

Not registered? [Create Account](#)

Fit Buddy



USERNAME

alim5@students.kennesaw.edu

PASSWORD

(This field is currently empty)

► Sign In

Get Started

Not registered? [Create Account](#)

Fit Buddy



USERNAME

alim5@students.kennesaw.edu

PASSWORD

• • • • •

► Sign In Get Started

Not registered? [Create Account](#)



New Account

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

X Walkthrough

Chase Godwin
2 days ago ✓

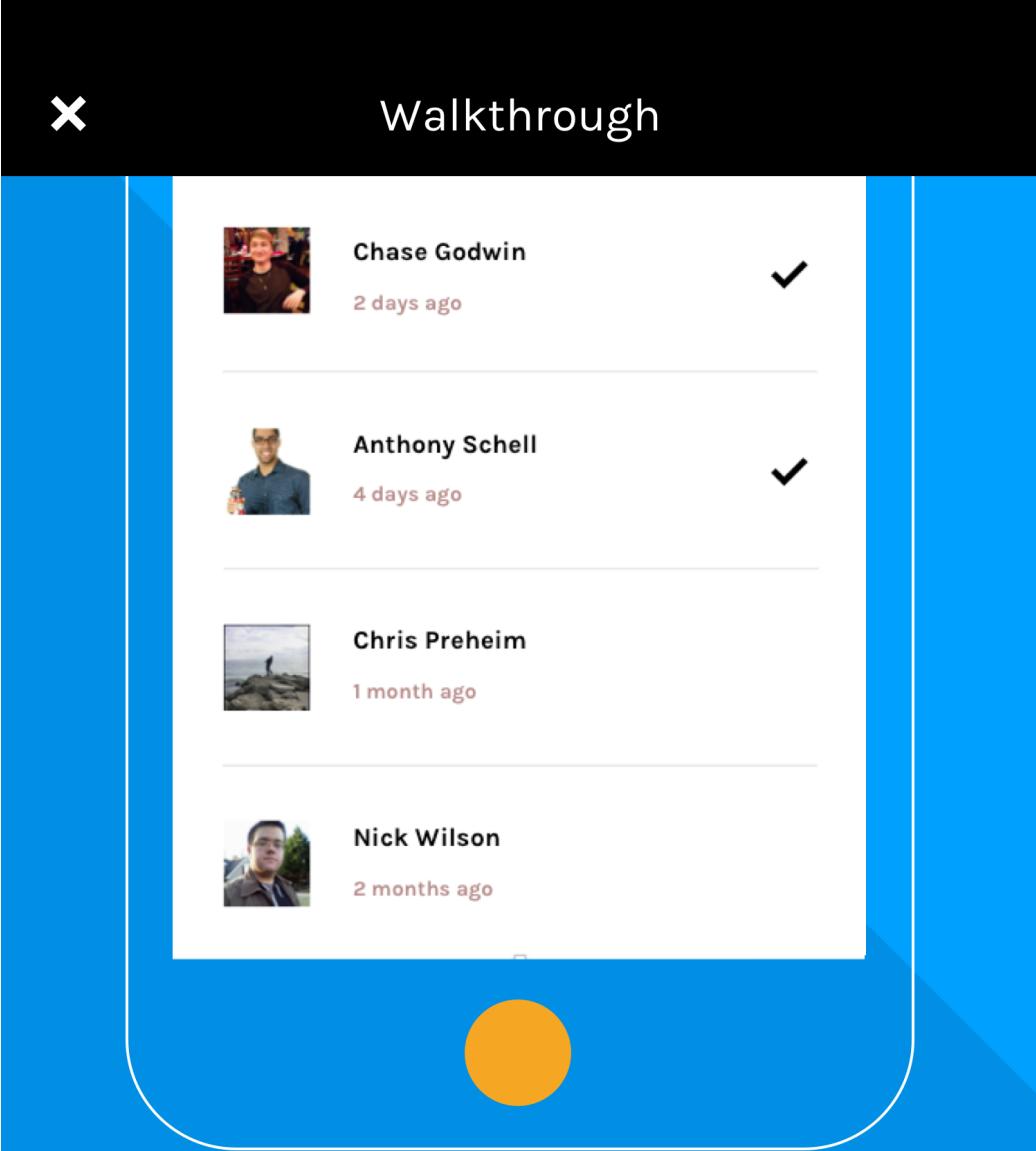
Anthony Schell
4 days ago ✓

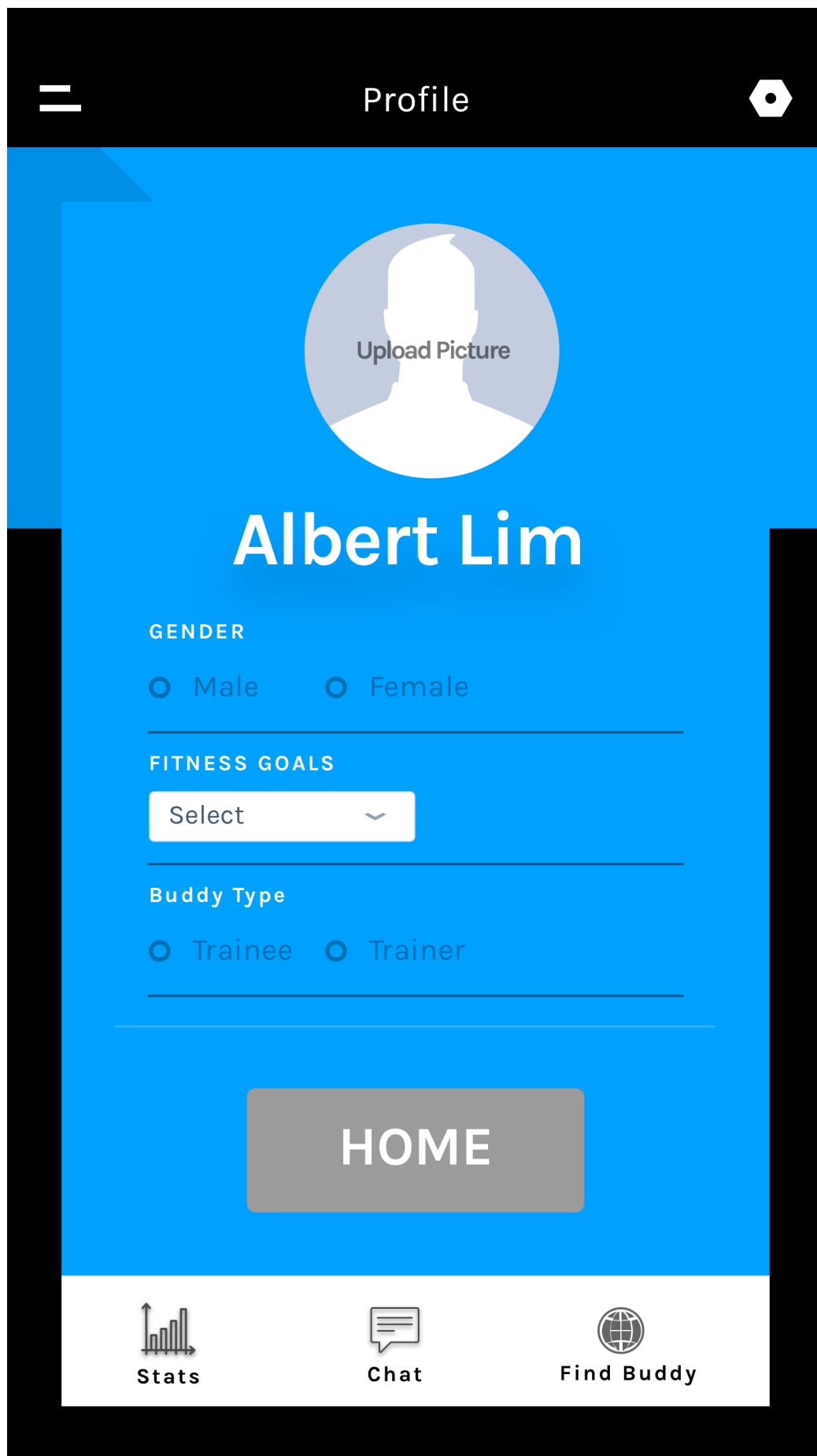
Chris Preheim
1 month ago

Nick Wilson
2 months ago

Minimal & Intuitive Interface

Next →





Profile



Albert Lim

GENDER

Male Female

FITNESS GOALS

Select ▼

Buddy Type

Trainee Trainer

HOME

Stats Chat Find Buddy

Profile



Albert Lim

GENDER

Male Female

FITNESS GOALS

Select ▼

Buddy Type

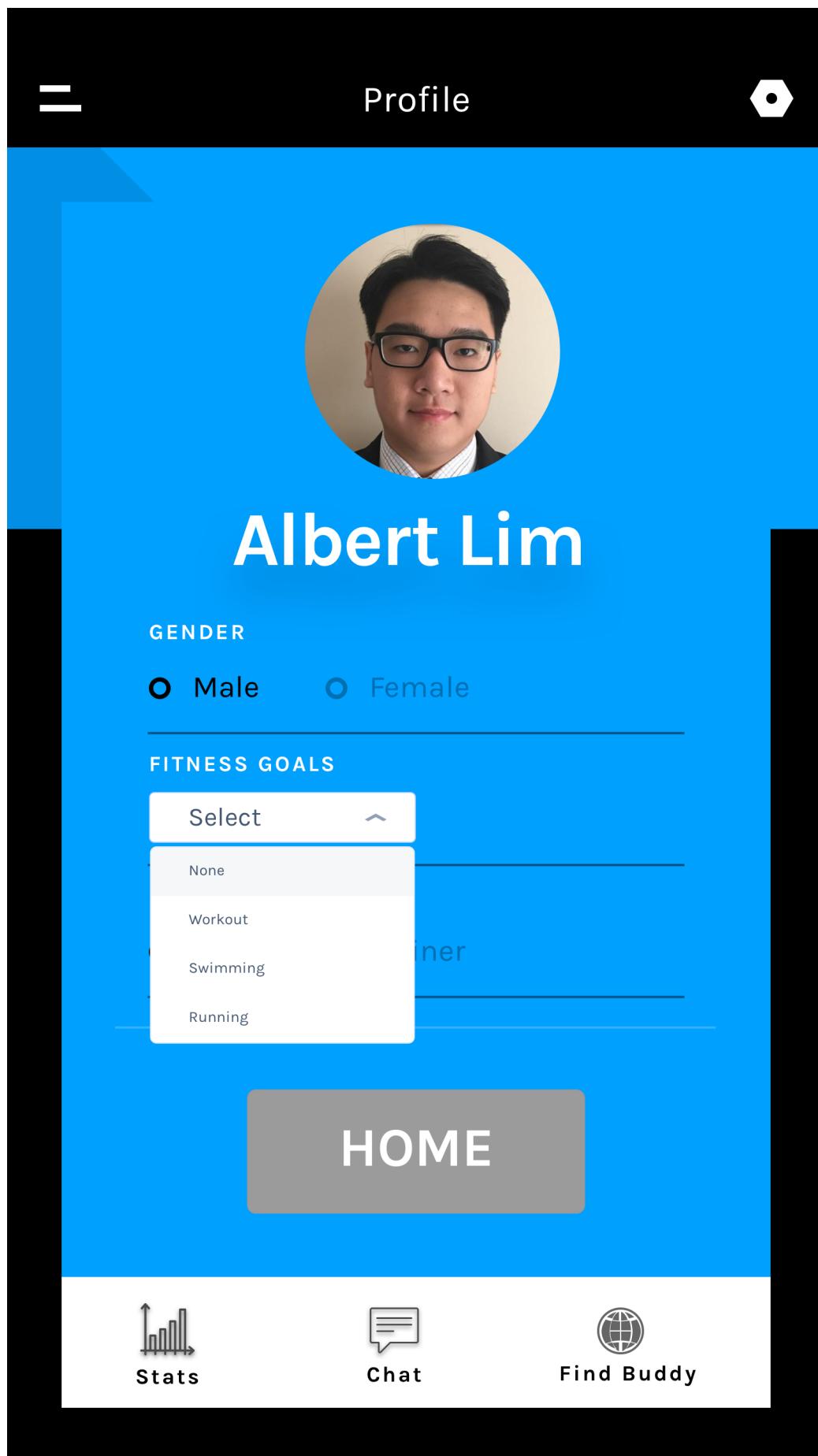
Trainee Trainer

HOME

 **Stats**

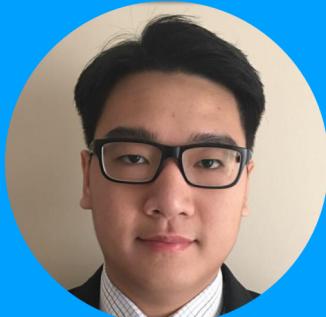
 **Chat**

 **Find Buddy**



The image shows a mobile application profile screen for a user named Albert Lim. The background is blue. At the top center is the word "Profile". In the top right corner is a hexagonal icon with a dot in the center. Below the title is a circular profile picture of a man with glasses. Below the picture is the user's name, "Albert Lim". Underneath the name are gender selection buttons: a blue-outlined circle with a white dot labeled "Male" and a grey-outlined circle with a white dot labeled "Female". A horizontal line separates this section from the next. Below the line is the heading "FITNESS GOALS". To the left of the heading is a button labeled "Select" with a dropdown arrow. A dropdown menu is open, listing "None", "Workout", "Swimming", and "Running". At the bottom of the screen is a large grey button with the word "HOME" in white capital letters. At the very bottom of the app screen are three navigation icons: "Stats" (bar chart), "Chat" (speech bubble), and "Find Buddy" (globe).

Profile



Albert Lim

GENDER

Male Female

FITNESS GOALS

Select

- None
- Workout
- Swimming
- Running

x Workout

HOME

Stats

Chat

Find Buddy

Profile



Albert Lim

GENDER

Male Female

FITNESS GOALS

Select

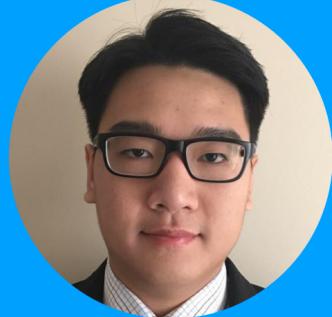
- None
- Workout
- Swimming
- Running

x Workout
x Swimming

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**

Profile



Albert Lim

GENDER

Male Female

FITNESS GOALS

Select ▼ Workout Swimming

Buddy Type

Trainee Trainer

HOME

 **Stats**

 **Chat**

 **Find Buddy**

Profile



Albert Lim

GENDER

Male Female

FITNESS GOALS

Select ▼ x Workout
x Swimming

Buddy Type

Trainee Trainer

4/5

Ratings

Stats Chat Find Buddy

Hi, Albert!

1 NEW MESSAGE



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!

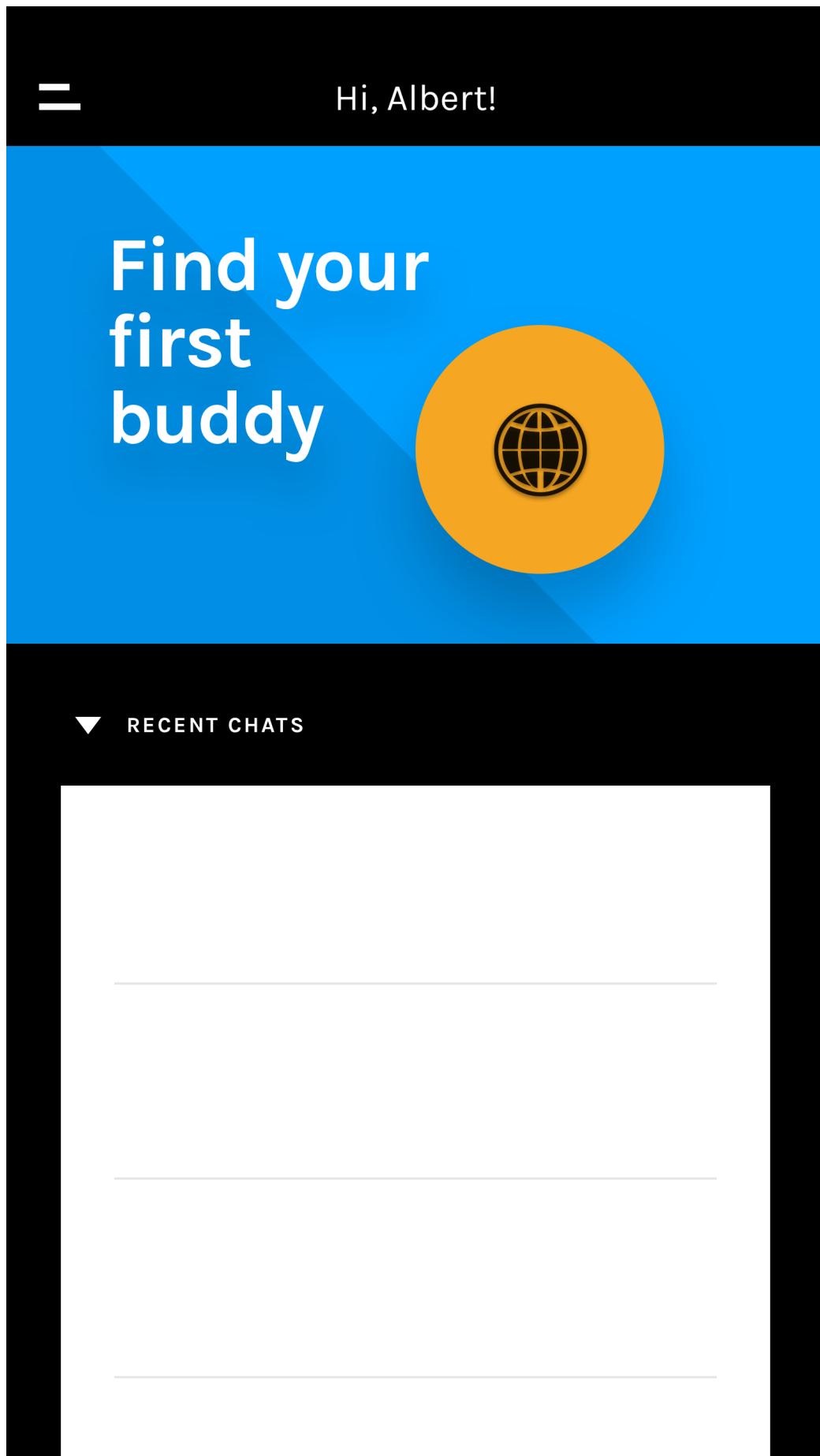


Anthony 4 days ago

Thanks for the great swim!



John 1 month ago





Hi, Albert!

Find your fit buddy



▼ 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!

1 NEW MESSAGE



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 5 minutes ago

New Match!

Chat



Search people...



Patrick

5 minutes ago





Chase

2 days ago





Anthony

4 days ago





John

1 month ago





Nick

2 months ago

◀ Patrick

TODAY AT 10:45AM

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

...

Type message...

◀ Find Buddy

 TODAY AT 3:00PM



Albert
Trainee



Chris
Trainer

Buddy Connected!

Both of you share interests in

- Workout
- Swimming

 Stats

 Chat

 Find Buddy

◀ Find Buddy

 TODAY AT 3:00PM



Albert
Trainee



Andrea
Trainer

Buddy Connected!

Both of you share interests in

- Workout

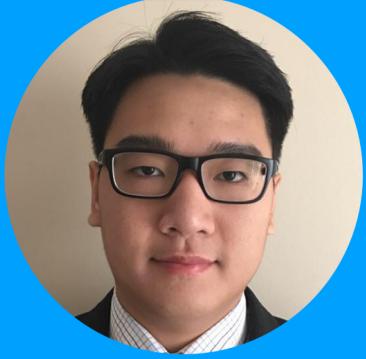

Stats


Chat


Find Buddy

◀ Find Buddy

 TODAY AT 3:00PM



Albert
Trainee



John
Trainer

Buddy Connected!

Both of you share interests in

- Workout


Stats

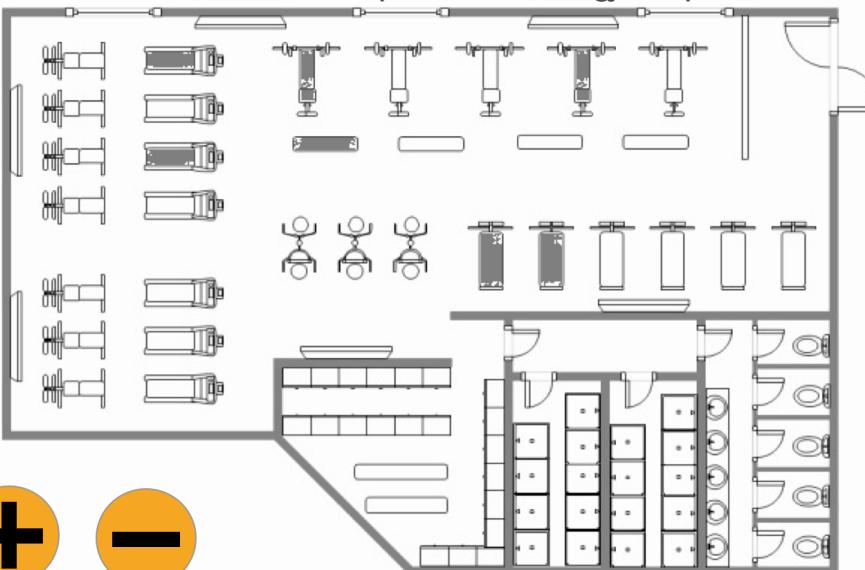

Chat


Find Buddy

Gym Availability

Marietta Campus

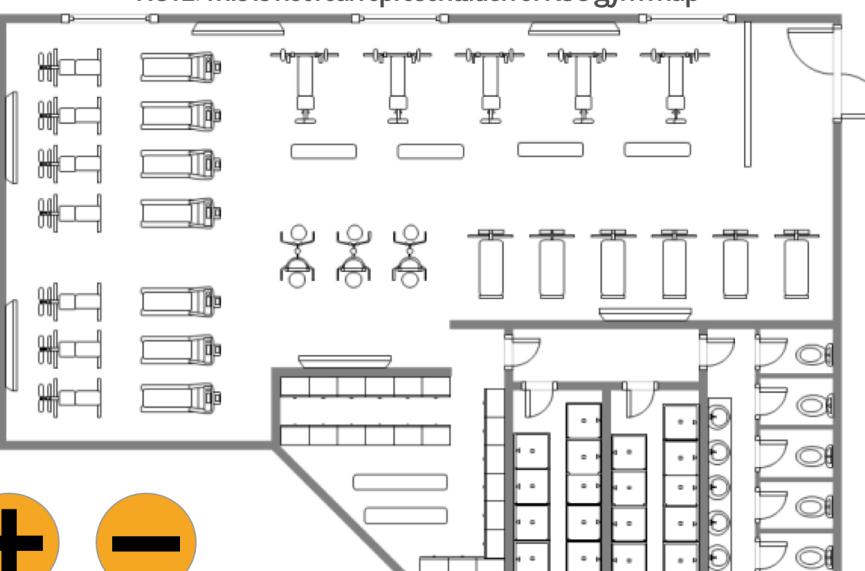
NOTE: This is not real representation of KSU gym map



A floor plan of the Marietta Campus gym. The left side features a row of weight machines and a row of treadmills. The center contains a row of ellipticals and a row of stationary bikes. The right side includes a row of cardio machines and a row of strength training equipment. A large area at the bottom right is filled with rows of lockers. Two orange circular icons with a plus sign (+) and a minus sign (-) are located at the bottom left of the map.

Kennesaw Campus

NOTE: This is not real representation of KSU gym map



A floor plan of the Kennesaw Campus gym. It has a similar layout to the Marietta campus, with weight machines, treadmills, ellipticals, stationary bikes, cardio machines, and strength training equipment. The locker room area at the bottom right is also present. Two orange circular icons with a plus sign (+) and a minus sign (-) are located at the bottom left of the map.

Gym Availability

Marietta Campus

NOTE: This is not real representation of KSU gym map

A schematic map of the Marietta Campus gym floor plan. The map shows various pieces of equipment including weight machines, treadmills, and ellipticals. A large area of machines is highlighted with a gray box. Below the map are two orange circular icons with a black plus sign (+) and a minus sign (-), likely for zooming.

Kennesaw Campus

NOTE: This is not real representation of KSU gym map

A schematic map of the Kennesaw Campus gym floor plan, similar in layout to the Marietta map. It shows the same types of equipment and highlights a specific area with a gray box. Below the map are two orange circular icons with a black plus sign (+) and a minus sign (-).



Home

Profile

Get Buddy

Chat

Stats

Gym Availability

Logout

Albert Lim





Home

Profile

Get Buddy

Chat

Stats

Gym Availability

Logout

Albert Lim





Home

Profile

Get Buddy

Chat

Stats

Gym Availability

Logout

Albert Lim



Settings



UPDATE PHOTO

NAME

Albert Lim

EMAIL

alim5@students.kennesaw.edu

PASSWORD

• • • • •

Push notifications

Email notification

Notification sound

Settings



UPDATE PHOTO

NAME

Albert Lim

EMAIL

alim5@students.kennesaw.edu

PASSWORD

• • • • • •

Push notifications

Email notification

Notification sound

Settings



UPDATE PHOTO

NAME

Albert Lim

EMAIL

alim5@students.kennesaw.edu

PASSWORD

• • • • • •

Push notifications

Email notification

Notification sound

Settings



UPDATE PHOTO

NAME

Albert Lim

EMAIL

alim5@students.kennesaw.edu

PASSWORD

• • • • •

Push notifications

Email notification

Notification sound

