

Requirements for C7Fit iOS Application

Core Requirements

1. The application shall support iOS versions 9 and 10.
2. The application shall support Phone portrait mode.
3. The application shall have 5 tabs for primary navigation. The five tabs will be Home, Personal Trainer, Classes, Activity, and More.
4. The tabs shall have text and a graphic to describe them.
5. The application pages shall use cells to display the content areas.
6. The application shall use HTTPS services calls with the MindBody API.
7. The application shall store local data using core data.
8. The application shall be written using the Swift programming language.
9. The application shall have a sign in option on the main title bar.
10. The sign in feature shall be in the top right corner on all tabs.
 - a. Selecting sign in will launch a modal dialog. The modal dialog shall have options to enter a username and password, Done button, Cancel button, and Register link.
 - b. The Username field shall bring up the keyboard to enter the password.
 - c. The Password field shall bring up the keyboard to enter the password, and hiding the characters entered.
 - d. The done button shall attempt to sign in the user.
 - e. If there is no network connection the or it could not sign in the user an error message will be presented.
 - f. The cancel button shall close the modal login dialog.
 - g. The register link shall launch the safari browser to the MindBody registration site.
 - h. If the user is signed in the user name shall be displayed in the upper right corner.

Home Tab

1. Today Schedule

- a. The today schedule shall have a title Today Schedule.
- b. The today schedule shall have a list of classes that are scrollable.
- c. If the user is signed in the list of class shall be what that user is enrolled in from the MindBody api.
- d. If the user is signed in and they do not have any classes for the current day a message will be displayed not classes today.
- e. If the user is not signed in the classes will be a list from the MindBody api of the current day's classes.

2. Today Workout Video

- a. The cell shall contain a Youtube video.
- b. The video links shall come from a static file saved in the Github repo.
- c. The video shall be cycled through one per day from the file.
- d. Selecting the video on the cell shall launch the Youtube player in fullscreen.

- e. The Youtube player shall have the options to pause, stop, play, and close the player.
 - f. If the player is closed the user shall be returned to the home page.
- 3. Today Motivation**
- a. The cell shall contain a motivation text phrase.
 - b. The phrases shall come from a static file saved in the Github repo.
 - c. The phrases shall be cycled through one per day from the file.
- 4. Trainers**
- a. The trainers cell shall say Personal Trainers.
 - b. The cell shall have a carrot to the right indicating that the cell will lead to a new screen.
 - c. The trainers screen shall be a list of trainers from the MindBody api.
 - d. Each trainer section shall have a picture, Name, and Bio of the trainer.
 - e. The trainer screen shall be scrollable.
- 5. Store (Stretch Goal)**
- a. The store screen shall use the public eBay api.
 - b. The store screen shall be a list of products returned when searching for C7Fit.
 - c. The store screen shall provide a picture, and description of the item.
 - d. The store screen shall have a link to buy the product.
 - e. The buy product link will be a URL that will launch to the eBay site.

Personal Trainer Tab

1. The personal trainer screen shall be divided into two sections.
2. The top section shall have a title Personal Training.
3. The top section shall have a list of personal training classes from the MindBody api.
4. The bottom section shall have a title Sports Training.
5. The bottom section shall have a list of sports training classes from the MindBody api.
6. Each class shall be tappable.
7. Tapping on a class shall launch a new screen.
8. The new screen shall have a title Personal Training (2) and a left caret.
9. Tapping on the left caret shall navigate back to the Personal Trainer main screen.
10. The personal training 2 shall have content about the selected class.
11. The class information displayed shall be Location, Training Title, and a section to pick a trainer.
12. The pick a trainer section shall be a list of trainers from the MindBody api.
13. Each trainer in the list shall have a picture, name and right caret indicating there is more information.
14. Pick a trainer screen shall have a title Pick Trainer and a right caret.
15. The pick trainer screen shall have a section about the trainer including Picture, Name, and Bio.
16. The pick trainer screen shall have a button to view availability which will navigate to a new availability screen.
17. The availability screen shall have a title Availability and a right caret.

18. The availability screen shall have a section that indicates the training title and trainer name.
19. The availability screen shall have a calendar that allows you to pick a day.
20. Once a day is selected the availability screen shall show a list of times.
21. The times for each day shall be provided by the MindBody api.
22. If a time is selected the user shall navigate to the booking screen.
23. The booking screen shall have a title Book and a right caret.
24. The booking screen shall list Training Title, Trainer, Date, and Time.
25. The booking screen shall have a button to Book.
26. The book button shall take the user to a booking modal.
27. The booking modal shall have a Confirm, Cancel, and Add to Calendar option.
28. The booking modal Confirm shall book the class for the user through the MindBody api.
29. The Cancel button shall close the modal and return the user to the previous booking screen.
30. The add to calendar shall use the iOS calendar SDK to add the event to the users phone calendar.

Classes Tab

1. The classes screen shall have two sections.
2. The top section shall be a calendar picker.
3. The calendar picker shall allow the user to select a single day.
4. The bottom section shall be a list of classes from the MindBody api.
5. The bottom section shall have a title Classes.
6. Each class in the list shall indicate class name and time.
7. Each class shall have a button to book the class.
8. When a user selects the book button a modal dialog shall appear.
9. The modal dialog shall have a title Book.
10. The modal dialog shall have a button to confirm.
11. If the user confirms the class will be booked for that user.
12. If the user confirms and the add to calendar is selected the event will be added to the calendar on the user device using the calendar sdk.
13. The modal dialog shall have a cancel button.
14. If the user taps the cancel button the modal dialog will close.

Activity Tab

The activity tab screen will be a collection of tools, user activity, and health results.

1. Today Activity

- a. The top section of the Activity Tab shall have a title Today Activity.
- b. The content in the today activity section will include steps and active time from the Health Kit SDK.
- c. If the user does not have a profile on Health Kit SDK then a message will be displayed to the user . "To get activity go to health app on your phone"

2. Workout Tools

- a. The section session shall have a title "Workout Tools"
- b. There will be three tools in this section.
- c. The first tool will be stop watch.
- d. The stopwatch cell shall have text saying "Stop Watch" and shall have a right caret.
- e. If the user taps the stopwatch cell a new screen shall be started.
- f. The stopwatch screen shall have a title Stop Watch and a left caret.
- g. If the left caret is selected the user will be returned to the activity tab.
- h. The stopwatch screen shall have a timer.
- i. The stopwatch screen shall have a Start button that starts the timer.
- j. The stopwatch screen shall have a Stop button that stops the timer.
- k. The time shall remain on the screen until the user taps the start button again.
- l. The second tool will be countdown time.
- m. The countdown cell shall have text saying "Countdown Timer" and shall have a right caret.
- n. If the user taps the countdown cell a new screen shall be started.
- o. The countdown screen shall have a title Countdown Timer and a left caret.
- p. If the left caret is selected the user will be returned to the activity tab.
- q. The countdown screen shall have a timer.
- r. The countdown screen shall have an option to select a timer duration.
- s. The countdown screen shall have a Start button that starts the timer.
- t. The countdown screen shall have a Stop button that stops the timer.
- u. The time shall remain on the screen until the user taps the start button again.

3. Map

- a. The map screen shall have a title saying Map and a right caret.
- b. The map shall use the Mapkit SDK.
- c. The map shall show map with current location.
- d. The map shall a Start Activity - have a start activity option.
- e. The map shall a Track Activity - track activity to record the track and draw it on the map.
- f. The map shall a Finish Activity - stop the activity.
- g. The map shall a Activity Details - Time and Distance for activity.
- h. The map shall a Save Activity - Save locally on device in core data with time as title.
- i. The map shall a View an Activity - Stretch goal to remap an activity.

4. Test Results

- a. The test results section shall list all current recorded results.
- b. The test results section will have an edit option.
- c. The edit option will launch a new screen that list the test results and allows the user to enter the correct data.
- d. Test results will include: Mile Time, Number of Push Up in a Minute, Number of Situps in a Minute, Leg Press, Bench Press, Lat Pull.

More Tab

1. The more tab shall display the signed in users profile.
2. The elements that will be displayed include picture, name, and current info from the MindBody api.
3. The more tab shall have a section to ask a trainer a question.
4. There will be the ability to select a trainer from the trainer list in MindBody api.
5. There will be a button to Ask the trainer.
6. When the user selects the Ask button a new email will be opened using the device email SDK.
7. The TO: field will be populated with the C7Fit email.
8. The Subject field will be populated with the Trainer name and Question.
9. The User will be able to enter content into the body.