

MyCampusGym Requirements Specification

1. Software Requirements

1.1. MyProfile

1.1.1. Accounts

1.1.1.1. As a user, I need to be able to create an account and select my School/Organization/Campus so that I can save my profile information and view relevant classes, buddies, and posts.

1.1.1.1.1. As a user, I need to be able to sign up using an email address and password so that I can have a tailored experience.

1.1.1.1.2. As a user, I need to be able to enter my name and organization/campus/school during the sign up process so that my experience can be customized to me.

1.1.1.1.3. As a user, I need to be able to enter my email address and password to login to access my account.

1.1.2. MyJournal

1.1.2.1. As a user, I need to be able to record the details of my workout (such as length of workout, what exercises were done, and my daily nutrition intake) so that I can track my progress.

1.1.2.1.1. As a user, I need to be able to select “Record Workout” and fill out information about my workout to keep track of what I have completed.

1.1.2.1.2. As a user, when I select “Record Workout” I need to have a field to record the start and end time of my workout.

1.1.2.1.3. As a user, when I select ‘Record Workout’ I need to have a button to ‘Add Exercise’ to my workout.

1.1.2.1.3.1. As a user, when I ‘Add Exercise’ I need to be able to complete a field with the name of the exercise I did was so that I can go back and see what exercises I did during a specific workout.

1.1.2.1.3.2. As a user, when I ‘Add Exercise’ I need to be able to fill in a field to indicate how many sets/reps/weight or minutes I did of an exercise so that I can track improvement on my exercise.

1.1.3. MyPlan

1.1.3.1. As a user, I need to be able to select my workout plan from professionally provided workout plans, so that I can begin to build a baseline knowledge of what I will be doing during each workout.

1.1.3.2. As a user, I need to be able to set goals (for the month/year), so that I can assess my progress towards meeting those goals.

1.1.4. MyRewind

1.1.4.1. As a user, I want to be able to see data about my completed workouts so that I can determine my progress towards my goals and adjust accordingly.

1.1.5. MyHealth

1.1.5.1. As a user, I need to be able to record data about my current health (weight, height, body mass index, [etc.](#)) so that I can view real-time progress in MyRewind.

1.1.5.2. As a user, I need to be able to connect an InBody device so that my health statistics can be automatically recorded in MyCampusGym.

1.2. MyFitness

1.2.1. Classes

1.2.1.1. As a user, I want to be able to see what classes are upcoming and happening now at my facilities so that I can plan when I want to go to the gym.

1.2.1.2. As a user, I want to be able to reserve a spot in the class so that I can be sure I will be able to attend the class if it is popular and I don't have to skip a workout.

1.2.2. Occupancy

1.2.2.1. As a user, I want to be able to know how busy the gym is, so that I can plan to go at a time when I will be able to get my workout done.

1.3. MyBuddies (requires MyPlan)

1.3.1. Pairings (Recommended Matches)

1.3.1.1. As a user, I want to be able to find others with similar plans via the MyBuddies features, so that I can work out with others and be held accountable.

1.3.2. Group Meet

1.3.2.1. As a user, I want to be able to connect with others, so that I can workout alongside them in or outside the gym.

1.3.3. Messaging

1.3.3.1. As a user, I want to be able to message others with similar workout plans, so that I can possibly workout with them as I try to reach my personal goals.

1.4. MyMentor (requires MyAssessment & MyPlan)

1.4.1. Matching Algorithm

1.4.1.1. As a user, I want to be able to find a mentor whose workout plans are accessible to me given my physical ability/limitations, so that I can build upon or start towards my goals.

1.4.2. Messaging

1.4.2.1. As a user, I want to be able to message MyMentors, so that I can get advice or have workout plans tweaked in order to suit my current abilities.

1.5. MyFeed

1.5.1. Campus Forum

1.5.1.1. As a user, I want to be able to post to a forum so that I can ask questions about workout ideas, form, etc.

1.5.1.2. As a user, I want to be able to comment on posts from other users at my campus so that I can help to answer questions or offer suggestions to their workout questions.

1.5.2. Builder Feed

1.5.2.1. As a professional trainer, I want to be able to post fitness information so that users can utilize updated information when they workout.

1.5.2.2. As a user, I want to be able to see posts from professional trainers so that I can find expert answers to my workout progress.

1.5.2.3. As a user, I want to be able to comment on posts from professional trainers so that I can ask questions and get clarification about fitness information.

2. Performance Requirements Section

2.1. Application Launch in Less than 5 Seconds

2.1.1. The application should launch when initially opened and display the first View within 5 seconds.

2.1.2. If this does not occur, a loading icon should launch to show the user that there is action occurring.

2.2. Data Load in Less than 3 Seconds

2.2.1. The application should display data from Firestore Database within 3 seconds of the user navigating to the view.

2.2.2. If this does not happen for any reason, whether it be the internet connection or a database issue, an error message should be displayed to inform the user of an unexpected delay so that the user is not unsure of the applications operation.

2.3. Unexpected Error Handling

2.3.1. If at any time the application experiences an unexpected or unhandled error, the application should display an error message to avoid an unknown crash.

3. Environment Requirements Section

3.1. Software Version 18.0 or Later

3.1.1. To install and run MyCampusGym, a user must have a device with iOS 18.0 or later.

3.2. Available Memory above 25 MB

3.2.1. To ensure successful installation, a user must have at least 25 MB of available memory.

3.2.2. All other data is downloaded to the app at runtime and does not require device memory beyond installation and runtime RAM.