

FOR FIT

Development requirements:

- Run on os backwards compatible up to 2 years : kit-kat.
- Time is based on Eastern Standard Time
- User Registration requirements.
 1. Username
 2. Phone number
 3. E-mail
 4. Password
- Persistent data: database stuff - firebase database thing
- Challenge search options.
 1. By start date
 2. By coach
 3. By open teams within a challenge
 4. Difficulty
- User accounts set to privacy setting : private on creation.
 - Privacy: profile visibility/details
- Two account types: Coach and Athlete
- Coaches and athletes will have the option to create a profile page that contains additional information that includes
 1. Gender = m/f/prefer not to say
 2. Age
 3. Height
 4. Weight
 5. Fitness level
 6. Basic bio
- Athletes must enter all required exercises for challenge to be completed (no half-finished)
- Athletes are allowed to enter a completed exercise for up to 24hrs in the past.
- Notify user when a crash occurs and have them re-enter data.
- User accounts can be reset to defaults.
- User accounts can be deleted by that user's request.
- After registration, verification must be done through either email or text/phone.

Athlete capabilities:

- Athlete Privileges
 - Join challenges
 - Create Team
 - Join Team
- Once a challenge has been started, registration for the event will be closed.
- User can withdraw from challenges before completing them.
- Opt into features:
 - Teams for challenges
 - Cannot switch teams
 - Can be on different teams for different challenges
 - Randomly added to team for challenges
 - *Notification settings?*

- Users manually enter their exercises.
- User search by username/email.
- Athletes can rate challenges, BUT only athletes that finished a challenge can rate it.
- Need to be able to drop out of a failed challenge and have it deleted from their account.
- Need to be able to log that a challenge has been completed
 - Must be done within 24 hours after the last day of challenge.
- Must have the capability to participate in multiple challenges.

Coach capabilities:

- Coach privileges
 - Create challenges
 - Push notifications to athletes that have accepted their challenges.
- Coaches determine when setting up a challenge to what constitutes failing or success.
- Coaches determine the size of teams for their challenges.
- Coaches can set the difficulty of a challenge.
- Coaches can choose to use same/different exercises each day of challenge
- Coaches CAN NOT modify challenges once they have started.
- Can create a challenge up to 6 months into the future
- Coaches CAN NOT remove Athletes from their challenges
- Coaches have basically free reign over what is in a challenge.
- (Optional) Coaches can create private challenges, and choose the Athletes they're for.
- Coaches can view info of every user subscribed to their challenge:
 - Username
 - Email
 - And all public information. (Bio, Weight, Gender)

Stylistic things:

- Point system/Leaderboards
 - Badge or form of recognition for completing a number challenges
 - Leaderboards are both for individual users and for teams.
 - Leaderboards for all users registered
- Friends List
- Design our own logo (For Fit)
- On completion of a challenge the user will be shown a reward image.
 - simple animation
- Athletes should have the ability to customize their profiles
 - Colors
 - Short bio
 - Profile picture
- Design of how coaches post challenge are up to the designers.

Functionality:

- No Limit to number of challenges athletes can accept.
- No Limit to number of challenges coaches and post.
- Challenges can have leaderboard ranked by top team, or top Athletes.

- Disclaimer message about risks of physical activity on app start-up.
- (Optional) Messaging System between Athletes and Coaches
- (Optional) Phone Sensors used in tracking
- Teams are not permanent and can change by each challenge, but a history of what teams you have been on needs to be present.
- Teams must be scored based on total team participation. The score can either be an average or total, this is defined during the creation process by the coach.
- Daily 8pm notification should tell the user which challenges that have not logged data for.