Nuclei

Sports Training Hub

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Problem Diagnosis

In the world of sports training the problem that exists is that there is no singular, universal hub that provides all the different software necessary for all involved user groups. Managers, trainers, and trainees have a hard time finding ideal pairings with one another and dont have the means to review each other's strengths and weaknesses regarding sports training/teaching. Organizations possess different views on the value of ongoing software support, resulting in a disparity between management tools. Some managers may have to use outdated tools to manage their trainers, as the software available to them is dictated by their affiliated organization. A trainer lacks the tools needed to excel in providing personal training. Trainers currently require the use of multiple resources to manage their training. They need to advertise and find new trainees through social media sites or other means, need to use their own calendar and messaging system to do their scheduling, and lack a way to give feedback to their trainees which may be useful for future trainers. Trainees, like trainers, also struggle with the burden of having to use multiple resources in different places to find, schedule, and provide feedback for lessons.

Proposed Treatment

Our proposed software will address these issues by consolidating every user group under a common platform. A universal training hub for all involved users and organizations will reduce the amount of individual software customers need to manage, leading to less time spent in logistics related to scheduling and advertising. Trainers and managers will have a singular platform for managing their business operations, advertising their services, scheduling their lessons, and establishing a good reputation. Users seeking training will be able to find the most suitable trainer for their needs. By offering managers, trainers, and trainees an easy integration into the training ecosystem, they are more likely to establish personal connections with each other. As a result, trainers and trainees will be able to place greater focus on their training quality.

Current scheduling software often used in educational sectors lack a two-way evaluation system which is crucial for trainers and trainees to ensure they are providing/getting the best training possible. The implementation of a dual feedback system in our software allows trainers and trainees to more closely evaluate their training habits outside of scheduled meeting times within the same application. It also enables them to communicate without disclosing private contact information, which is more likely to occur when multiple platforms are involved. Similarly, freelance service software provides a platform for independent businesses, but does not possess the organizational and communication tools a user undergoing training may demand. Our software will provide these tools using easability as our primary metric. To users, these tools should feel intuitive and easy to understand to streamline their own management.

User Groups

There are three primary user groups for our proposed software: ***Manager***, ***Trainer***, and ***Trainee***. Based on the user group, some software features will display different information or have different functionality.

Software Features

Dashboard Interface

Our users will have a dashboard interface which allows them to navigate all the provided tools, access account settings. The Dashboard will be similar yet different for our three user groups. All three groups will have a profile icon, account settings, profile settings.

Manager
- Section for list of trainers and their scheduled training
- Section to create/view training camp
- Section to create a "classroom" for trainer
- Section to view calendar

Trainer
- Section for list of trainees
- Section to create training session
- Section to create a "classroom"
- Section to view calendar
- Section to make a post

Trainee
- Section for progress
- Section to find a trainer
- Section to view current trainer
- Section to view calendar

Different Profile Types

After account creation users are to create their profile. In profile selection they can choose between which user group they belong too: Manager, Trainer, or Trainee. Users are able to create multiple profiles.

Manager
- Either an organization managing multiple trainers

- List of trainers
- Events happening on certain time

Trainer
- Resume of qualifications
- Time Availability
- Specify type of instruction (small group / large group / one-on-one)
- Coaching Style (Entree / Experienced / Pro)

Trainee
- Sports they would like training in
- Times wanted/available for training
- Preferred instruction specification
- Experience level

Scheduling System

Users of all user groups will be able to use our system to schedule and keep track of their lessons. All user groups will be able to set up lesson appointments with each other and will have a personal calendar to help give them a visual of their schedule.

Personal Calendar
- Displays schedule and or upcoming sessions
- Updates when training sessions are created/changed
- Disallow overlapping training sessions

Manager
- Can create private one-on-one training sessions with specified trainee and specified trainer(s)
- Can create private group training sessions with a specified amount of trainees with a trainer(s)
- Can create public one-on-one training sessions with any willing trainee's and a specified trainer(s)
- Can create public group training sessions with a specified amount of trainees and a specified trainer(s)

Trainer
- Can create private one-on-one training sessions with specified trainee
- Can create private group training sessions with a specified amount of trainees.
- Can create public one-on-one training sessions with any willing trainee
- Can create public group training sessions with a specified amount of trainees.

- Training sessions that are filled with at least 1 trainee are automatically added to calendar

Trainee
- Can view training sessions posted by trainer
- Can enroll in training session and automatically add session to their calendar

Notification System

Users will receive notifications when there are any changes related to their account.

Examples
- Join and accept requests for a manager's trainer list will raise notifications between them.
- When a manager removes a trainer from their list, the trainer will receive a notification.
- Likewise, a manager will receive a notification if a trainer manually leaves their list.
- Between trainer and trainee, they will send notification to the other side if they request to join or accept to join the schedule.
- A trainer will be notified when a scheduled time-slot reaches max capacity.
- A trainer will be notified if a trainee withdraws from a training time-slot.
- When a trainer creates a new group post, all trainees in the group will receive a notification.
- Direct messages will send notifications to the involved parties.

Dual Feedback System

Trainers and trainees can leave a review on each other. Trainees can rate trainers on coaching ability, pure skill, and satisfaction. Additional text feedback can be written for any extra explanation needed. Trainers can rate trainees on training summary and satisfaction. Training summary includes what the trainer has taught the trainee and at what level. Additional text feedback can be written for any extra explanation needed. Trainers and trainees can show their previous trainees and trainers respectively.

Trainer
- Rated on coaching ability, skill, and satisfaction
- Show previous trainees
- Additional text feedback

Trainee

- Rated on training summary and satisfaction
  - Learning ability -> training summary: shows proficiency or amount learned during last training session
- Show previous trainers

- Additional text feedback

Direct Messaging System

Managers, Trainees, and Trainers can send direct messages to each other. This is to privatize any communication made in between without having to go through the classroom, which would be public to anyone within the classroom.

Classroom System

A way for a trainer who has multiple students either working under similar things or as part of a larger group/event to combine their lesson plans into a "classroom" type environment.

- Trainers can invite multiple students to a classroom
  - A trainer can have multiple classrooms
- Trainers can submit drills, exercises, or study material for their students
- Trainees can post questions or comments