PROJECT PROPOSAL

TrainE

Prepared By: Development Hell

Class: CECS 491-04

Date: September 13, 2022

Version Number: 2

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# Overview

Trying to gain personal skills in our busy modern world is an extremely daunting task. This is not only because of the time commitment and the confusion going through the process of practicing and training but the time commitment that goes into researching, organizing, communicating about, and scheduling the plans for working on these skills. At the same time, freelance teachers of all sorts, whether it be dance instructors, guitar teachers, personal trainers, or more, oftentimes have issues coordinating and planning each of their sessions, maintaining schedules with each of their clients, and communicating changes in plans or updates on progress.

# Project Description

### Value

Ease and streamline the overall learning process for individuals who want to learn or expand a new subject, and for those who teach those subjects

1. Combine the most unnecessarily complex components of trying to find a trainer (availability, quality, communication, etc.)
2. All-in-one scheduler of patron-trainer plans to prevent miscommunication and frustration while also encouraging steady progress towards an end goal

### Project Scope

#### Application Type

Single - Page Web Application

#### Supported Culture

* Language: U.S English (en-US)
* Unit: Imperial System (en-US)

#### Supported Client

Chrome 104.x (64 bit)

#### Target Audience

TrainE’s first iteration will serve internet users with constraints as following:

1. California resident
2. Age of 14 and older

More specifically, there are 2 sets of audience can find TrainE useful:

1. Trainers: who provide specific plans for their training services such as dancers, personal trainers, hobby instructors, etc
2. Patrons: who seek for a realistic plan, a motivating coach, and tools to keep them accountable in reaching their end goal.

### Product Scope

TrainE as a complete application will include the following features and their scope

#### Common Components

1. Authentication features: The first requirement for users to utilize the app
   1. Login with an existing account.
   2. Logout of the current account
2. Authorization features: Allow different levels of accessibility
   1. User Access Control (UAC)
3. Logging features: Support development team in the process such as action history, debugging, user support
4. Log archiving: Offload the aged database to save room for the newer one
5. User management: Allow users to self-serve some basic features
   1. User registration:
      1. Require a valid email
      2. Require to set a password
   2. Account recovery when users forget password or need to reset password
   3. Account deletion when users want to terminate their usage from the app
   4. Update profile
   5. Update permission (update UAC) to set more/less access privilege
6. Error handling protocol for:
   1. Invalid input
   2. Runtime error guarding
   3. Display warning/message for users when error occurs
7. Analytic dashboard to track user traffic, features’ performance

#### Specific App Features and Scope

1. Profiles for both patrons and trainers: Keep account types clear and easy for individuals to differentiate.
   1. Two different account types for patrons and trainers
   2. Customizable profile page
   3. Availability
   4. Viewable trainer plans
   5. Button to report a user when viewing their profile
2. Connect with a trainer: The use of multiple methods allows for a more user-friendly transition into the app, depending on a patron’s preference.
   1. Search for a trainer
   2. Invite code
   3. Goal affiliation suggests a trainer
3. Plan Management: Eases the process of creating long-term plans through segmentation and division of time and progress.
   1. Event creation
      1. Modifiable template
      2. Unique to patron
   2. Milestone Creation
4. Unified calendar: Creates an easier and more effective method of viewing, filtering, and managing upcoming events between multiple trainers and patrons.
   1. Patrons can see all of their trainers’ plans
   2. Trainers can see all of their patrons’ plans
   3. Session scheduling
   4. Import/export calendar
   5. Filtering calendar to specified plans
   6. List view of upcoming events
5. Progress tracking: Allows for smooth coordination, minimal friction between patron and trainer, and a way to monitor the progress towards their eventual goal.
   1. Overall goal
   2. Creating and editing milestones
   3. Patron and trainer agree on changes to goal timeline
   4. Progress on each milestone
   5. Marks of success for each milestone (being able to do some smaller task)
   6. Comments on previous sessions
6. Rating systems: Increases comfort of patrons and trainers in their search and creation of new patron-trainer relationships.
   1. Patrons will be able to rate/comment on their trainer's profile after their first session
   2. Trainers will be able to rate/comment on their patron's profile
7. Messaging: Streamlines the process of coordinating, planning, and executing patrons’ plans.
   1. Establish contact between patron and trainer and discuss options
8. Notifications: A common necessity for a scheduler in order to keep users up to date
   1. Configuration of notification methods
   2. All plan changes, messages, and notifications will display here

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# Competitors

* **Acuity Online Appointment Scheduling** (<https://acuityscheduling.com/>)

Acuity is a service used to create a digital scheduling planner on a day to day basis. With a mobile and web view, clients are able to book appointments directly with people selling a service. The app itself acts as a middleman and provides tools for creating custom business profiles with appointment openings to advertise to clients interested in their service. With personalization in mind, TrainE primarily caters towards clients looking for a more personalized plan. By providing customizable templates for tracking the progress prepared for each client as well as integrating tools within the communication channel between the client and the trainer, it creates a more specialized experience for clients.

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# Delivery Timelines

Part A of the project timeline is as follows:

| Initial Request for Proposal | 09/07/2022 |
| --- | --- |
| BRD, HL Design, Project Plan | 10/08/2022 |
| Network Diagram, LL Design, Registration, Logging | 11/12/2022 |
| Authentication, Authorization, Account Recovery, BoM | 12/17/2022 |

Part B of the project timeline will be provided upon TBD

# Vision

Although geared towards small-business owners and individual users in its current iteration, we hope to eventually expand our target market both nationally and globally. In order to prepare our application for such an expansion, we believe an increase in both resources and features will be required. It is to that goal that we plan to implement the following improvements listed below once a stable version of our app has been delivered.

1. Upscaling:
   1. Adapt to more clients (Safari, Firefox)
   2. Adapt to mobile device platforms by upgrading UX/UI team/tools
   3. Scale our servers based on the growing audience
   4. Expand our market towards a larger international audience through adding different language support
   5. Provide a customer support page to provide answers to common questions and for company contact details
   6. Set up a (auto) moderation service with moderation tools
2. New features:
   1. Integrate other communication apps (ie. Zoom) to support virtual training, meetings right in the app
   2. Integrate a booking system where patrons can schedule and connect with the instructors
   3. Payment system integration with PayPal/Amazon pay/Google pay
   4. Subscription tiers for trainers with unique features and tools to better personalize their profiles and experiences with their clients
   5. Expand to having organization profiles where companies can use the app as a tool for their trainers to manage their patrons
3. Revenue streams:
   1. Charge a service fee for each transaction in the app to strengthen booking confidence between users.
   2. Offer different paid-for packages to access more quality-of-life features in the app
   3. Offer ads-based priority search for trainers

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# References

<https://acuityscheduling.com/> - temp

Project Proposal: development team makes this -> confirm with the client

* Cover page:
  + Name of doc
  + Team name, members
  + Date
  + Link to this document (github repo)
* Table of content
* Glossary
* Version history
* Introduction/Overview/Summary
* Headings
  + Target Audience
  + Value
  + Problem Scope
  + Competitors: why we're better?
  + Project Scope
  + Product Scope
  + Product Features and Scope (parameter)
  + Vision:
    - Upscale
    - Additional features (scope and benefits to the project's goal)
* References