Vision and Scope Document

YogaCenter Web Application

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# Business Requirements

* 1. Background
* YogaCenter that had been serving the community for years. The center had gained a reputation for its serene ambiance, experienced instructors, and a wide range of yoga classes. However, as the demands of the modern world increased, the YogaCenter realized the need for technological advancement to better serve its trainees and expand its reach. The owners and staff of the YogaCenter gathered together to brainstorm ideas on how they could leverage technology to enhance their offerings. They recognized the importance of a web application that would provide convenience, accessibility, and a seamless experience for their students.

## Business Opportunity

* By developing a web application for YogaCenter, there is an opportunity to expand the reach of the center beyond its physical location. The web application can attract a broader audience, including individuals who may not have access to the physical center or prefer practicing yoga from the comfort of their homes.
* Many trainees have requested a system that they can register class and track their schedule, this will help students have a convenient experience.
* Integration with E-commerce, the web application can incorporate an e-commerce component, allowing YogaCenter to sell yoga-related products, merchandise, and online courses. This additional revenue stream can contribute to the financial sustainability and growth of the center.

## Business Objectives

BO-1: Expand Trainee Base: The web application should aim to attract new customers and expand the YogaCenter's customer base. Increase Trainees Base by 30% for the YogaCenter Web Application within 3 months.

BO-2: Improve Customer Satisfaction and Retention: The web application should focus on improving customer satisfaction by delivering a high-quality user experience. This can be achieved by providing relevant and valuable content, easy-to-use features, prompt customer support, and personalized recommendations. Satisfied customers are more likely to continue their yoga journey with YogaCenter and recommend it to others.

BO-3 : Increase User Engagement: One of the primary business objectives of the YogaCenter web application is to enhance user engagement. This can be achieved by providing a user-friendly interface, interactive features, and personalized content that keeps users actively involved and motivated in their yoga practice.

BO-4 : Utilize Technology for Efficiency: Implement a user-friendly online platform for class registration, scheduling, and payments. Leverage technology to streamline administrative processes, communication with participants, and access to educational resources such as video tutorials and practice materials.

BO-5 : Promote Health and Wellness: Promote the holistic benefits of yoga by educating participants about the physical, mental, and emotional advantages of regular practice. Organize workshops, seminars, and wellness events to create awareness about yoga's positive impact on overall health and well-being.

BO-6 : Offer Diverse Yoga Programs: Provide a variety of yoga programs to cater to different skill levels, preferences, and goals. Offer classes such as Hatha, Vinyasa, Ashtanga, Yin, Restorative, and specialized classes for specific populations like prenatal yoga, seniors, or children.

## Success Metrics

SM-1: 95% of trainees use web application to track their schedule and register their class remotely.

SM-2: The customer base expands 50% within 4 months.

## Vision Statement

* Our vision is to create a sanctuary of holistic well-being, where individuals of all ages and backgrounds can discover inner balance, nurture their bodies, and cultivate a profound connection between mind, body, and spirit. We aspire to be a trusted and transformative space that inspires personal growth, fosters community, and promotes a conscious and harmonious way of living. Through expert guidance, authentic teachings, and a nurturing environment, we envision empowering individuals to embark on a journey of self-discovery, self-care, and self-realization, ultimately embracing a life of radiant health, mindfulness, and inner peace

## Business Risks

RI-1: Some elder Trainees would not know how to use the web application. (Probability = 0.6; Impact = 3)

RI-2: Customers may not find the web interesting, reducing the return on investment from the web development and the changes in web application. (Probability = 0.3; Impact = 9)

RI-3: Cybersecurity Threats, as an online platform, the YogaCenter web application is

vulnerable to cybersecurity threats such as data breaches, hacking attempts, and unauthorized access. These risks can compromise user data, erode trust, and damage the reputation of the application. (Probability = 0.2; Impact = 10).

## Business Assumptions and Dependencies

AS-1: Systems with appropriate user interfaces will be available for yoga employees to process the expected attendees for any given days.

AS-2: The center’s staff is expected to satisfy their patrons’ needs as well as satisfying the business ethics

DE-1: The center’s online registration system should be comprehensive as well as responsive to customer support.

# Scope and Limitations

## Major Features

FE-1: Booking and paying the course fee by many online payment methods

FE-2: View schedule and profile.

FE-3: Create, view, modify, and cancel class subscription.

FE-4: Create, view, modify, delete, and class categorization.

FE-5: View all available classes.

FE-6: Provide system access through corporate intranet, smartphone, tablet, and outside Internet access by authorized employees

## Scope of Initial and Subsequent Releases

|  |  |  |  |
| --- | --- | --- | --- |
| Feature | Release 1 | Release 2 | Release 3 |
| FE-1, Booking and paying the course fee by many online payment methods. | Booking class and update class Id to database, also add trainee to that class. | Accept credit and debit card payments. | Accept booking for more than one class. |
| FE-2 View schedule and profile. | Show day which trainee has class | Create a weekly day table for trainees based on their class schedules. | Fully implemented |
| FE-3 Create, view, and cancel class subscription. | Implemented create and view | Implemented modify | Fully implemented |
| FE-4 Create, view, modify and delete class. | Create and view class | Modify, delete | class categorization and fully implemented |
| FE-5 View all available classes. | Not implemented | Fully implemented |  |
| FE-6, System access | Intranet and outside Internet access | iOS and Android phone and tablet apps | Windows Phone and tablet apps |

# Business Context

## Stakeholder Profiles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Stakeholder | Major Value | Attitudes | Major Interests | Constraints |
| Corporate Management | Improved employee productivity; cost savings for YogaCenter | Strong commitment through release 2; support for release 3 contingent on earlier results | Cost and staff time savings must exceed development and usage costs | None identified |
| YogaCenter’s staffs or trainer | More efficient use of staff time throughout the day; higher customer satisfaction | Concern about union relationships and possible downsizing; otherwise receptive | Job preservation | Training for staff and trainer in Internet usage needed; |
| Payroll  Department | No benefit; needs to set up payroll deduction registration scheme | Not happy about the software work needed, but recognizes the value to the company and employees | Minimal changes in current payroll applications | No resources yet committed to make software changes |

## Project Priorities

|  |  |  |  |
| --- | --- | --- | --- |
| Dimension | Constraint | Driver | Degree of Freedom |
| Features | All features scheduled for release 1.0 must be fully operational |  |  |
| Quality | 95% of user acceptance tests must pass; all security tests must pass |  |  |
| Schedule |  |  | release 1 planned to be available by end of Q1 of next year, release 2 by end of Q2; overrun of up to 2 weeks acceptable without sponsor review |
| Cost |  |  | budget overrun up to 15% accept able without sponsor review |
| Staff |  | team size is half-time project manager, half-time BA, 3 developers, and 1 tester; additional developer and half-time tester available if necessary |  |

## Deployment Considerations

The web server software will need to be upgraded to the latest version. This helps improve security, performance, and stability of the application. Web will have to be developed for mobile view and tablets as part of the first release. Any corresponding infrastructure changes must be in place at the time of the second release. Videos no more than five minutes in length shall be developed to train users in both the Internet-based and app-based versions of COS. Optimize the application's performance to provide a smooth user experience. This includes techniques like code optimization, image and video compression, and caching mechanisms to reduce loading times.