HYPERMEDIA APPLICATIONS DESIGN DOCUMENT

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Abstract

This document details the complete UX and data-level design of **WO CIAO Yoga**, a single-page promotional and booking site for a midsize yoga studio. It distils the content, navigation, presentation, and data structures actually implemented at https://yoga-782.pages.dev/ into formal design artefacts that satisfy the "HYP 2024-25 Design Project – General Instructions".

Contents

1   Conceptual Design

This chapter presents a detailed outline of the website's conceptual design. Its primary aim is to explain how decisions were made regarding the website's content, the organization of that content into pages, and how users move between those pages. The following sections provide an in-depth examination and justification of these decisions.

1.1 Content Design

This part introduces the C-IDM (Content Interaction Dialogue Model). The C-IDM models the website as an interaction resembling a conversation between the user and the application. It clarifies the characteristics of this dialogue, covering the classification of topics, how they relate to each other, and how they are grouped. Additionally, the model details the specific content that can be addressed within each topic category.

1.1.1 C-IDM Diagram

The model focuses on two main themes: **Courses and Persons**. The types of courses include regular classes and promotional events. There are a total of ten types of courses and 6 types of promotional events. For each course and event, there is at least 1 teacher and at most 3 teachers involved in the teaching. Persons is a theme primarily referring to the teaching team, where each teacher teaches at least 1 course and can teach up to 3 courses. Lastly, the structure includes 2 other individual themes: **Contact and About**. The former refers to how to contact the yoga studio, while the latter contains a general description of the studio's core philosophy and teaching.
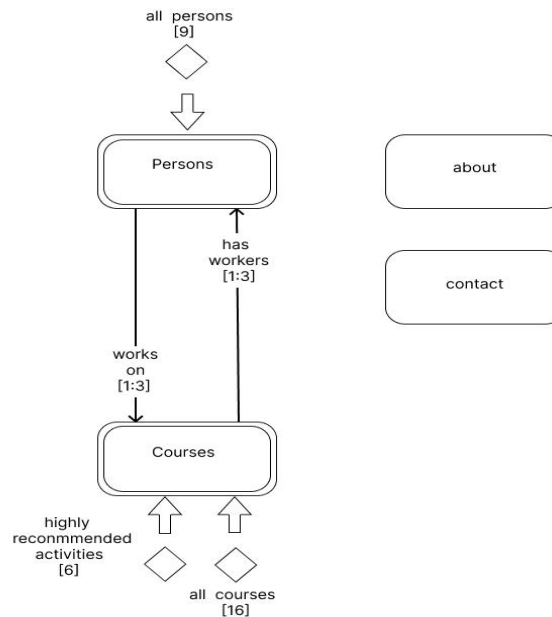

Figure 1:C-IDM Diagram

1.1.2　Content Tables

In the following tables are defined the contents of the conversation between the human and the application for each category of subject.

Type of Topic: Persons
Teacher name: text
Courses taught by the teacher: text
Teacher photo: image
Teacher bio: txet
Teacher's schedule: [Course name, teacher name, course duration, teaching location.]

Group: All persons
Person preview: List of [Thumbnail image, Teacher name,]

Topic: About
Title: About WO CIAO Yoga
Company Overview: text

Topic: Contact
Contact title: Contact Us
Office information (address,phone)

Type of Topic: Courses
Course name: text
Course logo: image
Teaching Location:text
Teaching Time:text
Teacher(name,image)

Group: All Courses
Group title: "Activities"
Courses preview: List of [Course logo, Course name, Teacher name,Teaching location,time]

Group: Highly Recommended Activities
Group title: Highly Recommended
Courses preview: List of [Course logo, Course name, Teacher name,Teaching time]

2   Visual Design

This chapter will provide a complete definition of the graphical structure of the implemented website. Each page will be represented through high-fidelity wireframes, which will clearly highlight all the content, interaction, and navigation elements displayed on the screen. From this section, the final interface can be clearly understood through the prototypes.

2.1 Home Page

The Home Page of the website serves as an introduction to all available content. It provides a summary of all the key areas and allows users to navigate seamlessly to other sections of the site.
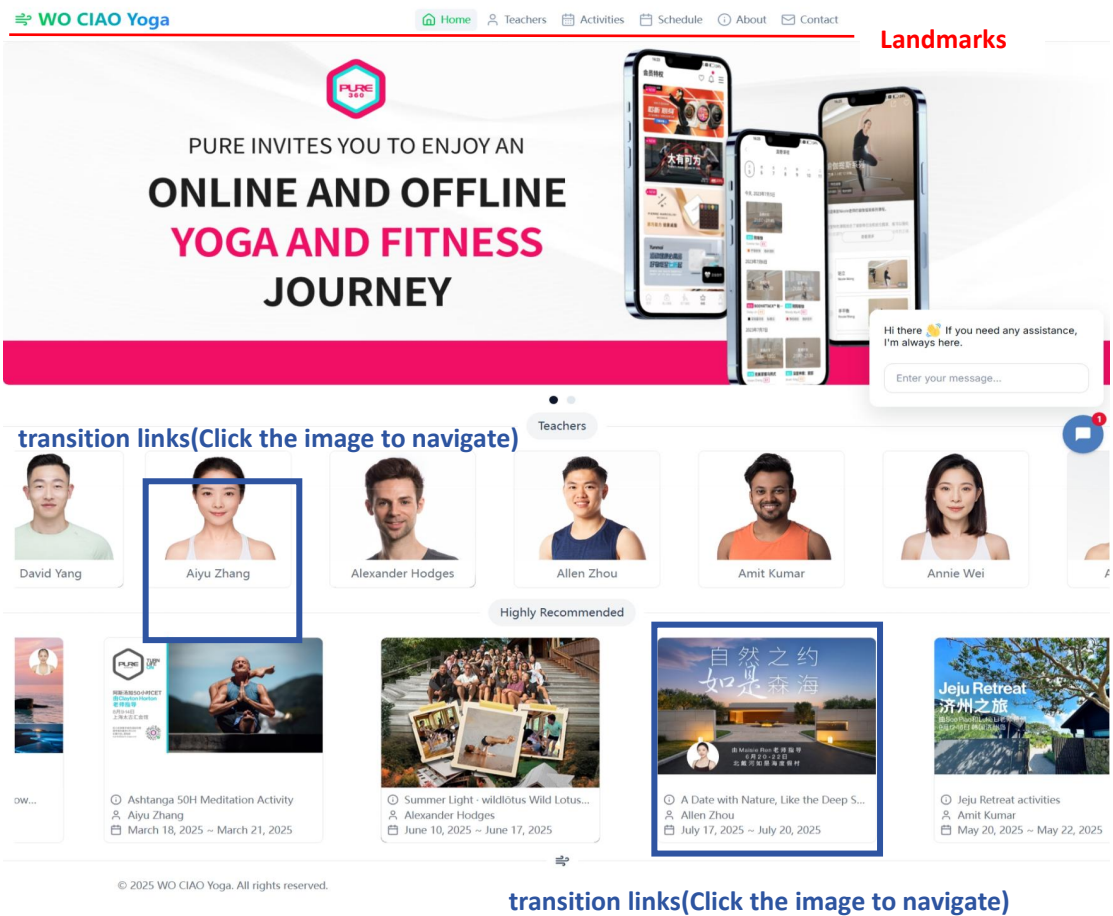

Figure 2: Home Page wireframe

2.2 Single Topic Pages

The following section will describe all pages containing information about a single topic.

2.2.1 Contact Page

This page displays the locations and contact information for the five WO CIAO Yoga branches in Shanghai. The information is clear and concise, allowing users to easily find the addresses and phone numbers of each branch. The design is simple and easy to navigate, ensuring users can quickly access the information they need.
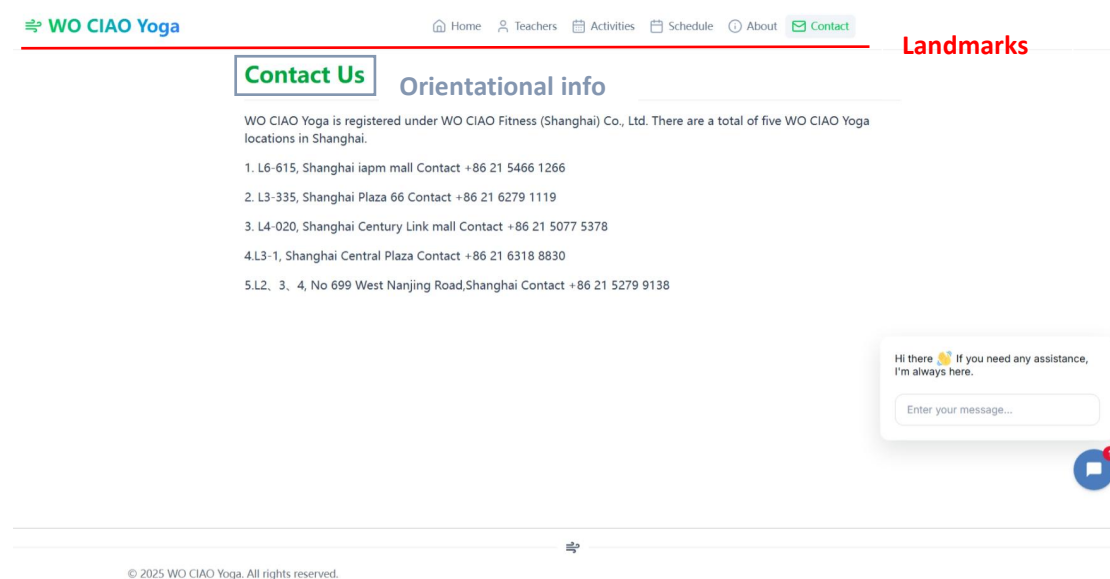

Figure3: Contact Page wireframe

2.2.2 About Page

This page provides an overview of **WO CIAO Yoga**, highlighting the company's mission and services. It explains the core values and offerings of the yoga community, emphasizing the commitment to helping individuals lead healthier and more balanced lives through yoga.reinforcing its commitment to teaching and community while offering a range of classes, training programs, and online resources to support practitioners at all levels.
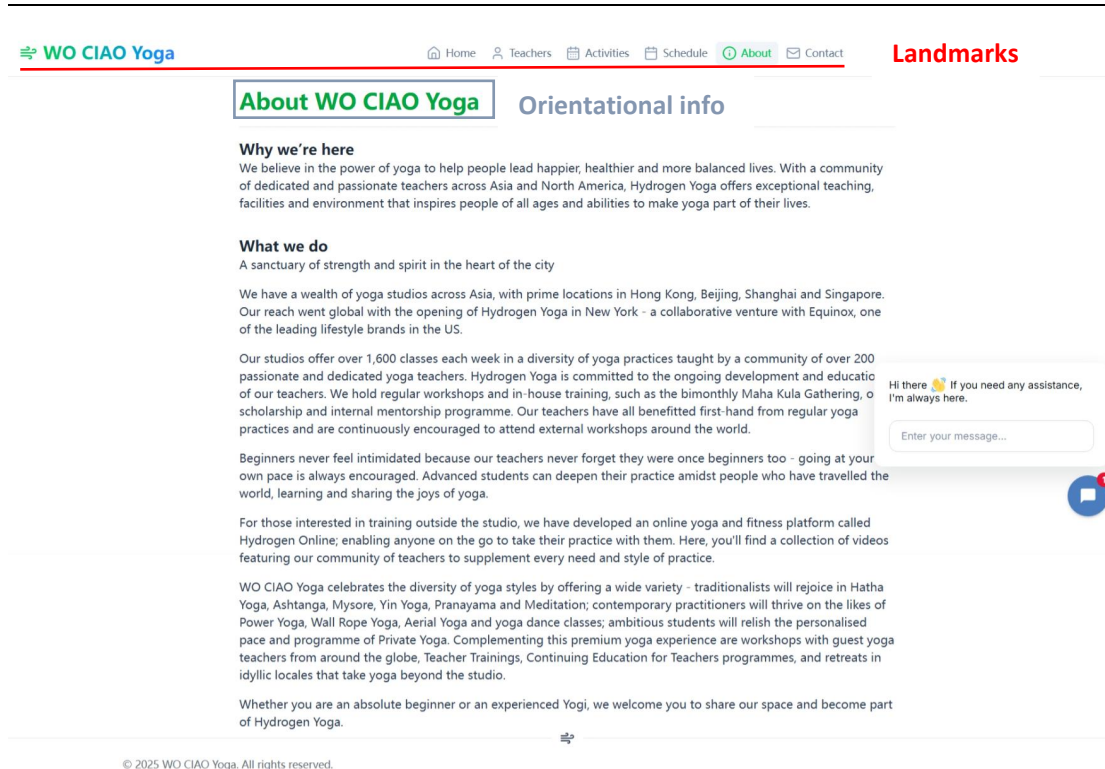
Figure 4: About Page wireframe

2.3 Introductory Pages

This section will illustrate all of the pages where a user will understand what a group is about and what its members consist of.

2.3.1 Activities Page

This page displays various yoga classes and activities offered by WO CIAO Yoga. Each activity card includes the class name, instructor, and class dates. The design is clean and intuitive, allowing users to quickly view all available activities and their details. This activities page, with its clear layout and intuitive design, allows users to easily browse and choose suitable yoga classes, enhancing the user experience.
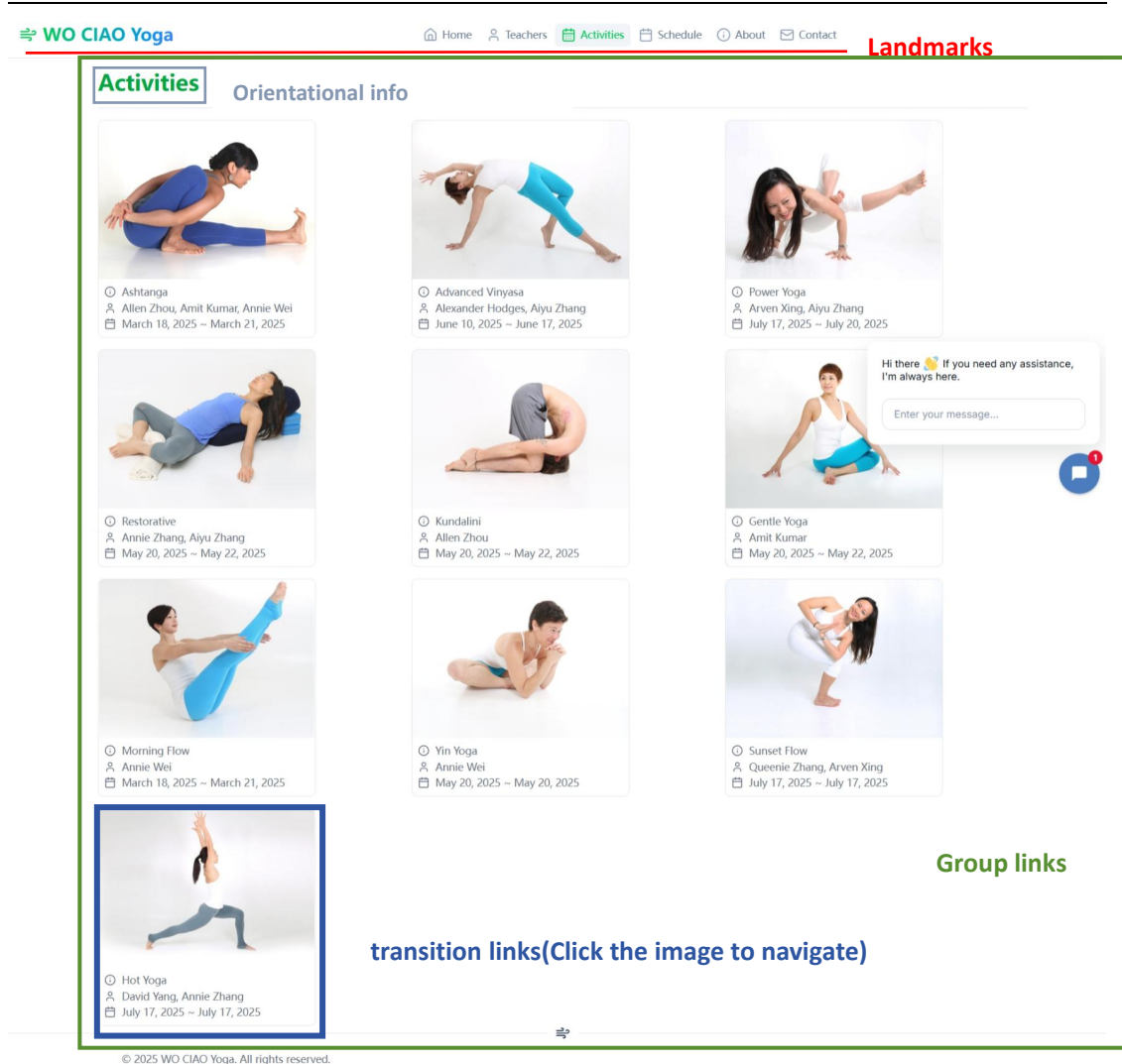
Figure 5: Activities Page wireframe

2.3.2 Teachers Page

This page displays all the instructors of WO CIAO Yoga, allowing users to browse each teacher's photo and name. Each teacher is presented in a card format, making it easy for users to quickly identify and learn about the instructors. The design is simple and intuitive, allowing users to clearly see basic information for all teachers,helping users quickly access information about each teacher and enhancing the overall user experience.
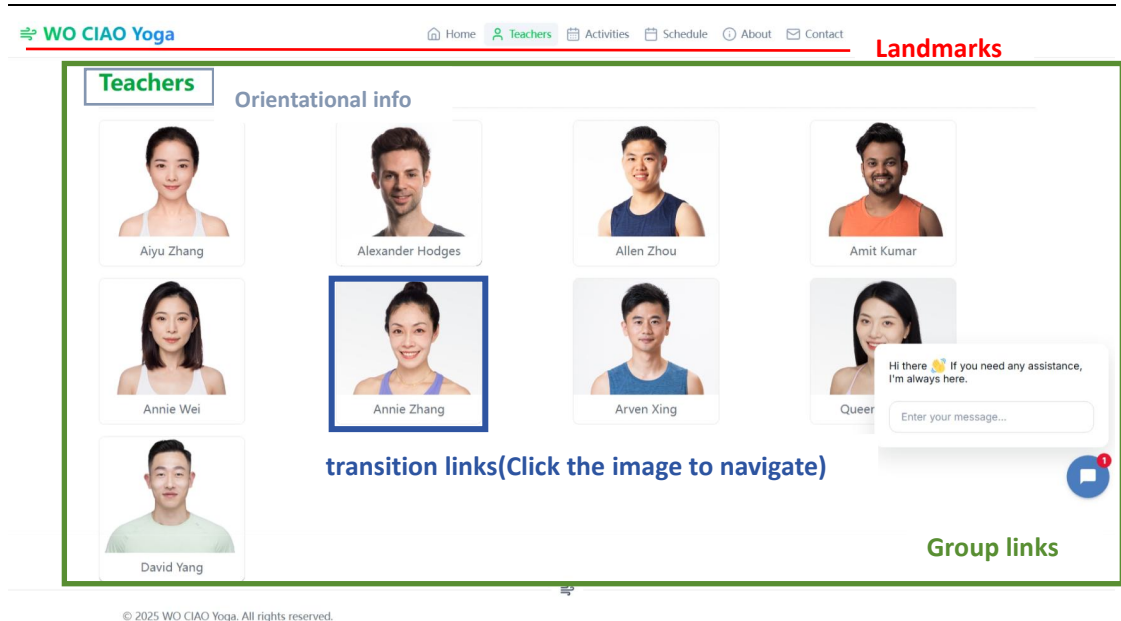
Figure 6: Teachers Page wireframe

2.3.3 Schedule Page

This page displays the class schedule for WO CIAO Yoga, organized in a clear and user-friendly calendar format. The schedule provides a comprehensive overview of all yoga classes, their timings, and the respective instructors.

Figure 7: Schedule Page wireframe

2.4 Multiple Topic Pages

This section presents multiple topic pages, the pages where users will find information and content about a topic of a specific kind.

2.4.1 Person Page

This page is specific to one of the members of the teachers working WO CIAO Yoga.
All information relevant to the user is contained in this page, including a complete description of the teachers' background, their name and role within the organization.
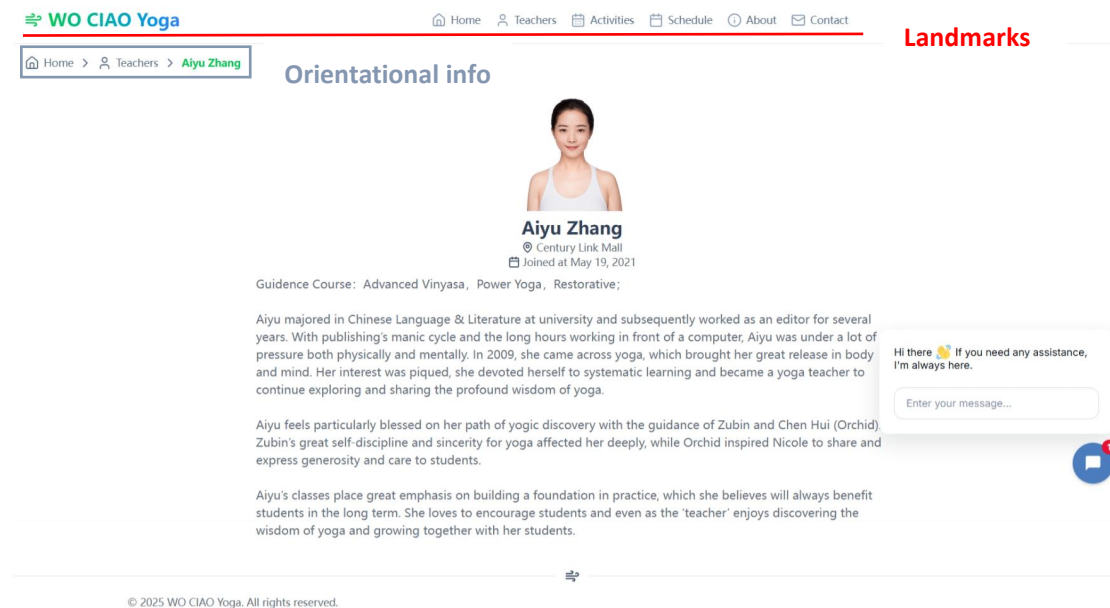

Figure 8: Person Page wireframe

2.4.2 Course Page

This page showcases the various yoga classes offered by WO CIAO Yoga, including a variety of styles and schedules. Each class card provides the class name, instructor, class timings, and an image, helping users quickly understand the course content and schedule.
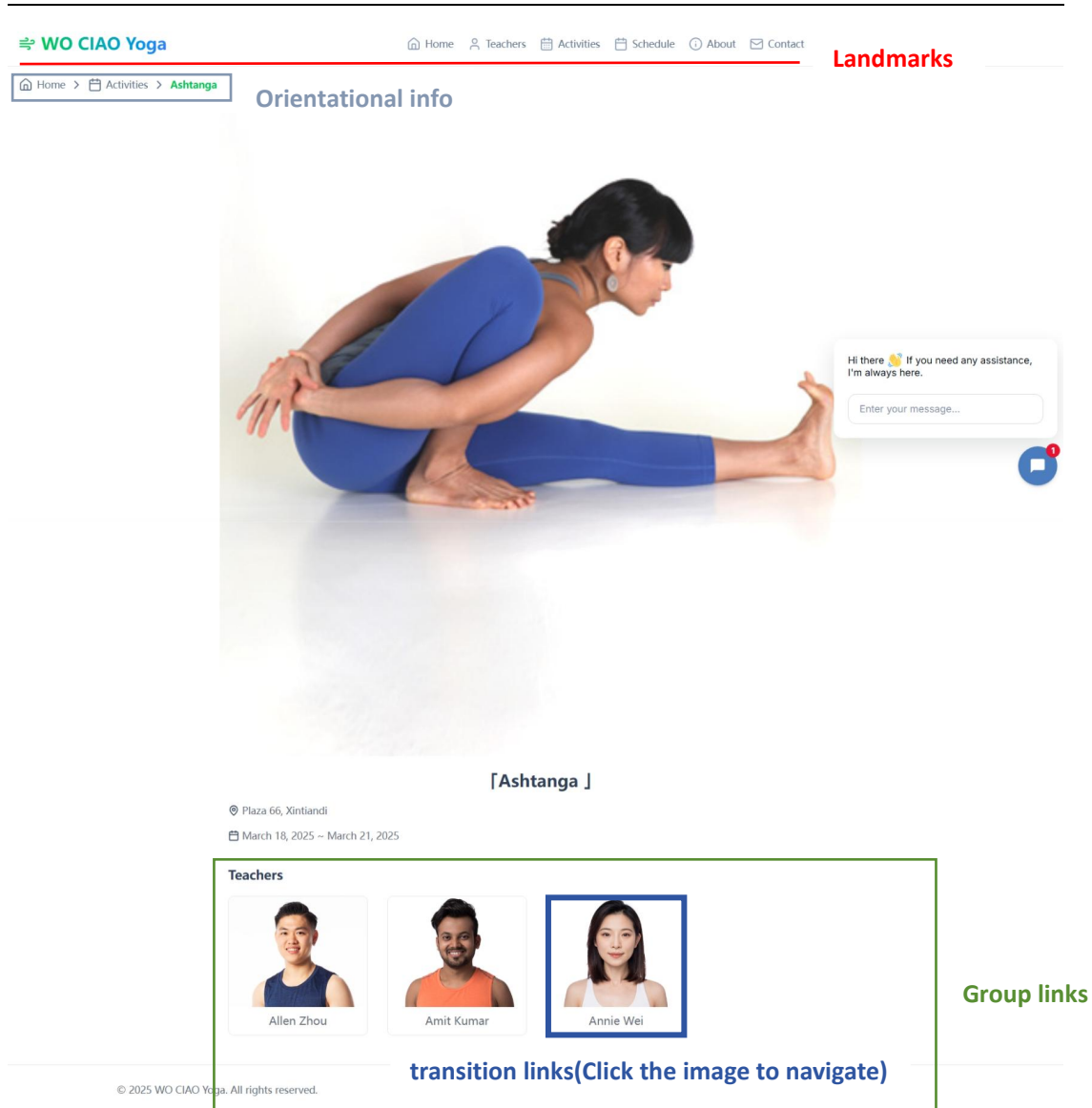
Figure 9: Course Page wireframe

3   Interaction Scenarios

interaction scenarios describe the specific process of user interaction, illustrating the user's actions while navigating the site. It includes the use's goals (such as checking course information, contacting teachers, etc.), the operation flow (e.g., navigating from the homepage to the course page, viewing course details, filling out a form, etc.), and how the website provides feedback based on the user's actions (such as confirming information submission or page redirection). By designing interaction scenarios, user experience can be better predicted and optimized, ensuring the website's functionality meets user needs and enhancing overall user satisfaction.

3.1 Use Case 1

3.1.1 Textual Narrative

Name	User querying teacher experience
Profile	A user, looking for a teacher with a specific background and experience, is interested in finding detailed profiles of teachers on the website.
Goal	The user wants to know more about the teaching experience, qualifications, and background of specific instructors on the platform.
Context	The user visits the website from their personal laptop to find out more about different teachers' credentials and experiences.
Tasks	1. The user accesses the home page of the website (https://yoga-782.pages.dev/teachers).
	2. Interested in learning more about a teacher's background, the user clicks on the "Teachers" tab located on the navigation bar.
	3. The user is presented with a list of teachers, with a brief preview of their experience. The user clicks on a specific teacher's name to view their full profile.
	4. The user is directed to the teacher's detailed profile page, where they can read about the teacher's qualifications, experience, teaching style, and areas of expertise.

Table 1: Textual Narrative of Use Case Scenario 1
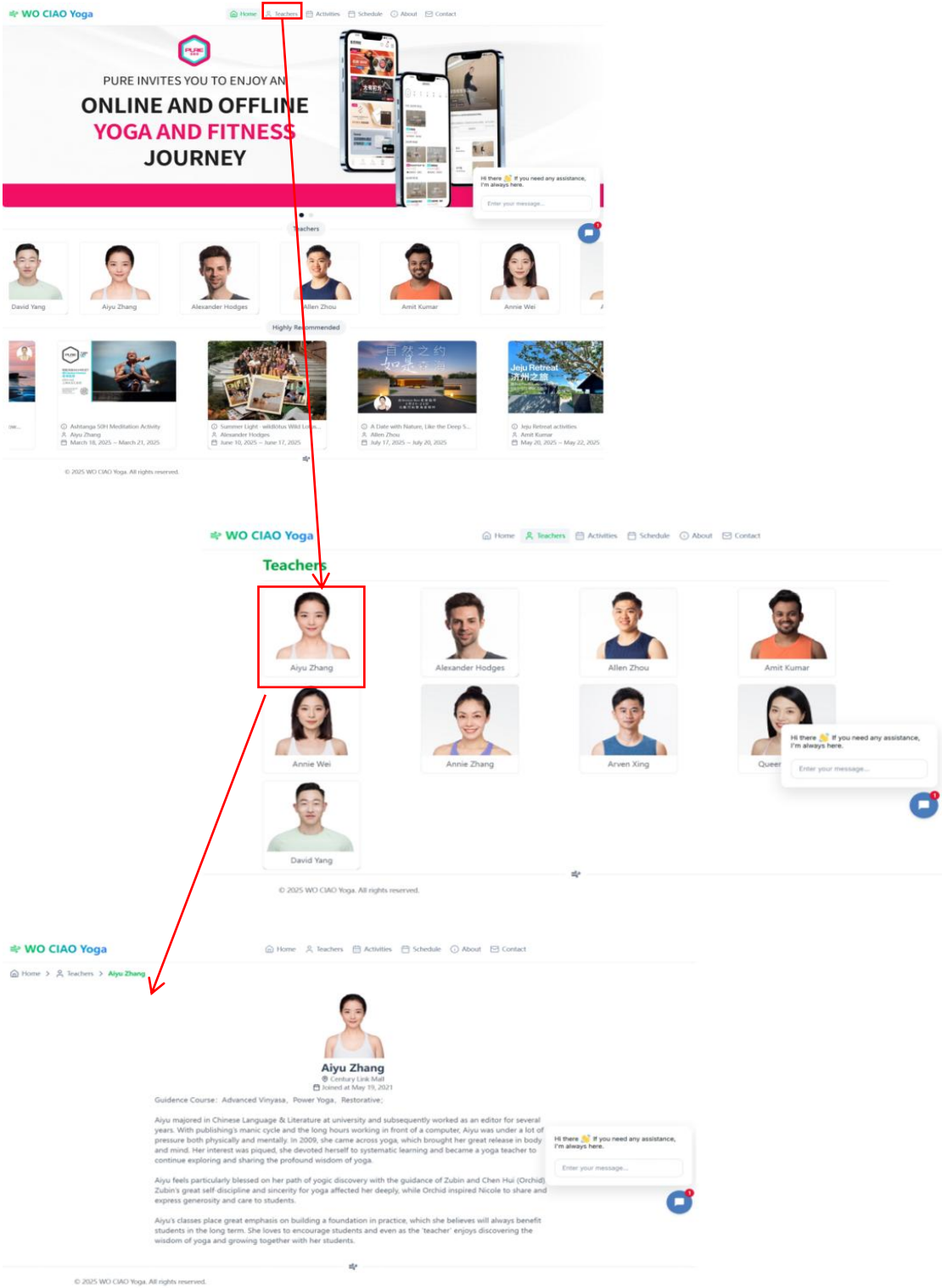
3.1.2 Interaction Flow

Figure 10: Use Case Scenario 1 - interaction flow

3.2 Use Case 2

3.2.1 Textual Narrative

Name	User querying courses
Profile	A user interested in yoga courses wants to explore detailed information about different courses on the platform and select the one that best suits their needs.
Goal	The user wants to know about the various yoga courses available on the platform, including their types, durations, difficulty levels, content, and instructors.
Context	The user visits the website to choose a suitable course and get more related information.
Tasks	1. The user visits the home page of the website (https://yoga-782.pages.dev/teachers) and clicks on the "Courses" option in the navigation bar. 2. The user browses the list of courses and views brief information such as course name, duration, and difficulty level. 3. Based on their interest or needs, the user clicks on a specific course to view detailed information about it, including the course description, instructor, schedule, etc. 4. After reading the course details, the user can choose to enroll in the course or continue browsing other courses by clicking the "See More Courses" button.

Table 2: Textual Narrative of Use Case Scenario 2
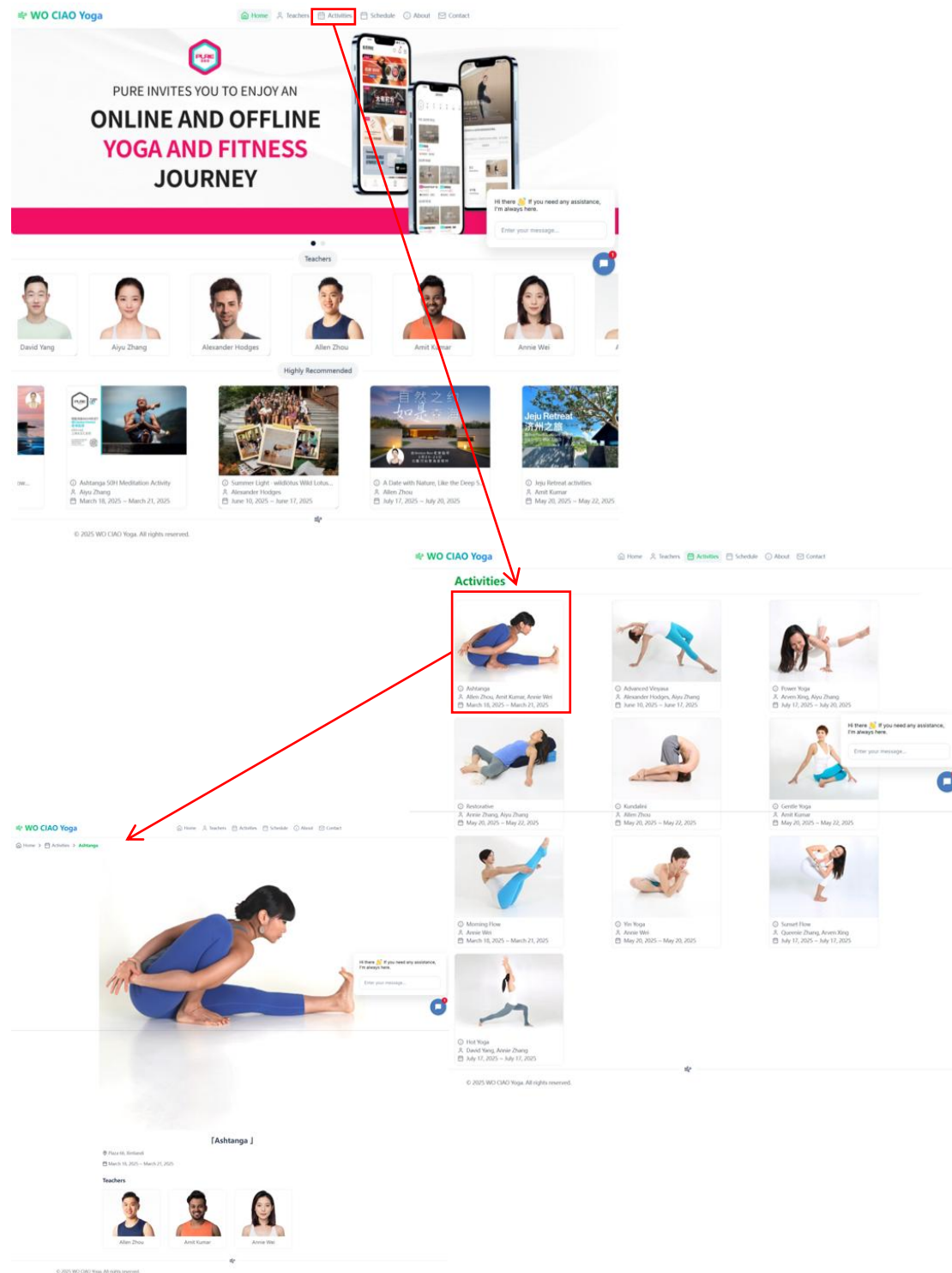
3.2.2 Interaction Flow

Figure 11: Use Case Scenario 2 - interaction flow

4   Database Design

4.1 Project Overview

The project aims to develop a yoga teaching platform. The front-end page will display teacher information, course summaries, class schedules, and recommended activities, making it easy for users to browse, understand, and select suitable courses. The back-end will manage detailed information about teachers, courses, and activities through a database, as well as their relationships, to enable seamless front-end and back-end interaction, effective storage, maintenance, and updating of content, thus providing stable data support for the website.
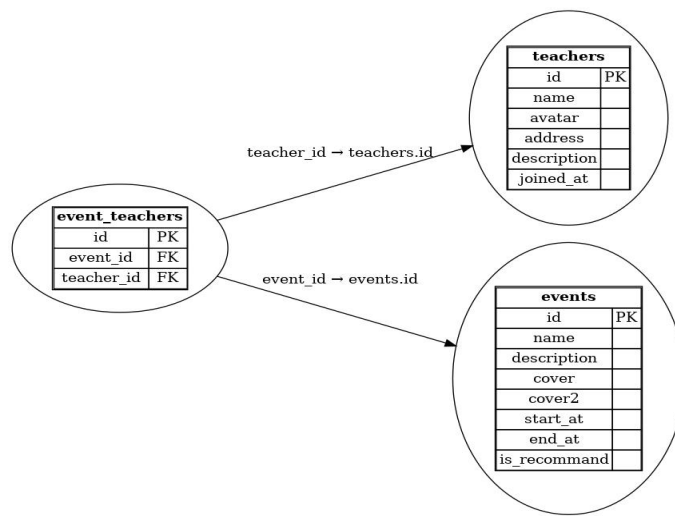
4.2 Entity-Relationship Diagram

Figure 12: ER Diagram

5   Annex

5.1 Division of Labour

Every person has contributed to the overall design and development of all aspects of the website. For the pages,we have divided the workload as follows

- SHINUO YAN: Home Page,About Page
- TIANQI HU:Teachers Page,Contact page
- JIANWEI DENG:Activities Page,Schedule Page

We advanced the project by defining common development guidelines, allowing each member to touch all aspects of website development, from design to the implementation of backend components. The specific division of tasks is as follows:

- TIANQI HU:Focused on component development and CSS styling and writing parts of the

report.

- JIANWEI DENG: Focused on page implementation and database queries and writing parts of the report.
- SHINUO YAN: Focused on page and component implementation and integration and writing parts of the report.

5.2 Abstract Pages

5.2.1 Persons

Orientational Info	Breadcrumbs
Contents	Teacher name: text Courses taught by the teacher: text Teacher photo: image Teacher bio: txet
Landmarks	Links toHome,About,Contact ,Teachers,Activities,Schedule
Group Links	Courses tought by me: List of [Thumbnail Image, Course name] Courses I have worked on: List of [Thumbnail Image, Course name]

Table 3: Abstract page for Persons

5.2.2 About abstract page

Orientational Info	"About"
Contents	Title: About Wo Ciao Yoga Paragraph title:Why we're here Paragraph: text Paragraph title: What we do Paragraph: text
Landmarks	Links toHome,About,Contact ,Teachers,Activities,Schedule

Table 4: Abstract page for About

5.2.3 Contact Us abstract page

Orientational Info	"Contact"
Contents	Title: Contact Us Text: Contacts (address, phone number)
Landmarks	Links toHome,About,Contact ,Teachers,Activities,Schedule

Table 5: Abstract page for Contact