Project Overview

TAIKE Life is a comprehensive platform designed for water activities enthusiasts in Taiwan. The platform focuses on diving, SUP (Stand Up Paddleboarding), and surfing activities, providing detailed information about locations, guides, and courses.

🚧 Development Status: This project is actively under development. New features and content are being continuously added. Stay tuned for updates!
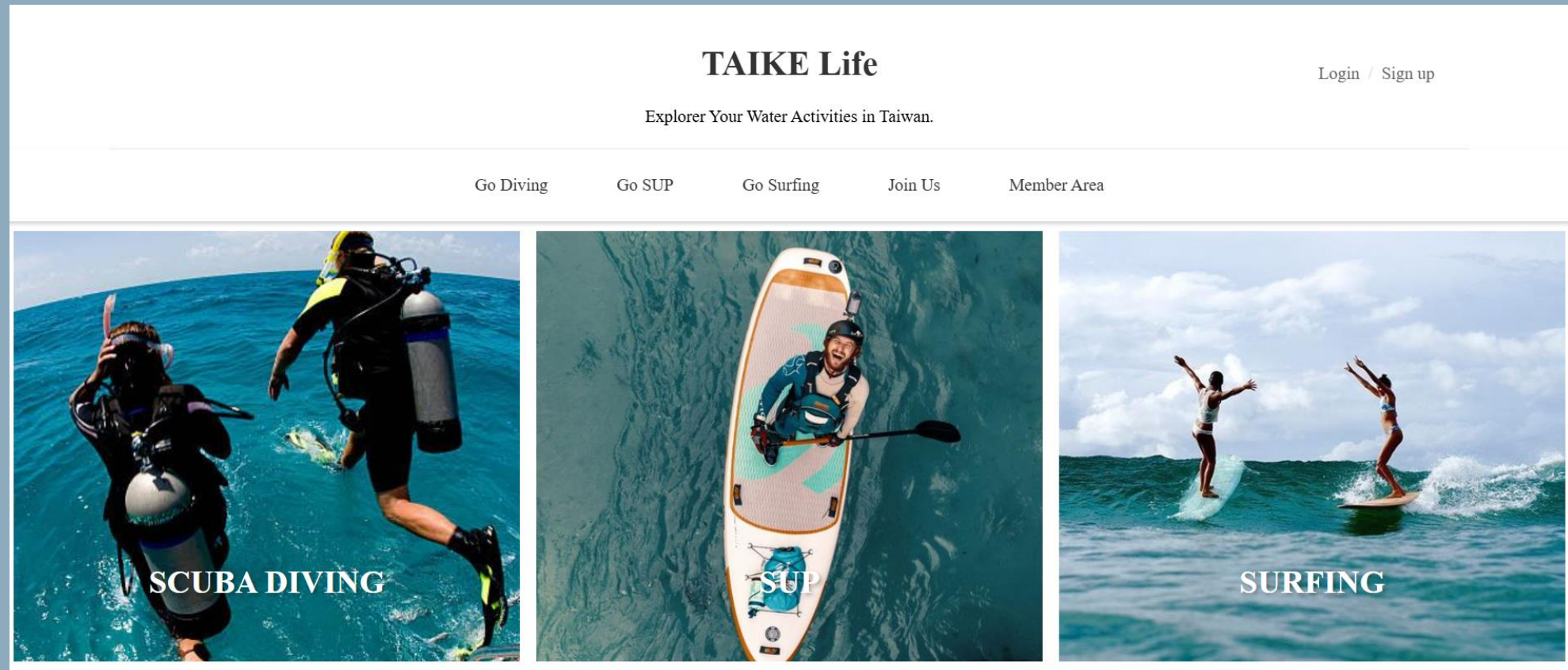
Technical Stack

>>Frontend

HTML5/CSS3, JavaScript (ES6+),Responsive, DesignCustom UI Components

>>Backend

Java Servlets, JSPMVC Architecture, RESTful API

>>Database

MySQL, Connection Pool Management
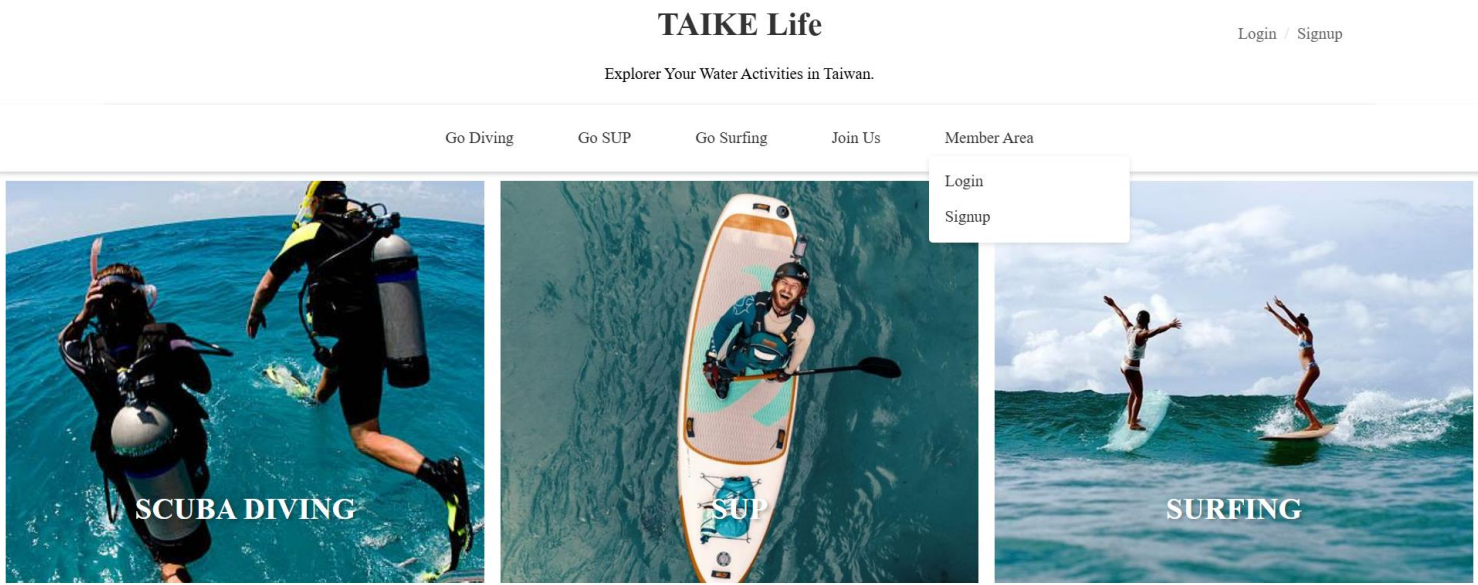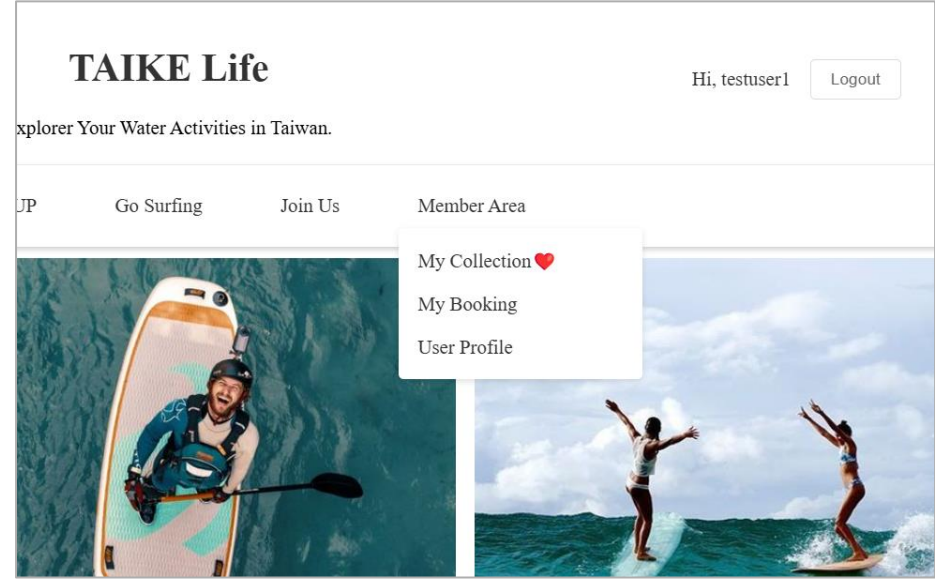
Home page

#Backend Functions

Authentication Features

- Display login status
- Show "Hi, [username]" and logout button for logged-in users
- Display login/register links for non-logged-in users

#Frontend Functions

Navigation Bar

- Hover effect expands submenus
- Fixed positioning ensures navigation bar stays above other content

TAIKE Life

Explorer Your Water Activities in Taiwan.

Login / Signup

Go Diving   Go SUP   Go Surfing   Join Us   Member Area
Login
Signup

SCUBA DIVING   SUP   SURFING

Enjoy water activities here and discover the beauty of Taiwan!

Surrounded by the sea, Taiwan has diverse coastlines and offshore islands waiting for you to explore.

We hope everyone can find travel and lifestyle experiences they love here, joyfully embracing the ocean.

Tai-Ke 台客 refers to both visitors of Taiwan and local Taiwanese.

TAIKE Life

Hi, testuser1   Logout

Explorer Your Water Activities in Taiwan.

UP   Go Surfing   Join Us   Member Area
My Collection ❤️
My Booking
User Profile

Login / Signup

TAIKE Life

Explorer Your Water Activities in Taiwan.

Member Registration

⦿ User   ◯ Business

Username

Email

Password

*Password must contain both letters and numbers, minimum 6 characters

Register

TAIKE Life

Explorer Your Water Activities in Taiwan.

Sign In

Email

Enter your Email

Password

Enter your password 👁

Submit

Not a member yet? Register Now

#Backend Functions

Login Page Features

- Handles user login requests
- Verifies user credentials against database
- Upon successful login:
    - Creates Session
    - Sets Cookies (userId, username, userEmail)
    - Returns JSON success response
- Returns error message when login fails

Signup Page Features

- Selects different database tables based on member type (member_user or member_business)
- Uses PreparedStatement to prevent SQL injection
- Performs database insertion operations
- Secondary password format validation

Go Diving > Find Diving Spot

#Frontend Functions

Carousel Section

- Horizontal scrolling carousel displaying six popular diving area cards
- Left and right arrow buttons for scroll control

Find Diving Spots Section

Split into two areas:

- Left side: Taiwan map (clickable for enlarged view)
- Right side: Six diving area links

    Grid layout with clickable region links

Popular Diving Areas

Northeast Corner

Dramatic coastal cliffs with rich marine biodiversity, featuring unique underwater rock formations and coral gardens.

Kenting

Vibrant coral reefs teeming with tropical fish, offering year-round diving with excellent visibility and warm waters.

Xiao Liuqiu

Famous for frequent sea turtle encounters and shallow coral reefs, perfect for beginner-friendly diving experiences.
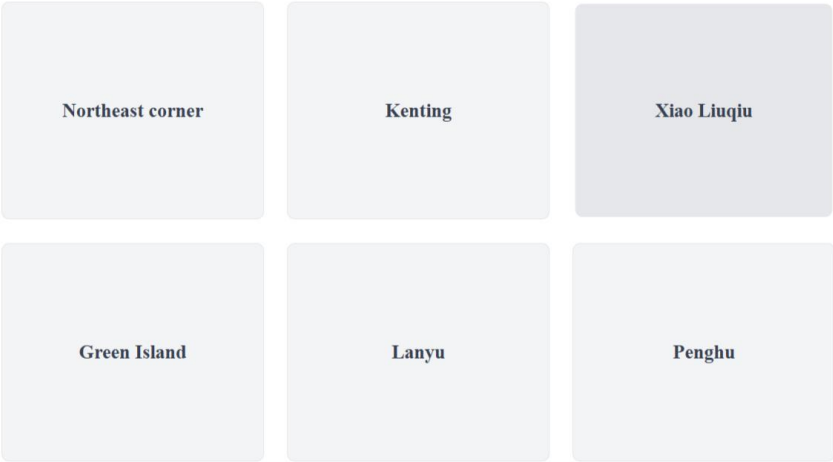
Green Island

Known for pristine coral ecosystems, abundant marine life, and exceptional underwater visibility in crystal-clear waters.

Lanyu

Remote island diving with untouch seasonal hammerhead sharks, and Taiwanese aboriginal culture.

Find Diving Spots

Northeast corner	Kenting	Xiao Liuqiu
Green Island	Lanyu	Penghu

Go Diving > Find Diving Spot >Northeast corner

#Backend Functions

Diving Spot Card Features

•Uses diving-card component to display dive spots, dynamically

retrieving content from database

Like Button Interactive Features

•Login required for the favorite function

•Click to add/remove from favorites, linked to user records in database

•Real-time button state updates

CTA (Call to Action) Section

"Ready for start your journey?"

•Provides two action buttons:

- Find a dive guide
- Discover Scuba Diving

Northeast Corner 東北角 : Taiwan's Premier Diving Destination

Discover the captivating underwater realm of Taiwan's Northeast Corner, where the dynamic Pacific Ocean meets dramatic coastal cliffs, creating a diverse ecosystem of marine life and unique underwater topography. From the sheltered bays of Longdong to the thriving marine reserves of Chaojing, this region offers some of Taiwan's most accessible and rewarding dive experiences.

Best Time to Visit

The prime diving season extends from May to September, with water temperatures ranging from 24-28°C and visibility reaching 5-15 meters. Protected sites like Longdong Bay offer year-round diving, though winter months may experience stronger northeast monsoon winds.

Popular Dive Sites

Longdong

Location: Heme Elementary School, Gongliao District, New Taipei City

Diving Way: Shore entry diving from rocky coast

A scenic shore diving spot along Taiwan's Northeast Coast featuring rocky outcrops and diverse marine life. The site offers easy access and great visibility during summer, making it popular for observing colorful reef fish and seasonal marine visitors.

Chaojing Park

Location: Chaojing Park , New Taipei City

Diving Way: Shore entry diving from rocky coast or stairs

A protected marine park offering excellent shore diving with convenient entry points. The site features rich biodiversity, including vibrant soft corals, various reef fish, and occasional sea turtles. Popular among photographers for its clear waters and diverse underwater landscapes.

Ready for start your journey?

Find a dive guide   Discover Scuba Diving

Member Area> My Collection

My Collection page integrates user's favorite functionality, retrieving data from logged-in user's Like records.

#Backend Functions

Authentication Check

- Verify user login status
- Redirect to login page if not logged in
- Display logged-in username

Favorites Display

Retrieve user's favorited diving spots from database

Present saved content using card layout

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My Collection ❤️
My Booking
User Profile

My Collection

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