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## ACKNOWLEDGEMENT

We are delighted to present our efforts in developing this website, a journey that has been both challenging and rewarding. This project was undertaken with the goal of creating an engaging and informative platform for **Jenkinson Sea Life**, aimed at educating visitors about marine life and conservation.

We extend our heartfelt gratitude to our instructors and teammates for their unwavering support. Additionally, we appreciate the opportunity provided by **Jenkinson Sea Life** to contribute to this meaningful initiative. The website was developed using **React.js**, **CSS3**, **Google Maps API**, and the **Moment.js dependency** for real-time location sharing, ensuring a modern, scalable, and responsive user experience.

We hope this project serves as a valuable resource for marine enthusiasts and contributes to the broader conservation efforts.

# SYNOPSIS

## Project Title: Jenkinson Sea Life SPA Website

This project aims to develop a **Single Page Application (SPA)** for **Jenkinson Sea Life**, a marine conservation facility dedicated to educating visitors about marine ecosystems and sustainability. The website provides interactive educational content, information on upcoming events, and details about various exhibits, all while ensuring a seamless and responsive user experience.

### Project Objectives:

- Provide a digital platform to showcase marine life exhibits.
- Educate visitors about conservation efforts.
- Ensure a user-friendly experience on all devices and browsers.

### Scope of the Project:

The website features:

- A visually appealing homepage with an interactive layout.
- A detailed exhibits section with information on marine species.
- A contact page for inquiries and outreach programs.
- A responsive design ensuring compatibility with major browsers like Chrome, Firefox, and Edge.

### Technologies Used:

- **Frontend:** React.js, CSS3
- **Deployment:** Vercel (Frontend)

## PROJECT ANALYSIS

The website has been meticulously designed to cater to diverse user groups, including students, researchers, and general visitors. Below are the key features and functionalities:

## Home Page:

- Offers an **overview** of Jenkinson Sea Life.
- Features **engaging images** and concise descriptions of key exhibits.
- Provides **intuitive navigation** to different sections of the website.

## Exhibits Page:

- Showcases **detailed descriptions** of marine species.
- Includes **high-quality images and videos**.
- Provides insights into **conservation efforts and habitat details**.

## Upcoming Event System:

- Allows users to view **available educational tours and programs**.

## Contact Page:

- Includes a **contact form** for visitor inquiries.
- Displays **location details** of Jenkinson Sea Life.
- Features an **embedded map** for easy navigation.
- Sends **automated confirmation emails** upon successful inquiries.

# PROJECT DESIGN

The overall website design focuses on **user-friendliness, accessibility, and visual appeal**. It follows a **clean and structured layout** with well-organized sections for seamless navigation.

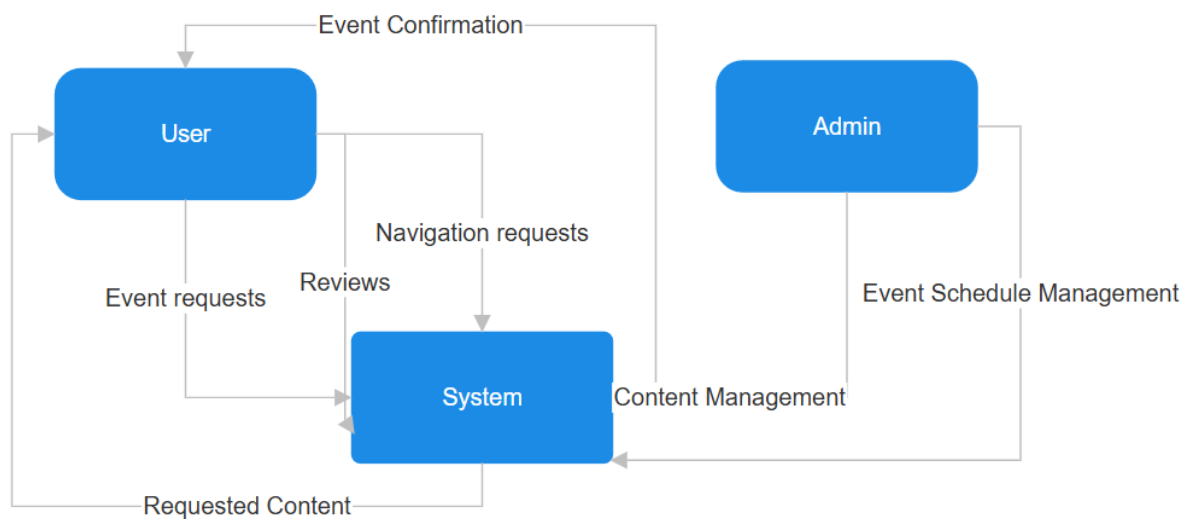
## Design Considerations:

- **Consistent color scheme** to reflect the marine theme.
- **High readability** with clear typography and ample whitespace.
- **Responsive layout** optimized for desktop, tablet, and mobile devices.
- **Smooth animations and transitions** to enhance user engagement.

## Website Structure:

1. **Home Page** – Overview of Jenkinson Sea Life.
2. **Exhibits** – Information on marine species.
3. **Events** – Booking system for educational tours.
4. **Contact Us** – Inquiry form and location details.

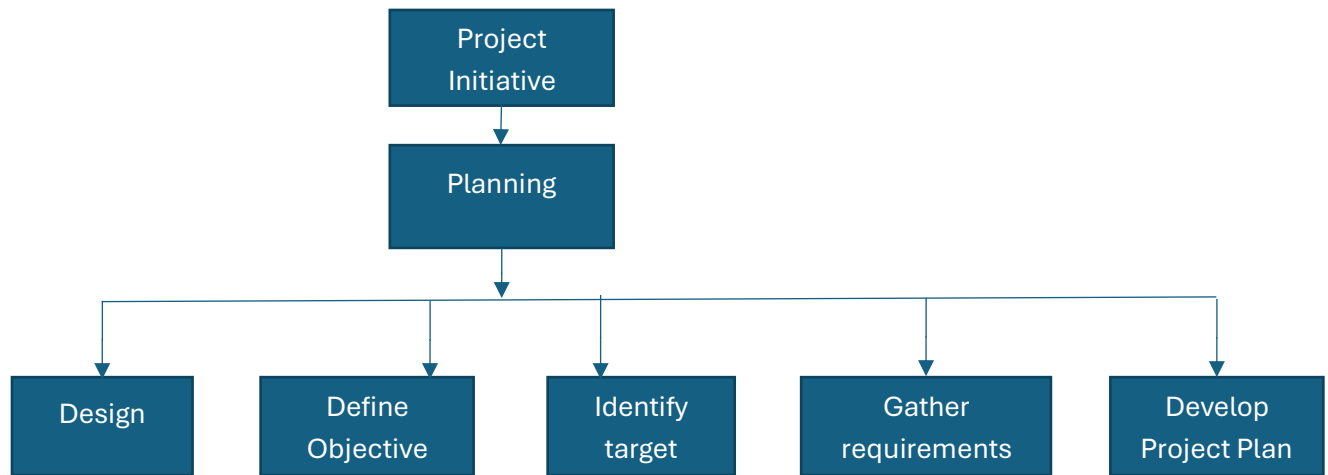
## DATA FLOW DIAGRAMS (DFDs)



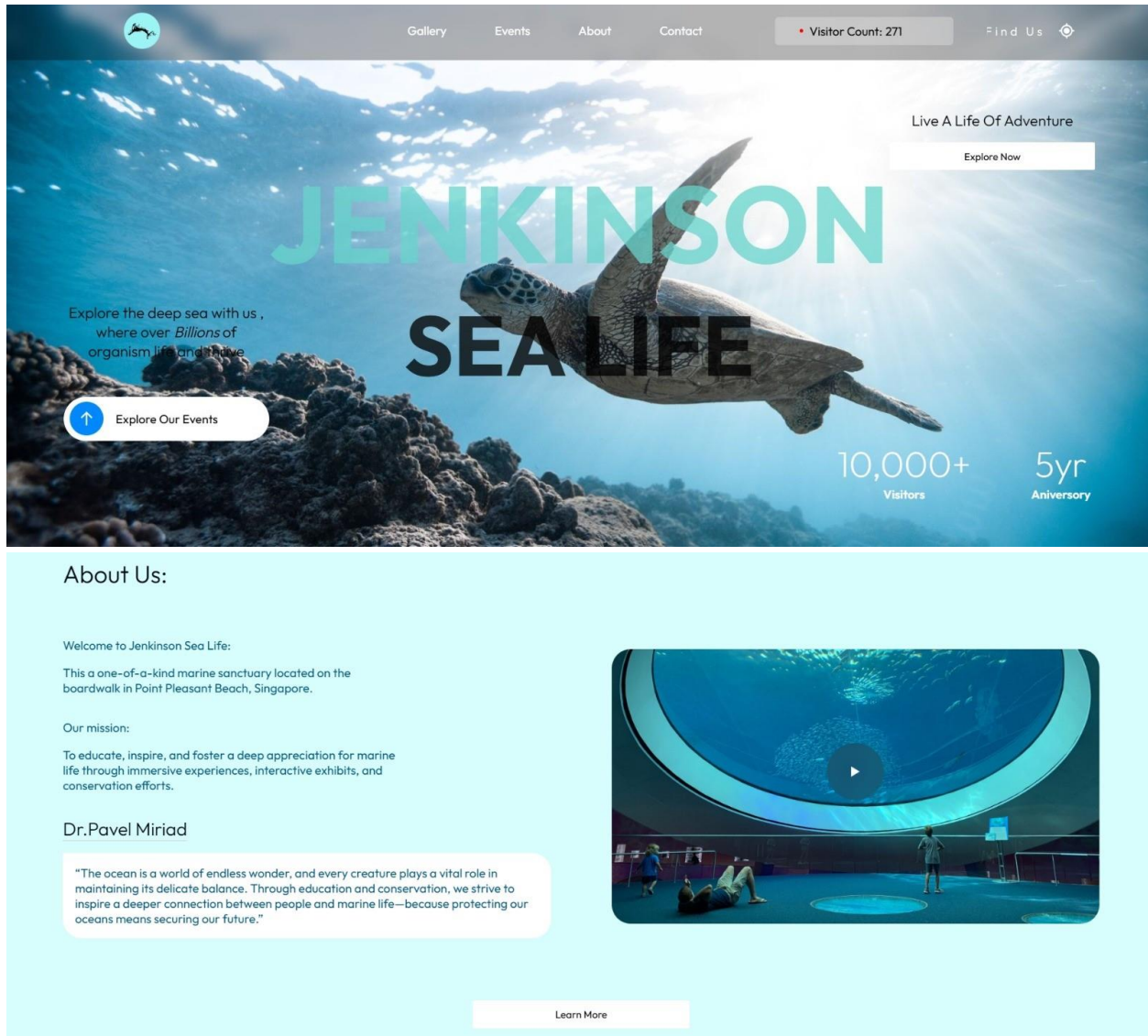
# FLOWCHARTS



## PROCESS DIAGRAMS



## SCREENSHOTS





Categories

Marine Life Animals



Fish

Explore a variety of fish species, from freshwater to deep-sea dwellers.

[more](#)



Mammals

Discover marine mammals known for their intelligence and social behavior.

[more](#)



Reptiles

Learn about marine reptiles that have adapted to life in the ocean.

[more](#)



Crustaceans

Meet fascinating marine crustaceans like crabs and lobsters.

[more](#)



Jellyfish

Graceful yet dangerous, jellyfish drift through ocean currents.

[more](#)



Mollusks

Soft-bodied marine creatures, often with shells, like octopuses and squids.

[more](#)



Corals

The foundation of marine ecosystems, providing habitat for countless species.

[more](#)

WHAT OUR VISITORS HAVE TO SAY

Hear What Our Happy Clients Have to Say About Their Unforgettable Experiences and Seamless Journey With Us.



Amazing experience! The marine life was breathtaking, and the staff was very knowledgeable.



John Wayne  
Point Pleasant Beach, Singapore



A perfect place for kids and adults alike. The exhibits were well-maintained and informative.



Liam Johnson  
New York, USA



Loved the interactive sessions and the variety of sea creatures on display. Highly recommend visiting!



Emma Brown  
London, UK

Rate Us and Review



Your review

[Submit](#)



[Gallery](#)

[Events](#)

[About](#)

[Contact](#)

Visitor Count: 145



Our Gallery

"Capturing Moments, Preserving Oceans – Dive into Our Story."  



## Upcoming Events

You can rely on our amazing staff who promise a great experience without a doubt



### Marine Conservation Workshop

A full-day workshop focused on marine conservation efforts, including hands-on activities and expert talks.



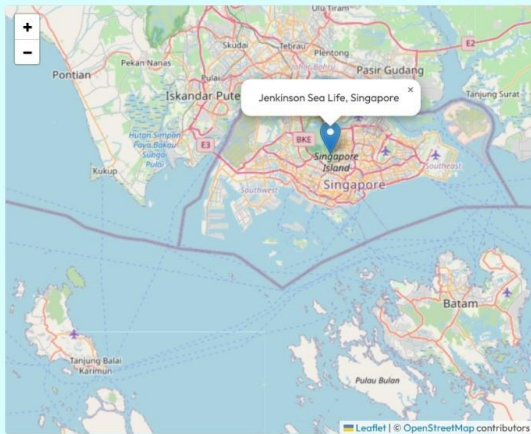
### Shark Awareness Program

An educational event to raise awareness about different shark species and their role in marine ecosystems.



### Dolphin Conservation Seminar

A seminar focusing on dolphin conservation, habitat protection, and ethical marine tourism.



## Contact Us

Name\*

eg: John Doe

Email\*

eg: user@gmail.com

Join Us



Customer Service: +65 81-54-63-35



Windsor Park Road, Singapore, 574177  
Bishan Singapore Singapore



Opening: 8.00am

Closing: 5.30pm

## USER GUIDE

### How to Use the Website:

1. Visit the homepage at Jenkinson Sea Life.
2. Explore marine exhibits by clicking on species names.
3. Fill out the contact form for inquiries.

### Navigation Guide:

- **Home:** Overview and links to key sections.
- **Exhibits:** Details about marine species.

- **Events:** View educational programs.
- **Contact Us:** Submit inquiries and locate the facility.

## DEVELOPER'S GUIDE

### Project Structure:

```
jenkinson-sealife/  
|— public/  
|— src/  
|   |— components/  
|   |— pages/  
|   |— styles/  
|   |— App.js  
|   |— index.js  
|— server/  
|   |— models/  
|   |— routes/  
|   |— controllers/  
|   |— server.js  
|— package.json
```

### Deployment Details:

- **Frontend:** Hosted on **Vercel**.

## CONCLUSION

The **Jenkinson Sea Life SPA Website** successfully addresses the organization's needs by providing an engaging, educational, and user-friendly experience. The project showcases efficient design, modern web development practices, and seamless integration of features. Future enhancements may include **additional interactive elements, live event streaming, and a membership program**.

This document serves as a **comprehensive reference** for both **users and developers**, ensuring the website's smooth operation and scalability.

