



DRS. KIRAN & PALLAVI PATEL GLOBAL UNIVERSITY

Established Under Gujarat Private Universities (Amendment) Act, 2021 (Gujarat Act No. 15 of 2021)

KRISHNA SCHOOL OF EMERGING TECHNOLOGY & APPLIED RESEARCH (KSET)

KPGU
Vadodara

Krishna School of Emerging Technology & Applied Research (KSET)

A

Project Report On
“Website Development (Odyssey)”

Under Subject of
Semi Project (SP)

B. TECH - II, Semester – IV
(Computer Science & Engineering)

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CERTIFICATE

This is to certify that the project report entitled **Web Development (Odyssey)**. Title is prepared and presented by **Aayush K. Modi, Harsh U. Mistry, Vraj Y. Patel** of Semester **4th** Branch **Computer Science & Engineering CSE Division 3(B)** bearing Enrolment Nos. **2101201004, 2101201055, 2101201193** respectively and their work is Satisfactory.

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CONTENTS

No.	Subject	Page No.
A	Abstract	1
B	Acknowledgment	2
C	Notations	3
1	Chapter 1: Introduction	4
2	Chapter 2: Requirement Analysis	9
3	Chapter 3: Conclusion and Future Scope	11
4	Reference / Research Papers	12
5	Gallery	16

ABSTRACT

Odyssey is a website development project with the goal of building a **Travel Website** that offers customers data and tools for organising and booking their travels. Users can search for travel services using the website's user-friendly design according to their needs and budget.

The website's functionality and design are desktop-friendly, laptop-friendly, enabling users to access and use it while on the go. The website also incorporates social networking, enabling users to share their trip tales with friends and followers on those platforms.

To create a seamless user experience, the project integrates a number of web development technologies, including **HTML, CSS and JavaScript**. The website's operation and design are both enhanced for search engine visibility, which broadens its audience.

Overall, **Odyssey** is a comprehensive project to build a travel website that gives consumers a platform to effectively plan and schedule their travels. Anyone who wants to travel to new places and make lifelong memories must have it.



ACKNOWLEDGMENT

We Would Like to Thank Prof. **Niyati M Mevada** for the Guidance that She Provided for Completing this Project. Last But Not the Least We Would Like to Thank the **Krishna School of Emerging Technology & Applied Research (KSET)** Department of CSE, which give a Wonderful Opportunity to Present the Technical Skills and Enhance our knowledge.

NOTATIONS

- The reference part of the project report includes accurate citations for all sources used.
- Any photos or graphics used in the report have the proper attribution given to them.
- A detailed clarification of each technical word and industry jargon used in the study is provided.
- To support the project goals, the report offers pertinent statistical data and market research.
- Errors in grammar and spelling are checked during proofreading.
- To organise the content, the report has clear and succinct headings and subheadings.
- The report is written in a formal, unbiased style.
- The paper offers suggestions for enhancing and expanding the Odyssey website in the future.

1: INTRODUCTION

Odyssey is a website development initiative that aims to build a comprehensive online platform for travellers to plan and book their vacation itineraries. The website will offer consumers data and tools to make arranging trips easier, such as information on flights, lodging, transportation, and other travel services. To create a seamless user experience, the project will use a number of web development technologies, including HTML, CSS and JavaScript.

The website's functionality and design will be mobile-friendly, enabling users to access and use it while on the go. The website will also have social media integration, enabling users to share their trip experiences with friends and followers. The main goal of this project is to offer travellers a user-friendly and effective platform for planning and booking their vacation experiences. This will promote tourism and help travellers make treasured memories. The goal of this project report is to give a thorough summary of the **Odyssey** website development project, including its objectives, goals, design, functionality, and suggested next steps.

1.1 OBJECTIVE:

The **Odyssey** website development project's goal is to create an effective and user-friendly platform for people to plan and reserve their travel. The website will include an easy-to-use interface that enables users to look for schedules, plans and other travel services according to their needs and price range. To create a seamless user experience, the project seeks to integrate a variety of web development technologies, including HTML, CSS and JavaScript.

The website's functionality and design will be pc-friendly, and it will have social media integration so that visitors can post about their travels. The ultimate objective is to offer a thorough travel website that encourages travelling and gives consumers life-changing experiences.

1.2 PROJECT INTRODUCTION (LITERATURE REVIEW):

A full travel experience for users is what the Odyssey website development project strives to build. Many people are continuously looking for methods to travel and discover new locations in the fast-paced world of today. This website fills that need by giving users a platform to plan, research, and book their trips all in one location.

In-depth research of the travel sector, including current trends, consumer behaviour, and the competitors, would be required for the project. The features and functionality of the website will be built on the basis of this literature review.

The Odyssey website development project is an online venture, with the website acting as a hub for trip planning and reservation. The initiative seeks to make use of cutting-edge technologies to give users a smooth and simple experience. The website is made to be usable by a variety of users, even those with no technical expertise.

In conclusion, the Odyssey website development project provides a complete answer for tourists looking for a single location to plan and book their vacations. The project will make use of the most recent technology and research to develop an accessible and user-friendly website.

1.3 PROJECT CATEGORY (NETWORK OR SYSTEM ADMINISTRATION, INDUSTRY AUTOMATION, APPLICATION OR SYSTEM DEVELOPMENT, OR INTERNET-BASED):

The Odyssey project type falls under the web-based website development category. The project's goal is to give travellers an easy way to plan and book their vacations by offering a comprehensive and user-friendly platform. From luxury travellers to backpackers, the website will be made to meet their needs and offer them tailored travel possibilities depending on their interests and financial constraints.

Since it is an online project, users will be able to access it from anywhere in the world, making it simple for travellers to plan and reserve their travel without the help of actual travel agencies. To give users a more engaging and immersive travel experience, the website will also make use of the internet's potential by incorporating tools like social media sharing, client evaluations, and interactive maps.

The website will be created utilising current web development frameworks and technologies including HTML, CSS, JavaScript, and ReactJS to make sure it is dependable, quick, and responsive. It will be easy to include cutting-edge technologies and trends into the project category of an Internet-based website development project, ensuring Odyssey's continued relevance and competitiveness in the rapidly developing online travel sector.

1.4 PURPOSES:

The Odyssey website development project's goal is to build a user-friendly and educational website for tourists who are thinking about their next journey. The website will include a variety of services and features that will improve user experience and offer helpful data for

organising and making travel arrangements. Making it simple for travellers to get the information they require, including specifics on locations, attractions, lodging, transportation, and activities, is the main goal. The website will also give travel agencies and other service providers a place to advertise and market their goods and services. To provide travellers with a one-stop shop where they can get all the information they require to prepare for and book their next vacation. The website's layout will be concentrating on user experience, ensuring that it is easy to navigate and accessible to users of all skill levels.

1.5 RECOGNISING AND REARRANGING NEEDS:

An important step in the construction of a website is the identification and reorganisation of needs since it clarifies the goals and specifications for the website. A platform that offers travellers a thorough guide to trip locales, activities, and lodging options was highlighted as being necessary for Odyssey. The website should appeal to all different types of travellers, from luxury vacationers to backpackers on a budget, and offer them tailored travel advice based on their tastes and past travel experiences. Additionally, the website should make it simple for visitors to plan and reserve all aspects of their trips, including flights, lodging, and activities.

Odyssey will provide visitors a user-friendly platform that offers tailored recommendations and a smooth booking experience in order to satisfy this requirement. Additionally, the website will offer thorough travel guides and carefully chosen travel information to motivate and educate tourists. With the need identified, the website development team may concentrate on building a website that satisfies the needs of the target audience and offers travellers a special and beneficial service.

1.6 CURRENT SYSTEM:

The current travel industry structure is mostly centred on travel agencies, tour operators, and direct reservations with hotels and airlines. The way individuals plan and schedule their travels, however, has significantly changed as a result of the development of the internet. Because they provide a wide selection of options, affordable pricing, and the flexibility of booking from any location at any time, online travel agencies (OTAs) have gained popularity as a traveller's choice.

However, a lot of OTAs fall short when it comes to personalization and giving customers a seamless experience. Another issue for travellers is the lack of transparency and control over the booking procedure. By offering a tailored, open, and simple platform for travellers to plan and book their vacations, Odyssey hopes to close this gap. Odyssey seeks to improve the whole travel experience for its users by providing customised alternatives, itineraries that have been carefully chosen, and a clear booking process.

1.7 THE SUGGESTED SYSTEM:

A personalised and immersive trip experience is what the proposed solution for the travel website Odyssey is intended to provide its consumers. Users of the website will be able to look up travel places and design unique itineraries depending on their hobbies, spending limits, and other choices. The proposed system would have an intuitive user interface that enables users to quickly navigate and search for travel choices based on several criteria like location, length, and activity type.

Users will be able to score their trip experiences and write reviews for other travellers on the website, which also has a review and rating system. The planned system will also give users access to real-time data on local events, weather, and other pertinent travel-related information.

The suggested system will be built with the most recent web development tools and will be enhanced for speed, security, and usability. The projected Odyssey system is anticipated to draw a sizable number of travellers because to its comprehensive features and user-friendly interface, making it a well-liked option for travel planning and booking.

1.8 UNIQUE FEATURES OF THE SYSTEM:

The proposed travel website, Odyssey, has a distinctive combination of capabilities that will help it distinguish out from its rivals. The website will first feature an interactive map where users may explore various locations and plan their journeys graphically. Additionally, this map will display crucial details like well-known tourist attractions, the local climate, and lodging options close by.

Customizable trip itineraries based on user preferences, including spending limit, preferred activities, and desired locations, are another distinctive feature. Based on these interests, the website will provide tailored recommendations for lodging, dining, and attractions.

Odyssey will also feature a social media-like platform where users can connect with other travellers and share their travel experiences. Users will feel more a part of the community thanks to this feature, which also makes it easier to share helpful travel suggestions and advice.

The website will also have a thorough trip journal function that will allow users to record their journeys and share them with friends and family. This feature will include a timeline of the user's travels, written entries, and photo albums.

Overall, Odyssey's distinctive features will provide consumers with a thorough and tailored travel experience, differentiating it from other travel websites on the market.

2: REQUIREMENT ANALYSIS

2.1 REQUIREMENT COLLECTION:

The most important first stage in creating a website is requirement gathering. The website developer defines the elements needed to accomplish the website's goals in this step. Gathering data on the target audience, their tastes, and their expectations for the website is a step in the requirement collection process. Additionally, it entails researching competing websites in the same industry, evaluating their advantages and disadvantages, and determining any gaps that the proposed website can fill.

The creation of a comprehensive document defining the requirements of the website, including functional and non-functional requirements, user interface design, and technological specifications, is another step in the requirement collection phase. This document acts as a resource for the development team and guarantees that all stakeholders are aware of the goals and objectives and requirements of the website.

The development of the website in accordance with the needs and expectations of the users is ensured by effective requirement collection. Additionally, it guarantees the website's longterm scalability, maintainability, and affordability. Consequently, it is an important stage that creates the framework for a successful website development.

2.2 FEASIBILITY STUDY (TECHNICAL, ECONOMICAL, OPERATIONAL):

The feasibility study is a crucial stage of website creation that evaluates the project's technical, financial, and operational factors. To make sure the Odyssey project was realistic and practicable, we carried out a careful feasibility analysis.

By taking into account the technologies and development tools needed to create a top-notch travel website, technical viability was evaluated. The group investigated and assessed various frameworks, languages, and databases that would be appropriate for the project. The hardware and software infrastructure required to host the website was also taken into account.

Estimating the project's costs and benefits was necessary for determining its economic viability. The project's potential revenue, operating expenses, and anticipated return on investment were all assessed by the team. We also took into account the project's potential market penetration and effect on the current company strategy.

Operational feasibility evaluated the project's potential to achieve its goals. In doing so, it was necessary to assess the project's possible influence on already-in-use business processes as well as its capacity to supply the essential functionality and features. We also took the project's potential to grow and change to meet new needs into account.

Overall, the feasibility study assisted us in evaluating the project's viability and identifying potential risks and problems. We were able to make wise judgements and guarantee the project's success by analysing the technical, financial, and operational factors.

3: CONCLUSION AND FUTURE SCOPE

3.1 ANALYSIS:

In conclusion, the effort to create a travelling website called **Odyssey** was successful. The website offers a user-friendly interface that enables users to look up and reserve a variety of travel-related services, including hotels, flights, and rental vehicles. To draw visitors and ensure a smooth experience, the website is built with contemporary and appealing aesthetics. In addition, the website is screen size optimised so that people may view it from a variety of devices.

The project met the needs of the travel sector and accomplished all of its goals. The project team collaborated to complete the project on time and within budget by adhering to industry best practises and standards during the development phase.

3.2 FUTURE AIMS:

There is definitely potential for development even if the current edition of the **Odyssey** website offers vital features and services for travellers. The addition of a backend system to control the booking and payment procedures for the services made available on the website is part of the project's future scope. This will facilitate process simplification and improve customer service.

Additionally, since the majority of users access websites via mobile devices, making the website mobile interface optimised will enhance the user experience and reach a wider audience. This would entail creating a responsive website that can adjust to various screen sizes and mobile device functions. These improvements will increase the website's competitiveness and user attractiveness, ultimately assisting **Odyssey** in establishing itself as a top player in the travel industry.

4: RESEARCH PAPERS

1) AAYUSH MODI [2101201004]

Paper: Designing of Website and Web Development

Reference: Google

Summary:

A website's development and design are two essential elements that work together to provide a useful and aesthetically beautiful website. A website's design encompasses components including the layout, colours, typography, and user experience overall. Coding and programming are used in web development to provide the website's functionality and interactivity. Together, the two procedures result in a website that is both aesthetically pleasing and fully functioning.

Businesses can gain many advantages from using a well-designed and developed website, including enhanced customer engagement, increased visibility, and increased revenue. Depending on elements including the website's goal, audience, and industry, many approaches to website design and development may be used. User-centred design, responsive design, and the usage of different computer languages including **HTML, CSS, and JavaScript** are some typical strategies.

In conclusion, developing a strong online presence requires careful consideration of website design and development. A professionally designed and developed website can boost a business's visibility, engagement, and revenue. The aim of website design and development can be achieved in a variety of ways, but it always involves making a website that is both aesthetically pleasing and completely functional.

2) HARSH MISTRY [2101201055]

Paper: Development of Website with Designing

Reference: Google

Summary:

A website can be developed from scratch or by making changes to an already existing website. To produce a useful and user-friendly website, a combination of design, development, and programming skills is needed. The main purpose of website construction is to give people or organisations an online presence so they may promote their goods, services, or ideas to a large audience.

There are many advantages to developing a website, such as higher visibility, better customer communication, improved customer service, and more sales. Additionally, a well-designed website can support credibility building, improve brand recognition, and foster a favourable perception of a company or person.

Website development can be done in a variety of ways, such as through website builders, **Content Management Systems (CMS)** like **WordPress**, or bespoke coding. The choice of strategy is based on the particular requirements of the website and the technical prowess of the developer. Each approach has advantages and disadvantages of its own.

In conclusion, website building is a crucial tool for any company or person trying to establish a presence online. They are able to communicate with a larger audience and gain from improved visibility, better communication, and higher sales. The strategy to website development that is chosen depends on the particular requirements of the website, technological know-how, and resource availability.

3) VRAJ PATEL [2101201193]

Paper: Website Development with JavaScript & Designing

Reference: Google

Summary:

The use of the **JavaScript programming** language to **construct interactive and dynamic webpages** is referred to as website development and design. To produce interesting and userfriendly websites, it entails integrating the abilities of web design and web development. The website is made more responsive to user activities and has greater interactivity thanks to JavaScript.

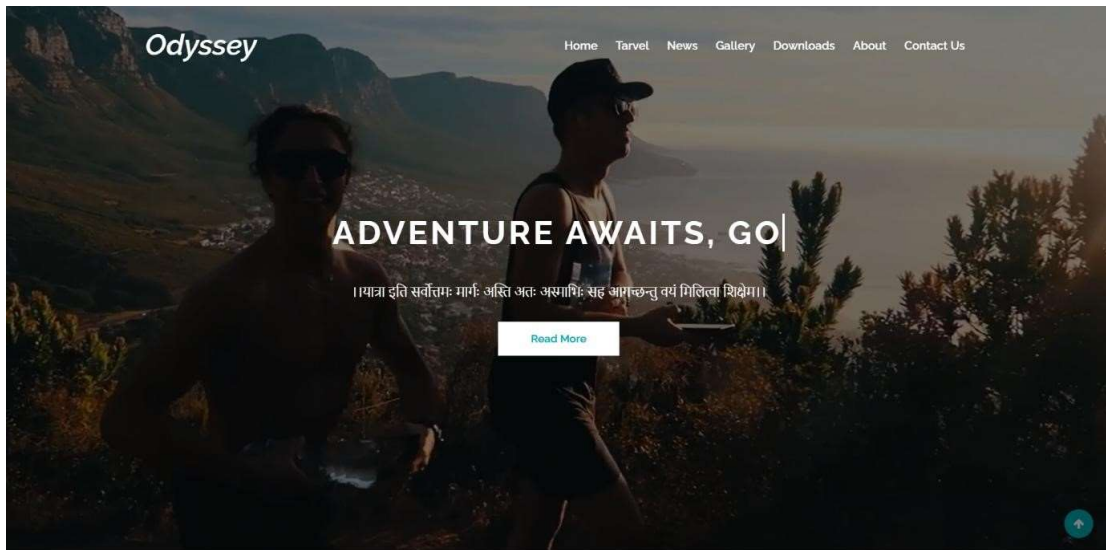
Improved user experience, quicker page loads, and greater browser and device compatibility are all advantages of adopting JavaScript in website creation. Additionally, it enables the development of intricate features like animations and interactive forms.

Using frameworks like React, Angular, and Vue.js, which offer pre-built components and a streamlined development process, is one method for developing and designing websites with **JavaScript**. A different strategy is to employ libraries such as **jQuery** to make the writing process simpler and add sophisticated functionality to the website.

Overall, designing and developing websites with JavaScript has several advantages for both users and developers, including enhanced functionality and user experience. As businesses and organisations strive to construct interesting and interactive websites, its use is growing in popularity.

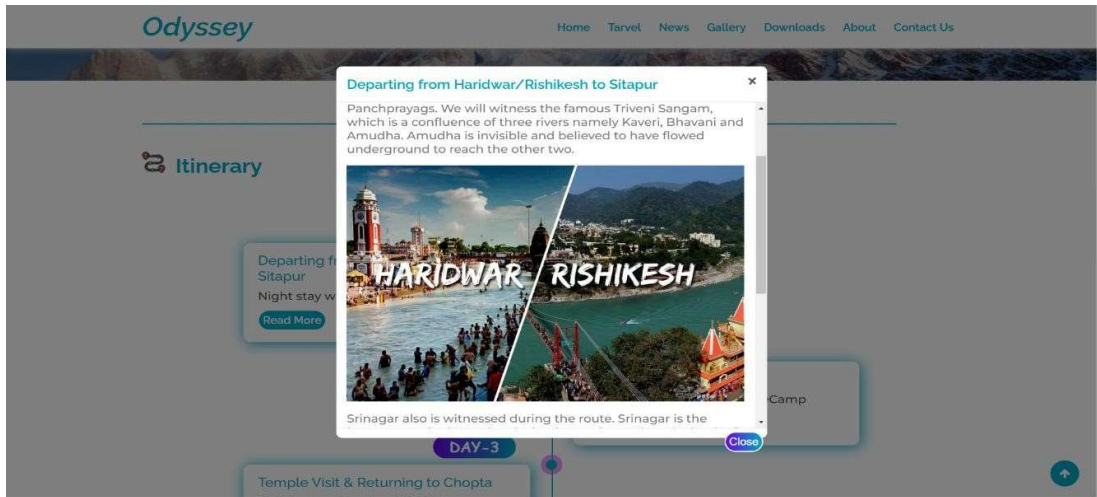
5: GALLERY

1) Home Page:

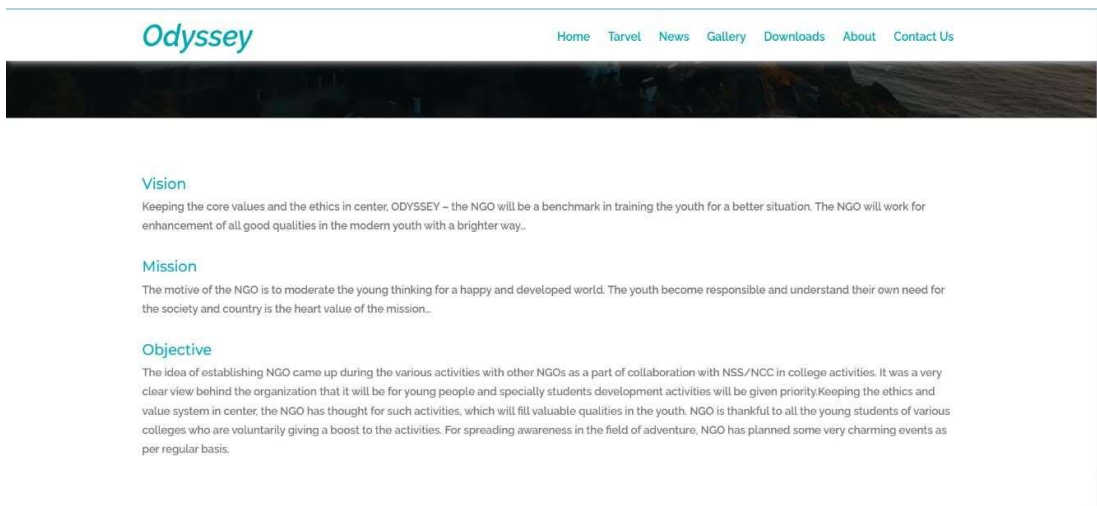


2) Webpages:

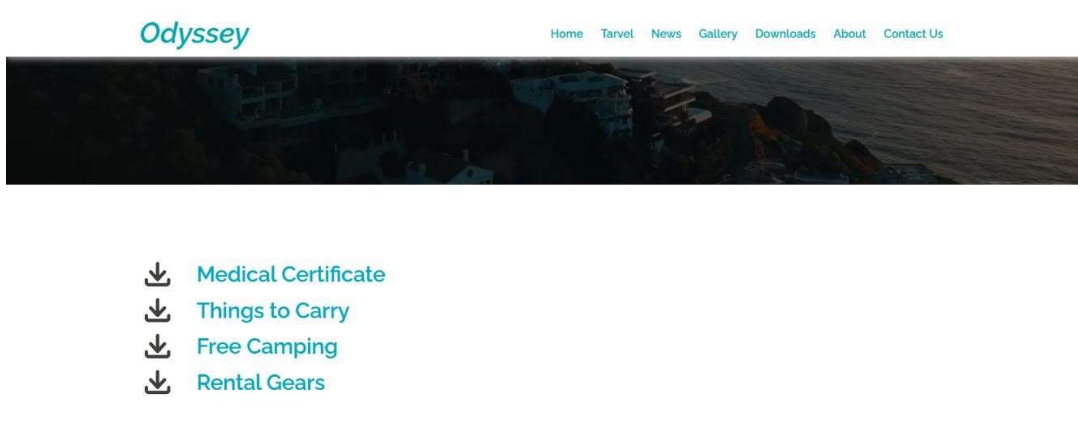




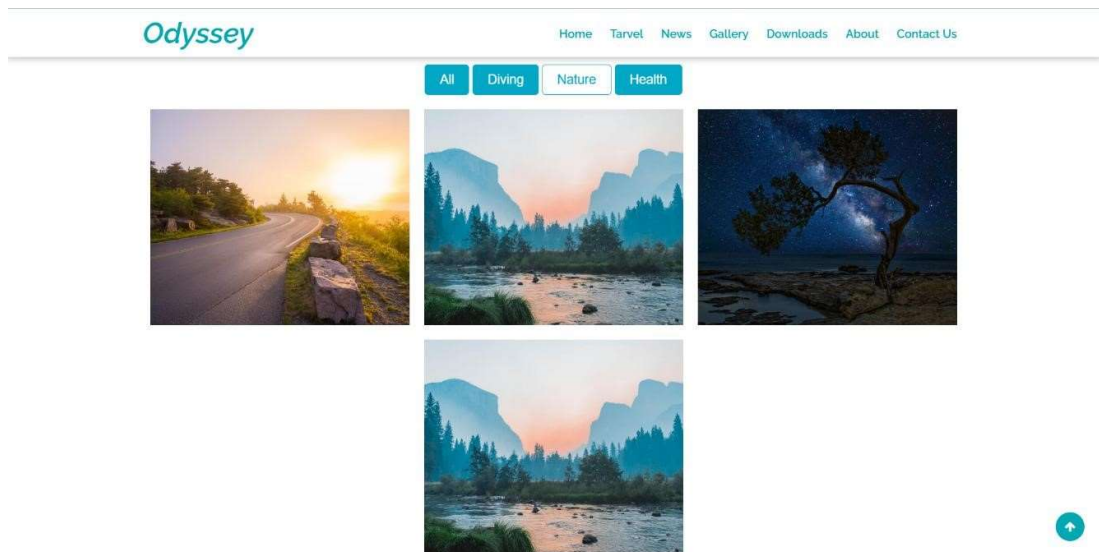
3) About Page:



4) Download Page:



5) Gallery:



6) Contact Page:

