

BSc (Hons) in Computing Level C/I/H



INDIVIDUAL ASSIGNMENT

Module Code & Title: COM40004 - Web Development and Operating Systems-1

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Instructor: Ms. Dilani

Word Count:

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Table of Contents

Introduction	Error! Bookmark not defined.
About website	Error! Bookmark not defined.
Development of Website	Error! Bookmark not defined.
Low Fidelity Diagrams.....	Error! Bookmark not defined.
Desktop UIs	Error! Bookmark not defined.
Mobile UIs.....	19
Validation screenshots.....	29
References.....	32

Turtle Hatcheries in Sri Lanka Website

Introduction

The website "Turtle Hatcheries in Sri Lanka" is a great resource for spreading knowledge and increasing public awareness of Sri Lanka's turtle conservation efforts. The website strives to teach people about various elements of turtle hatcheries, their significance, and the conservation difficulties these lovely animals confront through its user-friendly interface and richness of content.

Users are drawn in by the website's main page's attention-grabbing design and engaging information, which serve as a welcoming entrance. It highlights the importance of turtle conservation and the crucial role that hatcheries play in safeguarding these fragile species while providing an overview of the website's objectives and mission. With its vibrant narrative and magnificent graphics, the main page sets the stage for an immersive voyage into the world of turtles.

One of the website's most significant sections, the "Turtle Categories" page, offers a complete description of the many turtle species found in Sri Lanka. Visitors can discover more about the several turtle species that inhabit along the area's coastline, including the Green Turtle, Olive Ridley Turtle, Loggerhead Turtle, Hawksbill Turtle, and Leatherback Turtle. The descriptions of these remarkable species' appearance, behaviour, and nesting behaviours are provided in each category.

The "Hikkaduwa Turtle Hatchery" page is the first dedicated page on the website for specific turtle hatcheries. Visitors can learn more about the innovative projects and conservation efforts made by the Hikkaduwa Turtle Hatchery, which has established itself as a trailblazing institution in Sri Lanka's conservation landscape. The page highlights the hatchery's accomplishments, including saving and treating injured turtles, running educational events, and encouraging environmentally friendly travel methods. The website also features Kosgoda and Bentota, two more well-known turtle hatcheries in Sri Lanka, in addition to the Hikkaduwa Turtle Hatchery. A detailed look at each hatchery's conservation efforts, accomplishments, and contributions to the preservation of turtles in the area may be found on each one's own devoted page. The website's goal is to persuade people to support these hatcheries' efforts and assist conservation by giving thorough profiles of them.

The website's informative "Threats to Turtles" page recognizes the risks that turtles face in their natural habitats. It draws attention to a number of human-caused issues that pose major risks to these vulnerable animals, including habitat degradation, pollution, illicit trafficking, and climate change. In order to reduce risks and protect turtles' future, the website aims to promote responsible behaviours among users and encourage them to take action.

A special "Purchase and Donate" page is also available on the website, giving users the chance to actively support conservation efforts. Users can look into ways to help turtle hatcheries using this page, including making donations, purchases of goods, and volunteering. This area aims to promote a sense of neighbourhood involvement and equip visitors to take an active role in the conservation movement.

The website "Turtle Hatcheries in Sri Lanka" is a fantastic resource for anyone interested in turtle conservation and the incredible work done by Sri Lankan hatcheries, therefore in conclusion. The website encourages readers to appreciate the value of turtle conservation, learn about the various species, understand the hazards they face, and contribute to their preservation by providing a wealth of knowledge through its comprehensive pages. By raising awareness and promoting involvement, this website is crucial to maintaining the survival of turtles in Sri Lanka.

Development of the Website (HTML and CSS)

The "Turtle Hatcheries in Sri Lanka" website was created using HTML and CSS with a focus on using animation to interest users. The use of animations enhances the website's aesthetic appeal and interactivity.

On the website's pages, animations are employed to enhance the user's first impression. As soon as the page appears, users are greeted by captivating animations that capture their attention and create

a visually appealing experience. These animations could include subtle transitions, motions, or fade-ins that bring the page's elements to life.

Furthermore, hover animations are used all throughout the website to give users an interactive experience. Animations are started when users hover their cursor over interactive components like buttons or links in order to give visual feedback and grab their attention. A dynamic and interactive environment is created by these animations, which can be as simple as color changes, underlining movements, or image enlargements.

The website becomes more dynamic and engaging by including animations on load and hover. Visitors will love browsing more because it brings a touch of delight and surprise. Additionally, by directing visitors' attention to key content, calls to action, or navigation alternatives, these animations enhance the website's overall usability.

Without requiring the use of any difficult scripting languages or additional libraries, these animations may be created using HTML and CSS. Thanks to well-organized CSS code and keyframe animations, the website creates seamless and aesthetically beautiful effects that enhance the user experience overall.

In conclusion, the "Turtle Hatcheries in Sri Lanka" website uses animations during load and hover to create an interesting and interactive user experience. Through the usage of HTML and CSS, the website employs subtle animations that hold visitors' attention from the moment they load the page and provide useful feedback as they interact with site elements. These animations enhance the knowledge and resources about turtle conservation in Sri Lanka's aesthetic appeal, usability, and overall enjoyment.

Link:

<https://dihansajayananda.github.io/turtle/>

Wireframes



Menu item 1

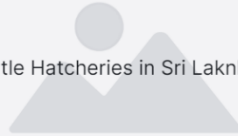
Menu item 2

Menu item

Menu item

Menu item

Turtle Hatcheries in Sri Lanka



Turtle Population



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Fundamental link in marine eco system



Turtle categories in Sri Lanka

[illegible][illegible]

Green Turtle

Leatherback Turtle

[illegible]

Olive Ridley Turtle

Turtle watching in Sri Lanka

FOOTER



[Home](#)

Categories

Hatchery



Threats to turtles

Purchase and Donate

Hikkaduwa

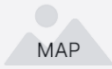
Bentota

Kosgoda

Hikkaduwa

About Hikkaduwa Turtle Hatchery

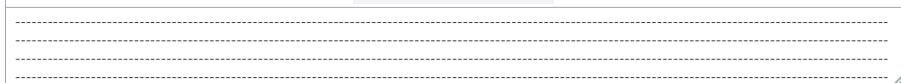
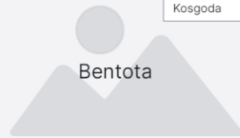
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FOOTER

Purchase and Donate

Kosgoda



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Hikkaduwa

Bentota

Kosgoda



Kosgoda

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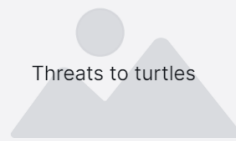
[Home](#)

Categories

Hatcheries

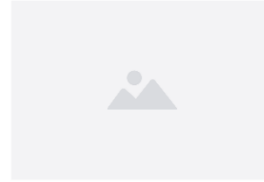
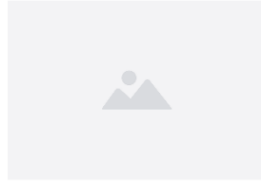
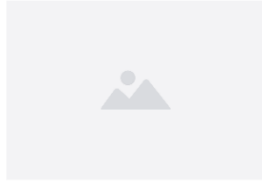
Threats to turtles

Purchase and Donate



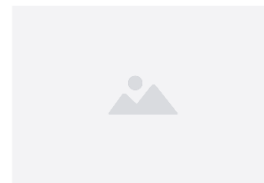
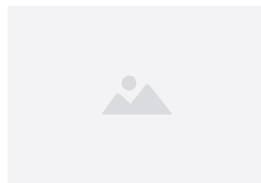
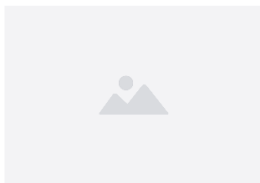
Habitat destruction

Pollution



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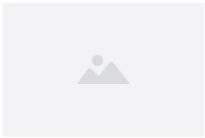
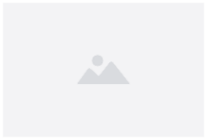
Illegal trade and harvesting



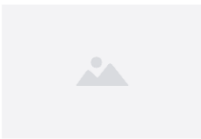
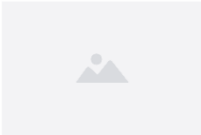
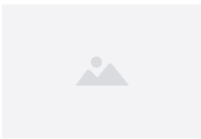
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Adopt



Local Merchandise



Mobile wireframe



Home

Categories

Hatchery

Threats to turtles

P and D

Turtle Hatcheries in Sri Lanka

Turtle population



Fundamental link in marine eco system



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Hatchery

P and D

Turtle categories in Sri Lanka

Loggerhead

Input text

Hawksbill

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Green Turtle

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Leatheback turtle

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Olive Ridely turtle

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Name of the turtle	Location	Description	Image

FOOTER



Home

Categories

Hatchery

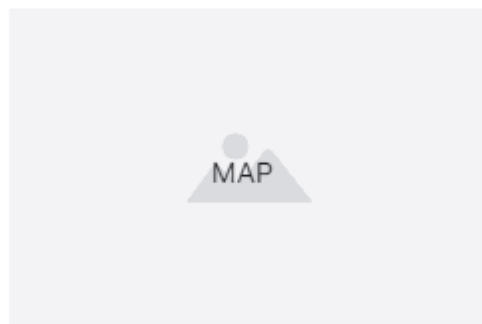
Threats to turtles

P and D



Text

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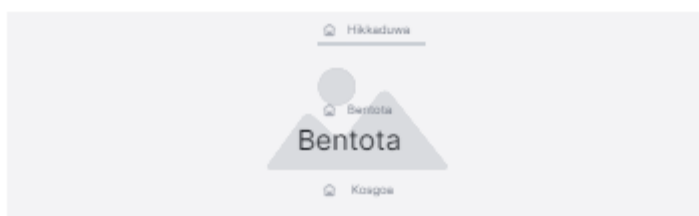
Home

Categories

Hatchery

Threats to turtles

P and D



Text

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Home

Categories

 Hatchery

Threats to turtles

P and D

 Hikkaduwa

 Berfota

Kosgoda

 Kosgoda

Text

Input text



Input text



Input text



Input text

Input text



Home

Categories

Hatchery

Threats to turtles

P and D

Threats to turtles

Text



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Text



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Text



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FOOTER



Home

Categories

Hatchery

Threats to turtles

P and D

Purchase and Donate

Text



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Text

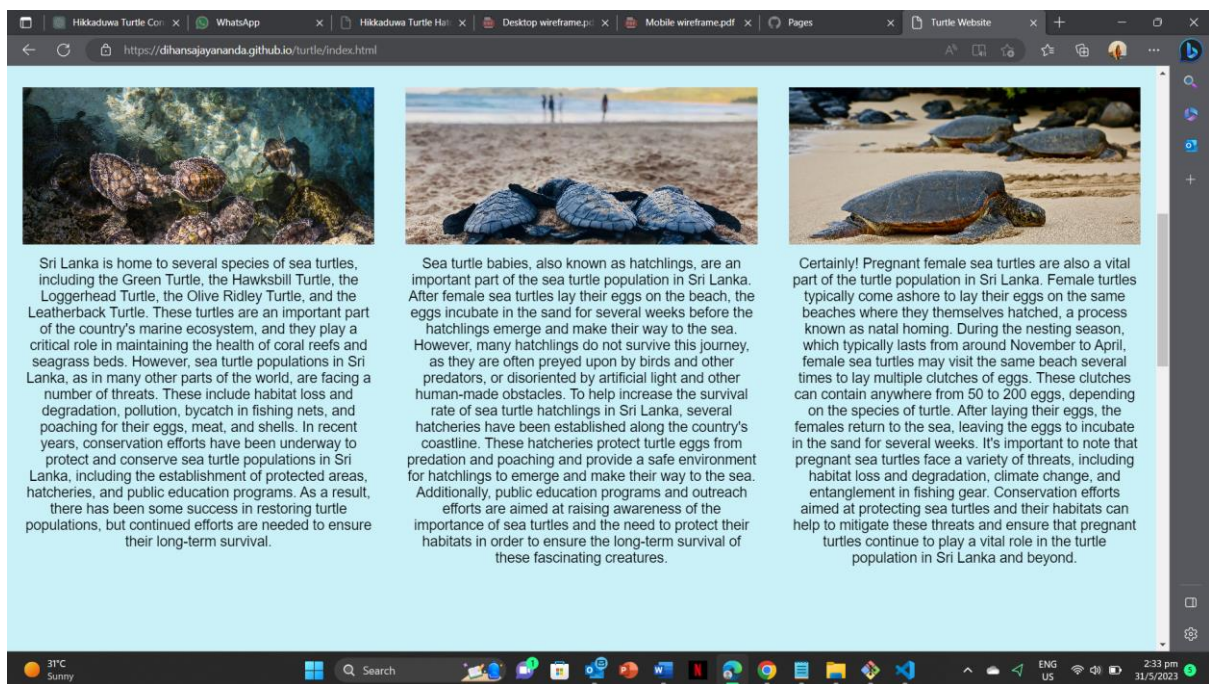
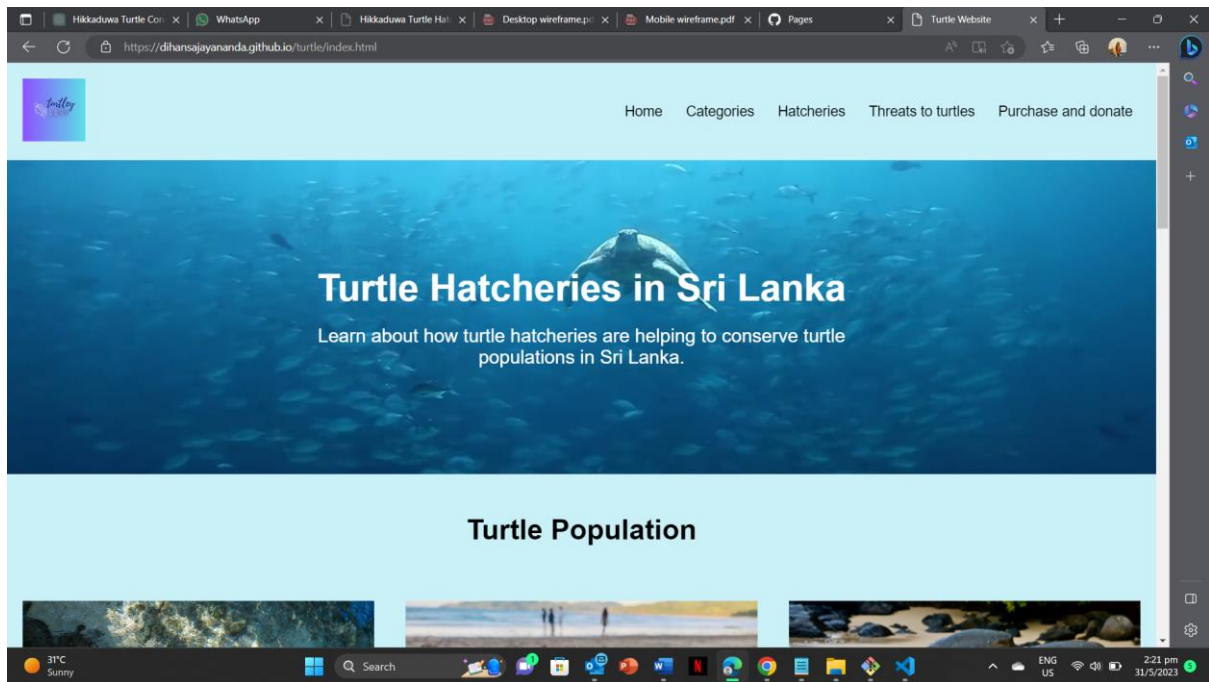
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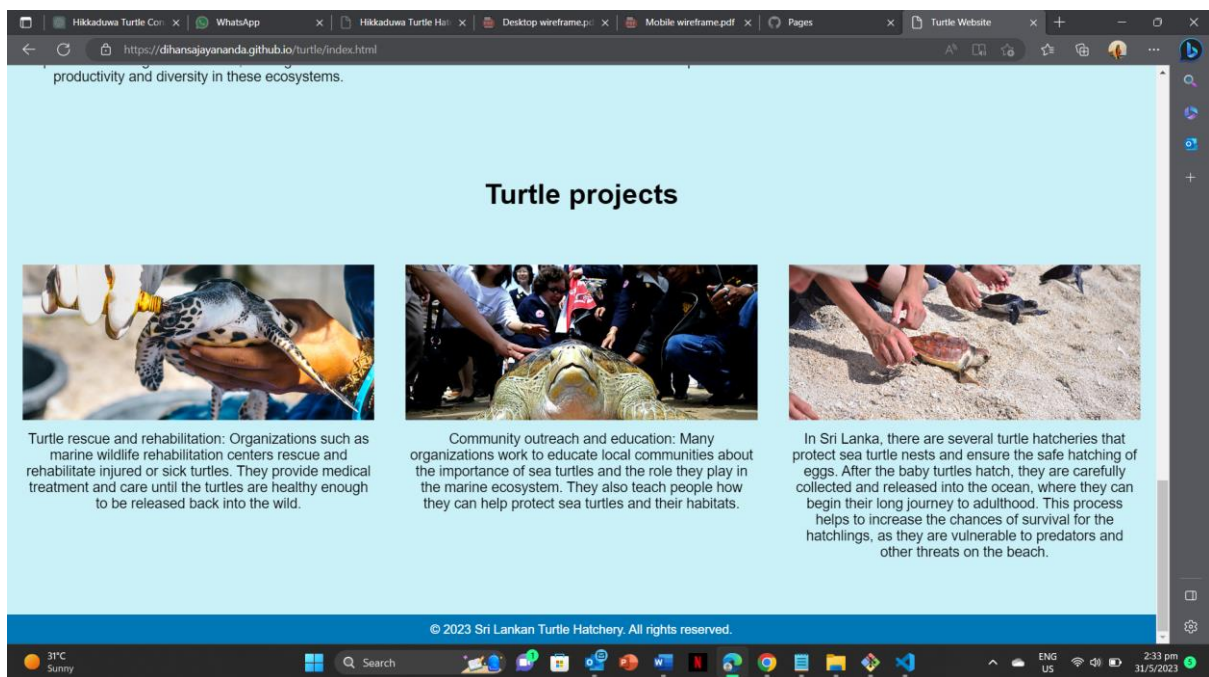
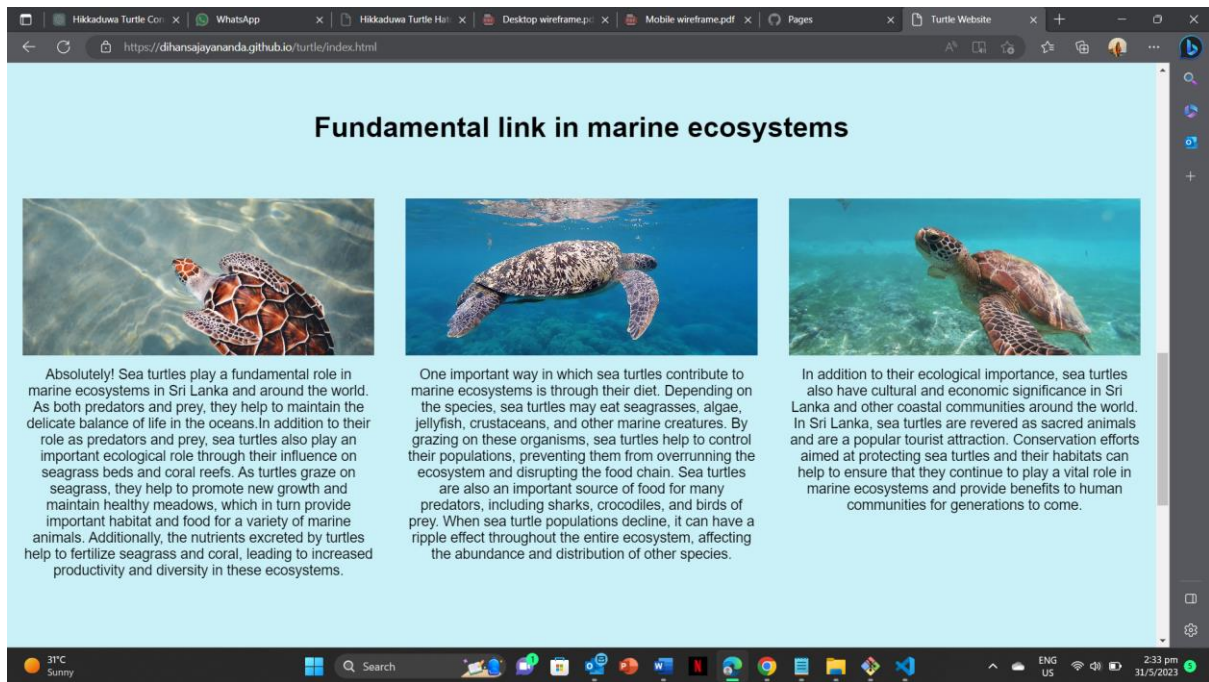


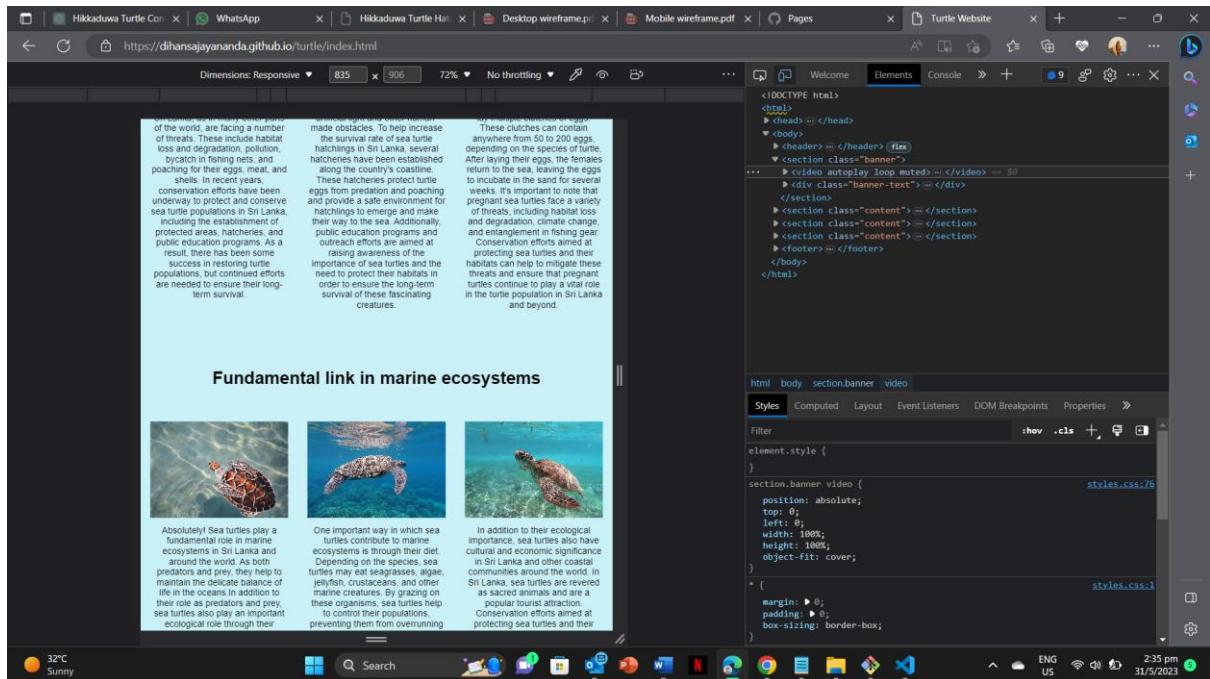
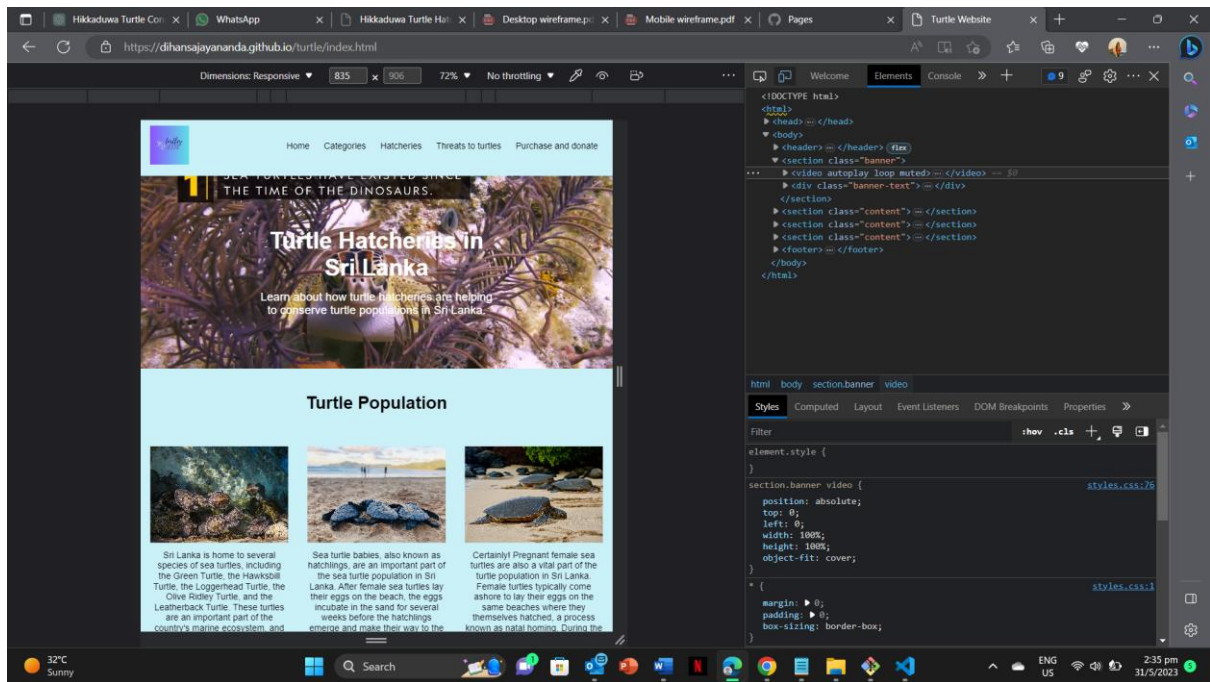
Text

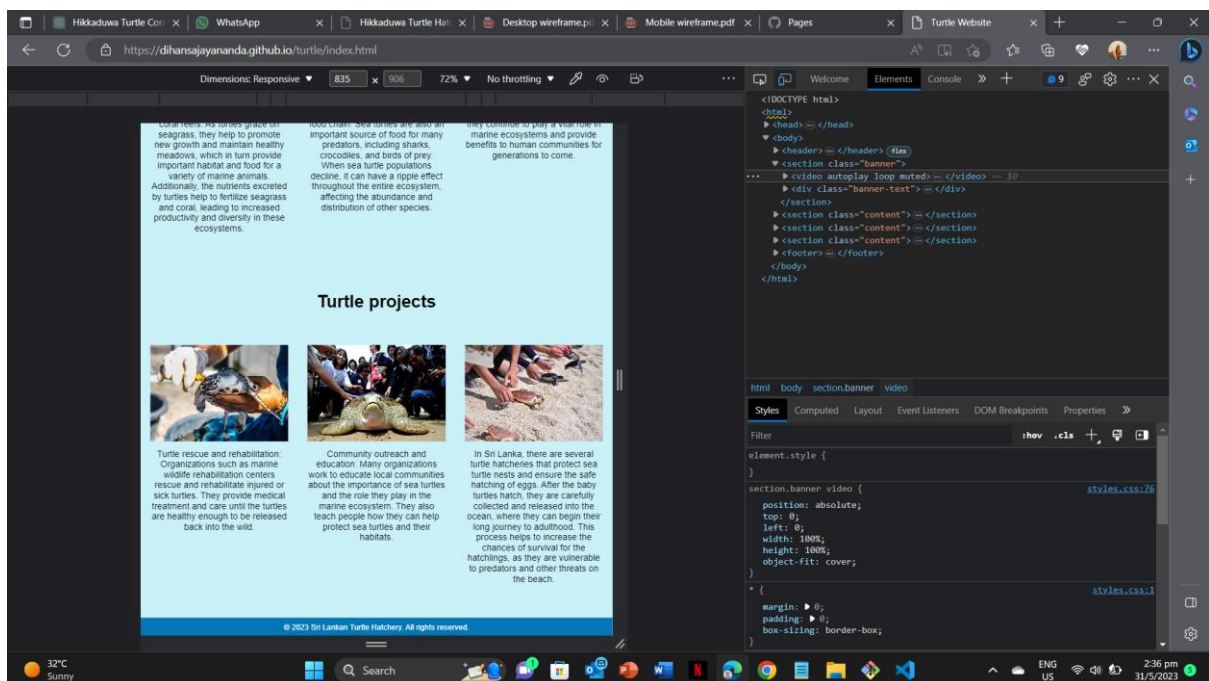
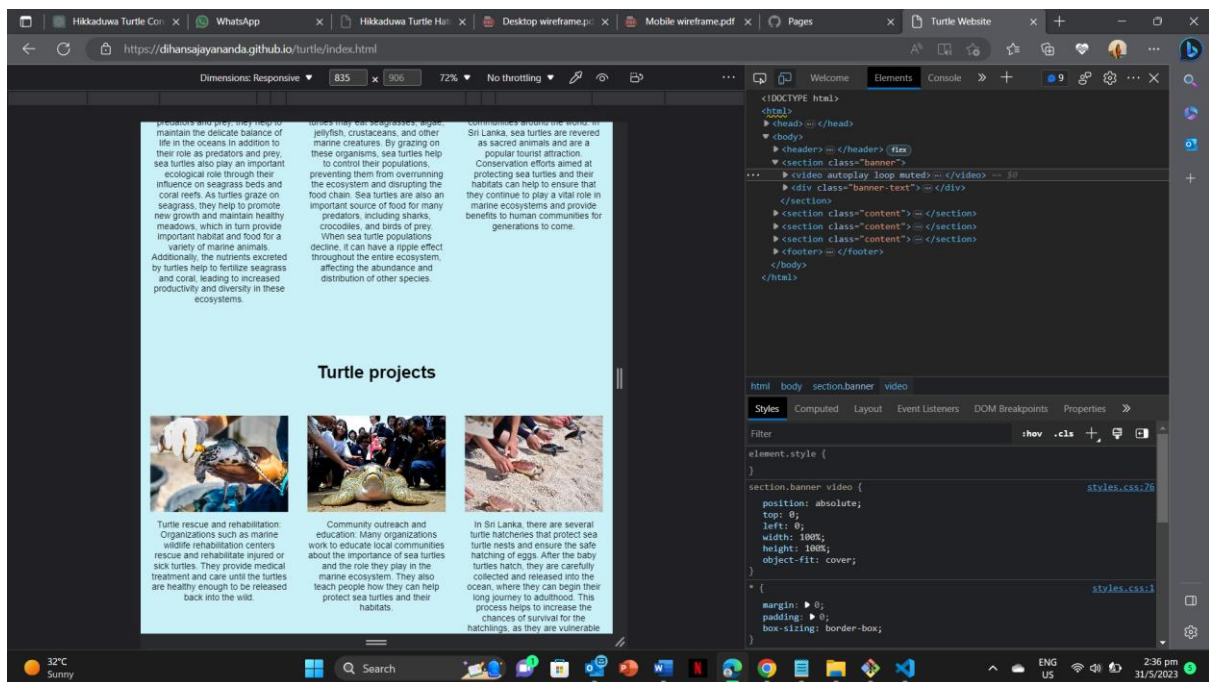
Input text

FOOTER









Referencing

Only open-source, copyright-free websites, including Unsplash, Pixabay, and Pexels, were used to find the photos used on this page. As a result, the referring section does not use Harvard referencing.

