INDIVIDUAL ASSIGNMENT

LANKA

COMP40004

WEB DEVELOPMENT AND OPERATING SYSTEMS-1

CF22A1COM,CF22A1SE, CF22A1CS

ASSIGNMENT 2 AND 3 HAND IN – 15TH NOV 2022
ASSIGNMENT 2 HAND OUT – 20TH JAN 2023
ASSIGNMENT 3 HAND OUT – WEEK 18

WEIGHTAGE: ASSIGNMENT 2: 30% ASSIGNMENT 3: 30%

INSTRUCTION TO CANDIDATES:

1. **Students are advised to underpin their answers with the use of references (cited using the Harvard Name System of Referencing).**

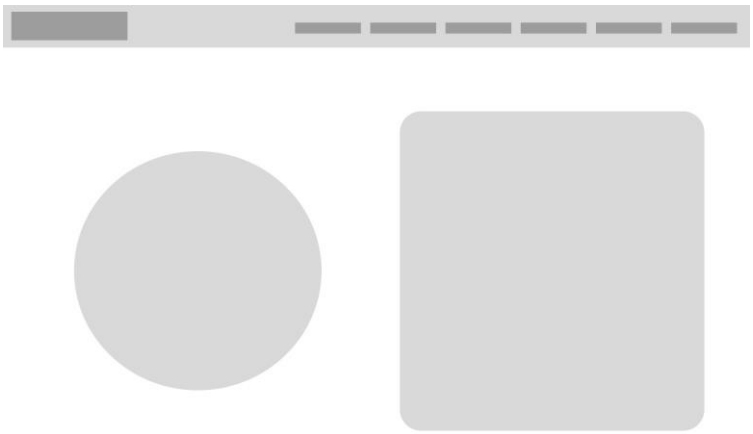
2. **Late submission will be awarded zero (0) unless Extenuating Circumstances (EC) are upheld.**

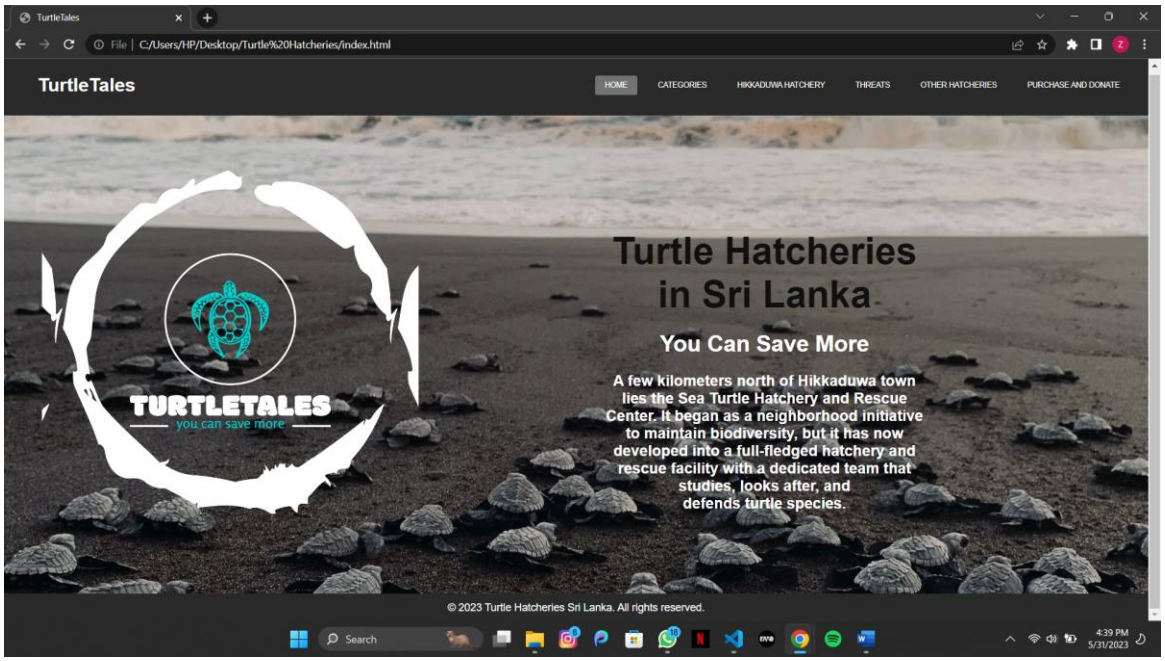
3. **Cases of plagiarism will be penalized**

4. **Assignment presentation should be submitted in the form of softcopy and hardcopy both; modeling work should be submitted in softcopy form**

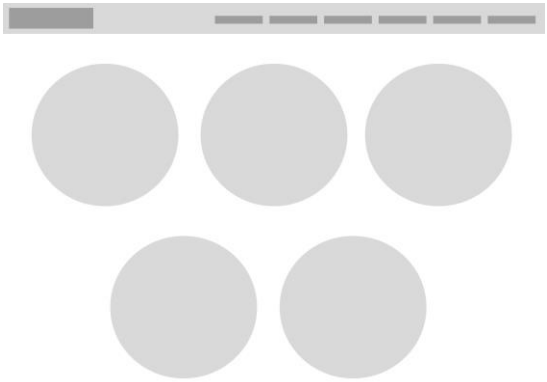
TurtleTale

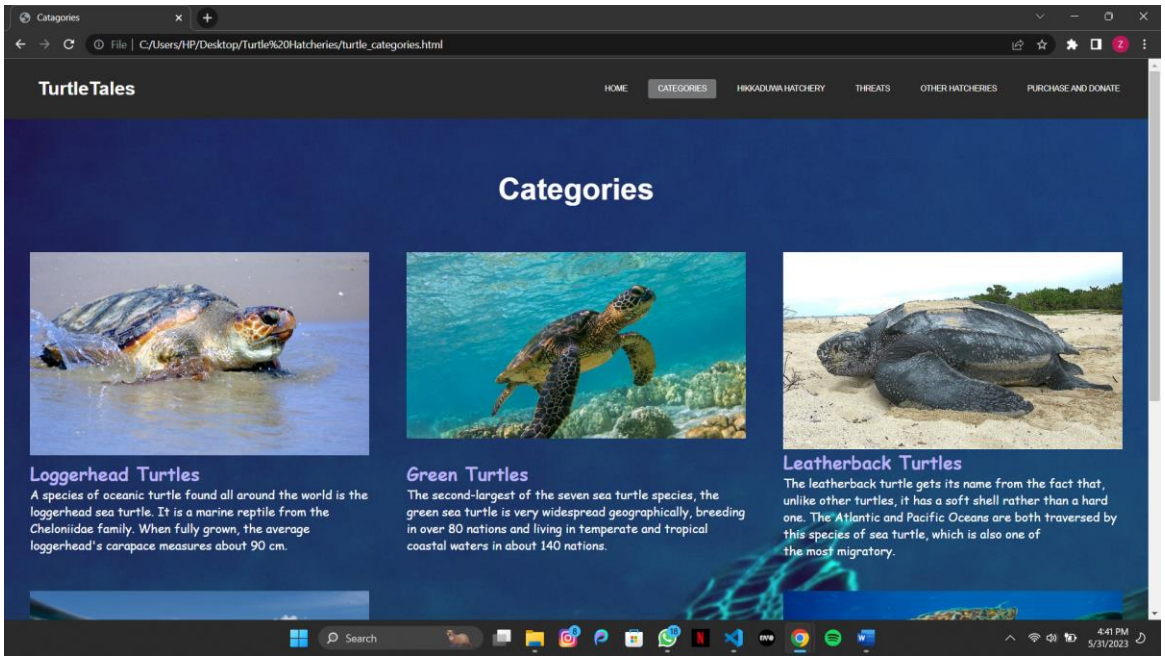
HomePage





Categories




Catagories
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TurtleTales
HOME
CATEGORIES
HIKKADUWA HATCHERY
THREATS
OTHER HATCHERIES
PURCHASE AND DONATE
Categories
Loggerhead Turtles
A species of oceanic turtle found all around the world is the loggerhead sea turtle. It is a marine reptile from the Cheloniidae family. When fully grown, the average loggerhead's carapace measures about 90 cm.
Green Turtles
The second-largest of the seven sea turtle species, the green sea turtle is very widespread geographically, breeding in over 80 nations and living in temperate and tropical coastal waters in about 140 nations.
Leatherback Turtles
The leatherback turtle gets its name from the fact that, unlike other turtles, it has a soft shell rather than a hard one. The Atlantic and Pacific Oceans are both traversed by this species of sea turtle, which is also one of the most migratory.
Search
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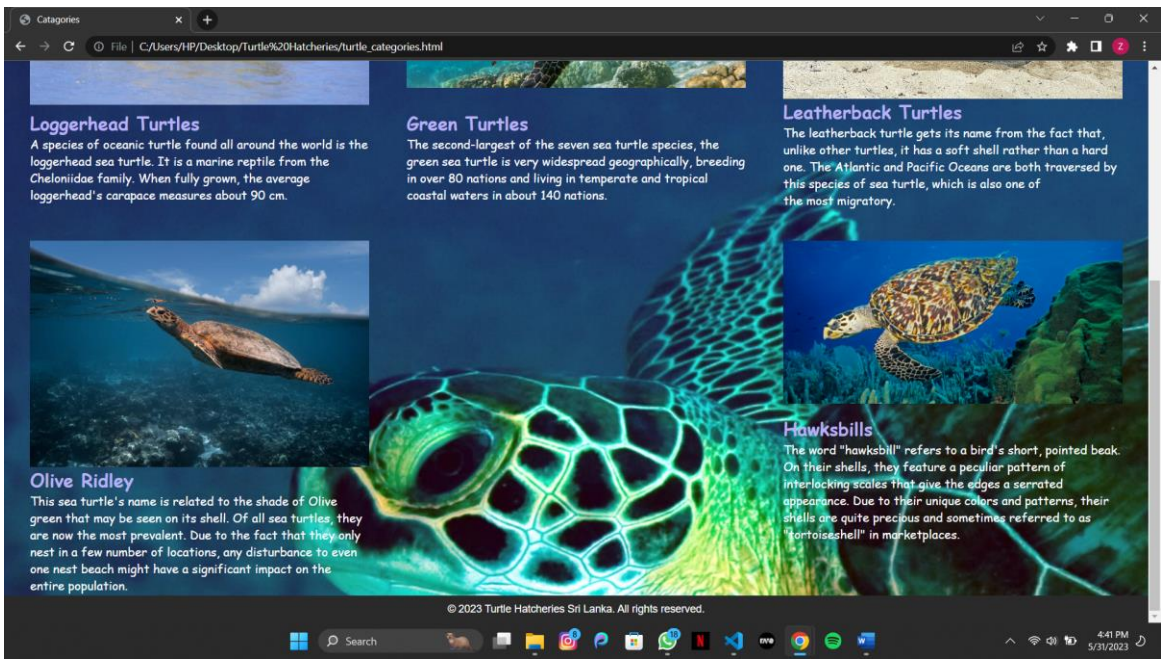
5/31/2023


Catagories
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Olive Ridley
This sea turtle's name is related to the shade of Olive green that may be seen on its shell. Of all sea turtles, they are now the most prevalent. Due to the fact that they only nest in a few number of locations, any disturbance to even one nest beach might have a significant impact on the entire population.
Hawksbills
The word "hawksbill" refers to a bird's short, pointed beak. On their shells, they feature a peculiar pattern of interlocking scales that give the edges a serrated appearance. Due to their unique colors and patterns, their shells are quite precious and sometimes referred to as "tortoiseshell" in marketplaces.
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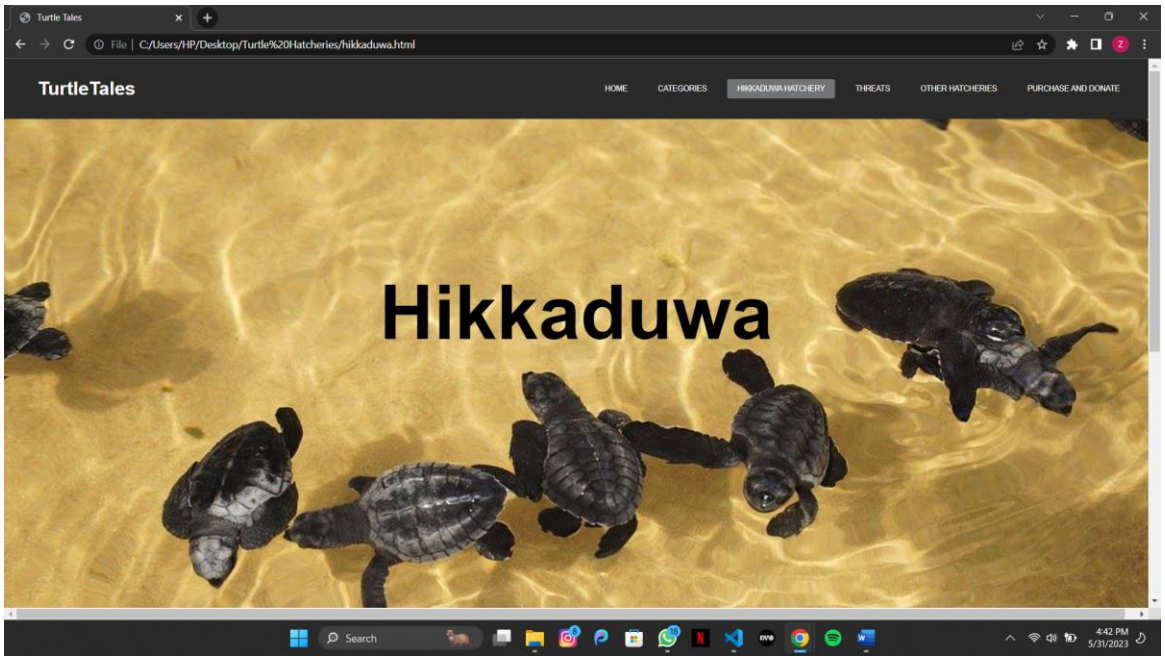
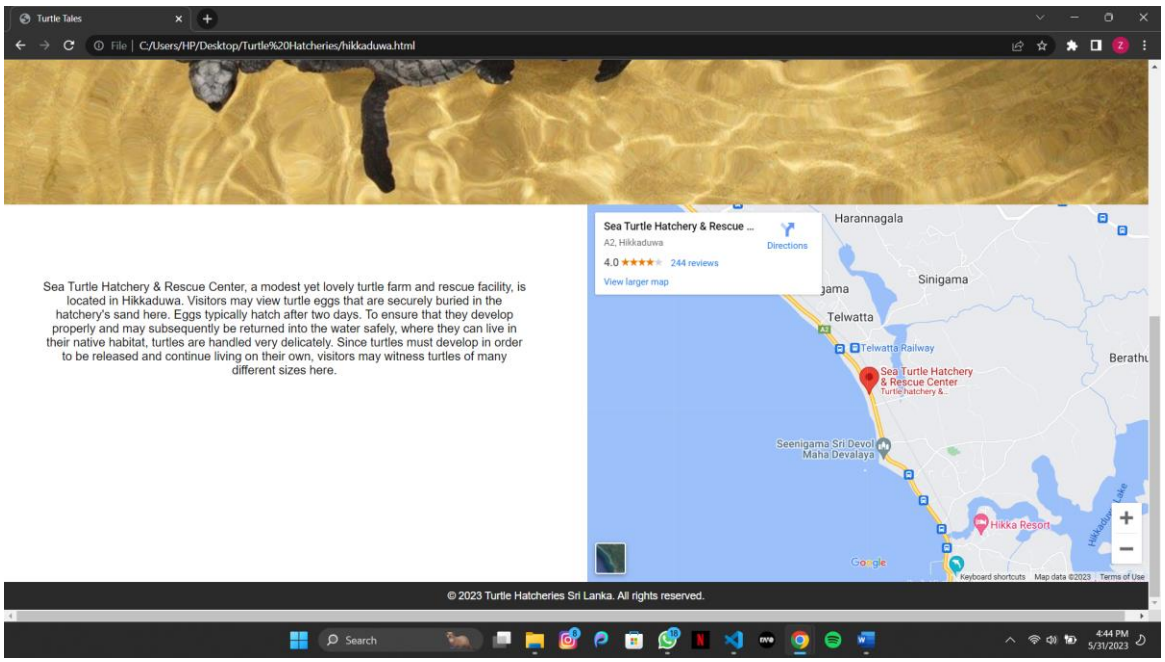
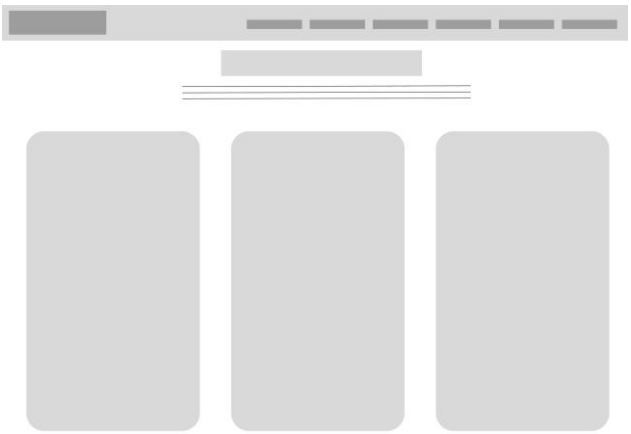
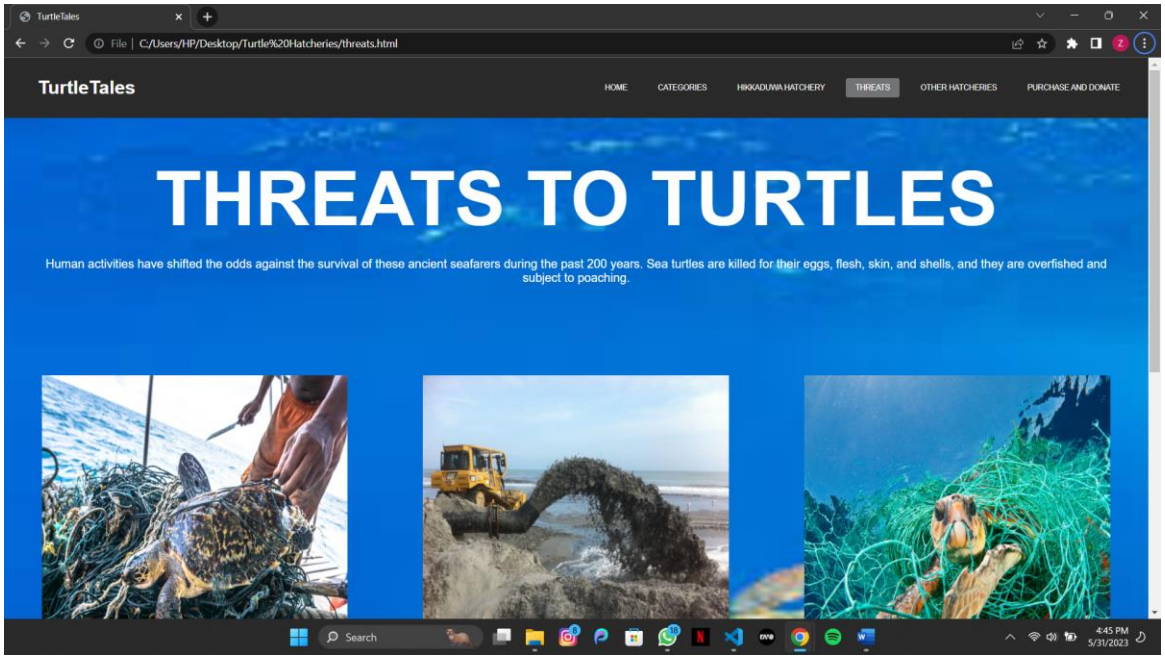
HIkkaduwa Hatchery





Threats




TurtleTales
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TurtleTales
HOME
CATEGORIES
HIKKADUWA HATCHERY
THREATS
OTHER HATCHERIES
PURCHASE AND DONATE
THREATS TO TURTLES
Human activities have shifted the odds against the survival of these ancient seafarers during the past 200 years. Sea turtles are killed for their eggs, flesh, skin, and shells, and they are overfished and subject to poaching.
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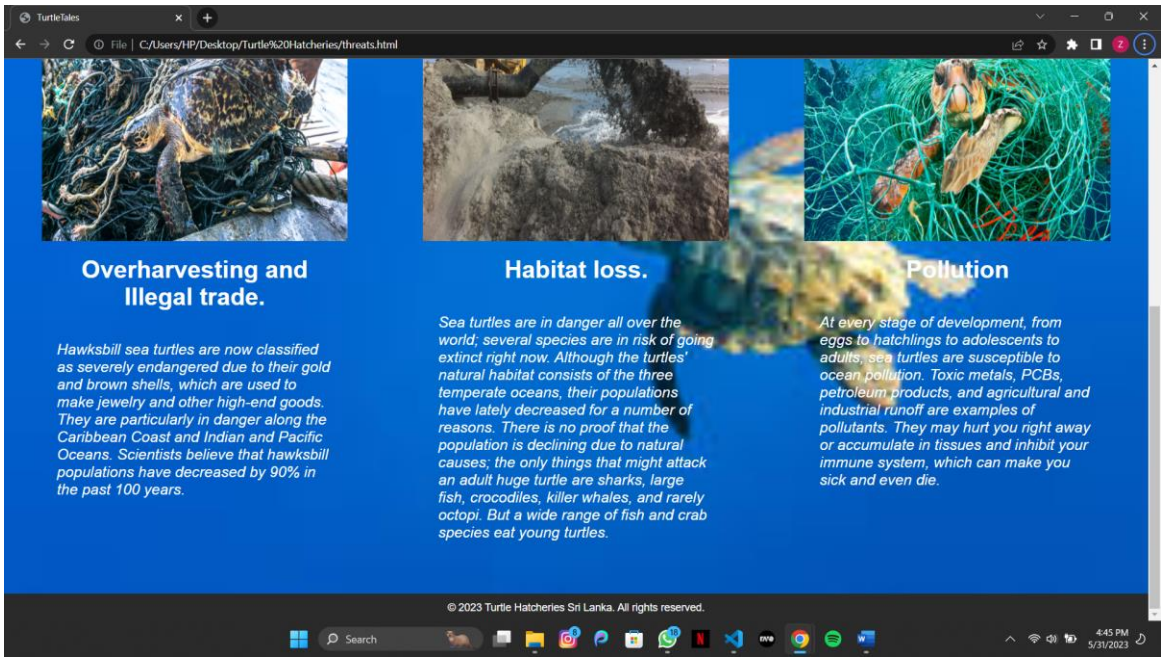
TurtleTales
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Overharvesting and Illegal trade.
Hawksbill sea turtles are now classified as severely endangered due to their gold and brown shells, which are used to make jewelry and other high-end goods. They are particularly in danger along the Caribbean Coast and Indian and Pacific Oceans. Scientists believe that hawksbill populations have decreased by 90% in the past 100 years.
Habitat loss.
Sea turtles are in danger all over the world; several species are in risk of going extinct right now. Although the turtles' natural habitat consists of the three temperate oceans, their populations have lately decreased for a number of reasons. There is no proof that the population is declining due to natural causes; the only things that might attack an adult huge turtle are sharks, large fish, crocodiles, killer whales, and rarely octopi. But a wide range of fish and crab species eat young turtles.
Pollution
At every stage of development, from eggs to hatchlings to adolescents to adults, sea turtles are susceptible to ocean pollution. Toxic metals, PCBs, petroleum products, and agricultural and industrial runoff are examples of pollutants. They may hurt you right away or accumulate in tissues and inhibit your immune system, which can make you sick and even die.
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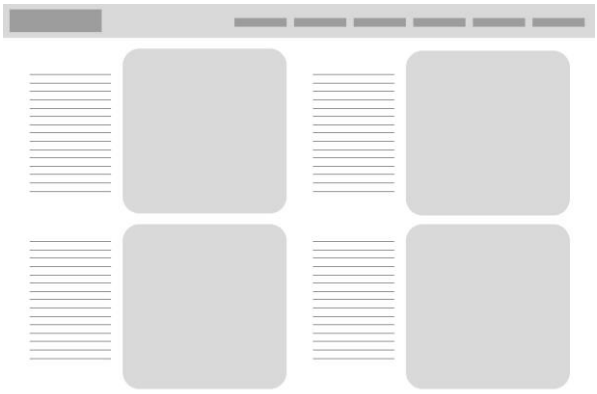
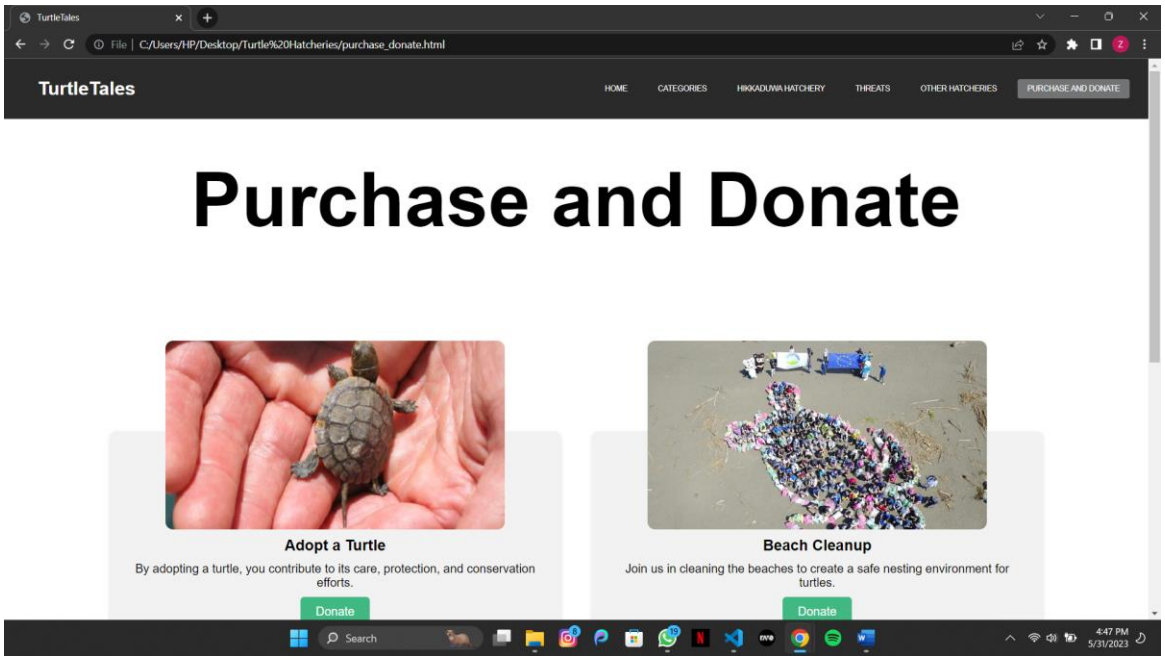
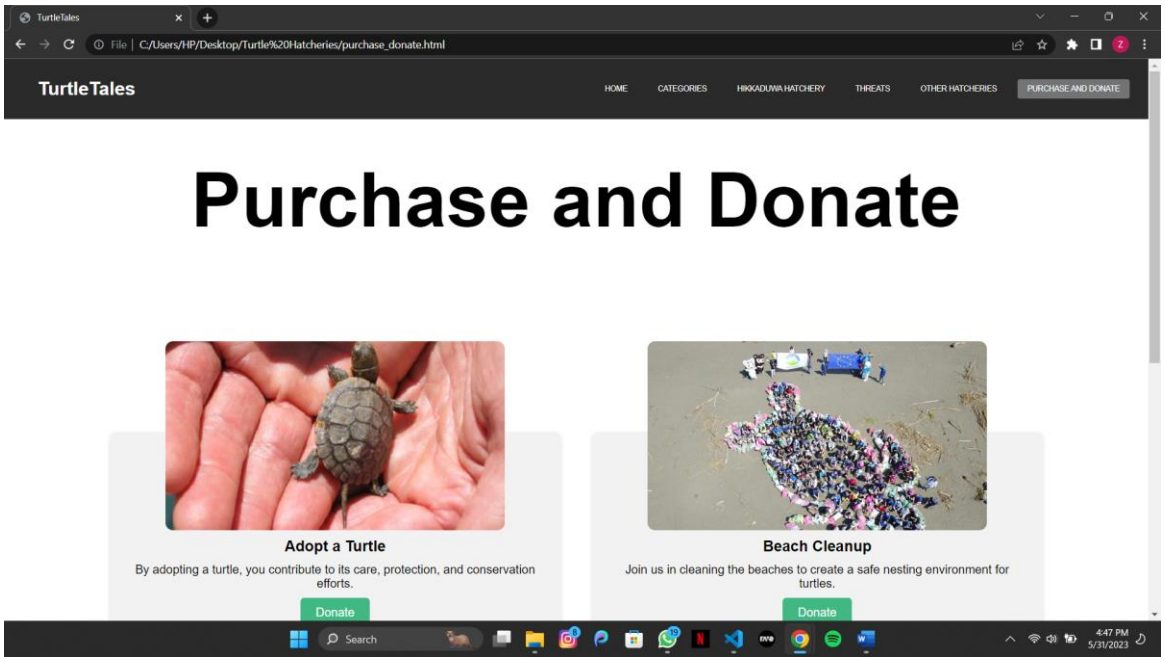
Purchase and donate







Web Application

GitHub Link:
https://zaamirrazi.github.io/TurtleTale/index.html

The web application is set up with a clear hierarchy of HTML pages that make use of semantic tags for better search engine optimization (SEO) and accessibility. The use of tags like "header," "nav," "main," and "footer" makes sure that users and web crawlers can both readily grasp the web pages. This organized approach enhances user ease while enhancing indexing.

Because users may access the program on a number of devices, responsive design is a crucial part of current web development. The online application's design and content are modified using a mobile-first strategy for portable devices. Using CSS media queries, the design can readily expanded to fit bigger displays while preserving a unified and visually pleasant presentation across devices. Due to its responsiveness, the website is easy for people to access and utilize on any device.

Conclusion:

The creation of the Turtle Hatcheries web application brought a variety of difficulties that need teamwork and original problem-solving. Solving was one of the significant challenges. Despite these challenges, we managed to produce a web application that perfectly satisfies the project's requirements. This project serves as an example of our web development skills in HTML, CSS, and JavaScript. It shows our capacity to create user-centered web applications while taking accessibility, responsive design, and performance optimization into account. By following best practices and employing cutting-edge digital technology, we have developed an engaging platform that successfully promotes turtle conservation in Sri Lanka.

Finally, both the general public and conservationists may gain from the Turtle Hatcheries Web Application.

One of the next upgrades and enhancements that will simplify things for consumers.