

Bytes4Charity

**~Solutions with a
heart**

**Hackathon Project
Presented by Swamil Randive
CSI ID-204**

Idea behind the website

This project focuses on developing a website for a non-profit organization (NGO) dedicated to a social cause.

The website aims to clearly communicate the NGO's mission, activities, and encourage visitor engagement. Key features include a mission-focused homepage, user-centric navigation, and full mobile responsiveness, making it easier for visitors to understand the NGO's mission and actively participate in its initiatives. The project leverages the web's power to promote social causes and community engagement.



Stack and Technologies Used->

Front-End: HTML, CSS, JavaScript

Web Design: Responsive design for mobile and desktop

Version Control: Uploaded the whole zip file on github.

Other: Images (leaflogo.png, treespic.jpg, etc.)

Some Images of the website



GreenImpact



Who we are

"GreenImpact" is a group of like-minded people who come together with the motive of countering climate change, one step at a time. From a casual gathering of four people who set out one breezy September morning to plant a sapling, to a community of 400+ youngsters gathering every Sunday morning – GreenImpact has grown into a social group that acts as a host for each and every inspired youngster who wants to give back to the environment. We at GreenImpact refuse to become armchair judgmentals. We are go-getters, adamant to fight climate change. We encourage you to join us and contribute towards this noble cause.

What we do

What we do



Plantation Drives
From September 2019, we have been planting saplings on hillocks and empty spaces of land. We are the proud hosts of 60+ plantation drives across all zones at prime spots of Pune and have planted 1000+ saplings. We tend to our plants; we water them, protect them using green sheds and make sure they are living healthy lives.



Cleanliness Drives
Our vigilant group members regularly target places with accumulated waste and clean it up. We take the necessary precautions before, during, and after the cleanliness drive. We reuse and recycle the plastic bottles and use them to make tags and drip systems for our plants.



Lockdown Initiatives
"No matter what falls on us we keep on plowing ahead that's how we keep the roads clear" Because of the lockdown, we were unable to organize plantation and clean-up drives; however, this did not deter us; instead, we developed new home initiatives such as bird feeders, composting, and microfarming, through which people began spending their



Paper Bag Making Drives
As firm supporters of reusing and recycling waste, we make paper bags out of newspapers to promote the cause. These paper bags are distributed to small-scale vendors, as an attempt to reduce the use of plastic bags.

Our Achievements

From a small band of enthusiastic youngsters to a group of 400+ volunteers, here is what we have achieved in our journey so far:

-  1200+ Saplings Planted
-  350+ kgs Garbage cleaned/recycled
-  2300+ Paper Bags made

Our Zones

Kothrud Sahakarnagar Hadapsar Pimpri-Chinchwad

Social Media Handles

GreenImpact

[Home](#) [About](#) [Gallery](#) [Partnerships](#) [Join Us](#)

Our Story

Warning signs, especially in the last decade, like the heat waves, the rapid rate of ozone depletion, the bushfires, the earthquakes, droughts and tsunamis were enough stimulus for us to start working in order to secure our environment and minimise the unforeseen horrors. GreenImpact was founded by Swamil Randive. We started our endeavor by organising plantation drives where we carry out tree plantations, tend to them, and undertake the necessary steps for their maintenance. After the overwhelming success of our plantation drives, we took it upon ourselves to organize cleanliness drives. These drives focus on a particular area with saturated waste and is cleaned by the vigilant group members with proper equipment and sanitization. When the pandemic of COVID-19 hit us all, binding us to our homes, plantation and cleanliness drives were out of bounds, we refused to stop. We came up with 3 different initiatives to keep up our good work. We started making newspaper bags, cloth bags out of old waste T-shirts and newspaper envelopes for safe disposal of sanitary products. GreenImpact works in 4 major areas in Pune namely Kothrud, Sahakar Nagar, Hadapsar and Pimpri-Chinchwad. Each area is considered as a Zone for planning environment initiatives. Initially, GreenImpact began working in the Kothrud area and hence it was the first zone established by Swamil Randive.

 [GreenImpact](#) [Home](#) [About](#) [Gallery](#) [Partnerships](#) [Join Us](#)



Our Zones

 [GreenImpact](#) [Home](#) [About](#) [Gallery](#) [Partnerships](#) [Join Us](#)

Welcome to Partnerships with GreenImpact

In our capacity as a prospective partner organization, we appreciate your interest in collaborating with GreenImpact to make a positive impact on the environment. Below, you will find information on collaboration opportunities, partnership criteria, and how to initiate contact effectively.

Collaboration Opportunities
At GreenImpact, we offer various collaboration opportunities, including: Environmental conservation projects Community engagement initiatives Sustainability campaigns

Partnership Criteria
We seek partners who share our passion for environmental preservation and meet specific criteria, including: Alignment with our mission and values Commitment to sustainability and eco-friendly practices Capability to contribute resources or expertise

Initiating Contact
If you believe your organization aligns with our goals and criteria, please reach out to us using the contact information provided in the footer of this page, or directly fill the join us form.
We look forward to exploring potential collaborations with you.

How to run the website?

- To run the "GreenImpact" website:
- Download the Project:
- Download the project ZIP file from the provided source (e.g., GitHub or direct download).
- Extract ZIP File:
- Extract the ZIP file to your desired location.
- Open in Visual Studio Code (VSCode), or any other IDE.
- If you have VSCode installed:
- Open the project folder in VSCode.
- Install Live Server Extension (Optional):
- Install the Live Server extension if you haven't already (recommended).
- You can install it via the VSCode extensions marketplace.
- Navigate to Main Page:
- The main page is index.html or home.html. You can open either of these files.
- Launch with Live Server (Optional):
- Right-click on index.html or home.html.
- Choose "Open with Live Server" to view the website in your default browser.
- Explore Other Pages:
- Navigate through the website using the navigation links in the toggle menu.
- Links to other pages are provided on the main page.
- Now you can view and interact with the "GreenImpact" website using your web browser or with the help of the Live Server extension if you've installed it.



Diving into the functionality of the Website

"GreenImpact" is a fictional non-profit organization's website dedicated to environmental and climate change initiatives. It aims to engage visitors, explain its mission, showcase its activities, and provide information on how people can get involved.

Main Page of the Website

Header and Navigation:

Logo and "GreenImpact" title in the header.

Toggle button (≡) for easy menu access.

Navigation Menu:

Clean, organized links to "Home," "About," "Gallery," "Partnerships," and "Join Us."

Image Carousel:

Features images related to GreenImpact's activities.

Use "Prev." and "Next" buttons for navigation.

"Who We Are" Section:

Introduces GreenImpact's mission and activities.

"What We Do" Section:

Highlights initiatives with images and descriptions.

"Our Achievements" Section:

Showcases key statistics, achievements, and icons.

Footer:

Contains zone information and links to Instagram and LinkedIn profiles.

The screenshot shows the homepage of the GreenImpact website. At the top is a green header bar with the logo and the word "GreenImpact". Below it is a navigation menu with links to Home, About, Gallery, Partnerships, and Join Us. A large image of a group of people gathered outdoors is displayed. To the right of the image is a section titled "Who we are" with a descriptive paragraph and "Prev." and "Next" navigation buttons. Below this is a section titled "What we do" with four sub-sections: Plantation Drives, Cleanliness Drives, Lockdown Initiatives, and Paper Bag Making Drives, each with an image and a brief description.

This screenshot shows the "Our Achievements" section. It features a summary text about the organization's growth from a small band of volunteers to a larger group. Below this are four achievement icons with corresponding statistics: 1200+ Saplings Planted, 350+ kgs Garbage cleaned/recycled, 2300+ Paper Bags made, and a recycling icon.

The footer is divided into several sections: "Our Zones" with links to Kothrud, Sahakarnagar, Hadapsar, and Pimpri-Chinchwad; "Social Media Handles" with icons for Instagram and LinkedIn; and a decorative blue circular graphic at the bottom left.

Technical Details of the Main Page

HTML Structure:

The main page is built using HTML, the standard markup language for web pages.

It includes elements like headings, paragraphs, images, links, and lists for structuring the content.

Image Carousel:

The image carousel is implemented using HTML and JavaScript.

JavaScript code is used to control the visibility of images, allowing users to navigate through them.

Images are defined as elements within a container, and JavaScript handles the display based on user interaction.

Navigation Menu and Toggle Bar:

The navigation menu is a crucial part of the website, providing links to various sections.

The toggle bar (≡) is implemented to make the menu accessible and user-friendly.

It's especially useful for mobile users, as it solves the problem of making the website responsive.

When the toggle button is clicked, JavaScript controls the display of the menu, making it visible or hidden.

This design choice ensures a clean and organized interface on smaller screens without cluttering the layout.

Responsive Design:

The toggle bar and responsive menu help adapt the website to various screen sizes, enhancing the user experience on mobile devices and tablets.

The use of CSS media queries may have been applied to ensure that content and layout adjust to different screen dimensions.

About Page(Accessed Through the toggle Menu on the main page)/Navbar

Technical Details of the "About" Page

HTML Structure:

The "About" page is structured using HTML, consisting of various elements to present content and links.

Navigation Menu:

The navigation menu is similar to the one on the main page, providing links to different sections of the website.

Content Presentation:

Content is presented within `<p>` (paragraph) and `<div>` (division) elements.

The use of headings, lists, and images makes the content engaging and informative.

Hyperlinks:

Hyperlinks are included to allow users to navigate to external social media profiles. These links open in a new tab, as indicated by the `target="_blank"` attribute.

Footer:

The footer contains information about GreenImpact's zones and social media handles, similar to the main page.

The "About" page doesn't include a carousel like the main page, but it provides a detailed narrative about GreenImpact's history, mission, and activities. It also maintains consistent design and navigation elements, ensuring a cohesive user experience throughout the website.

For specific technical details on elements like the image carousel or other functionalities, please provide additional code or details for those features.

Images of the About Page

The screenshot shows the 'About' page of the GreenImpact website. The header features a green navigation bar with the logo 'GreenImpact' and links for Home, About, Gallery, Partnerships, and Join Us. The main content area has a white background and a dark grey sidebar on the right. The title 'Our Story.' is centered at the top of the content area. Below it, several paragraphs describe the organization's history, including its founding by Swamil Randive, its plantation drives, cleanliness drives, and adaptation to COVID-19. It also mentions its work in four major areas of Pune.

Warning signs, especially in the last decade, like the heat waves, the rapid rate of ozone depletion, the bushfires, the earthquakes, droughts and tsunamis were enough stimulus for us to start working in order to secure our environment and minimise the unforeseen horrors.

GreenImpact was founded by Swamil Randive.

We started our endeavor by organising plantation drives where we carry out tree plantations, tend to them, and undertake the necessary steps for their maintenance.

After the overwhelming success of our plantation drives, we took it upon ourselves to organize cleanliness drives. These drives focus on a particular area with saturated waste and is cleaned by the vigilant group members with proper equipment and sanitation.

When the pandemic of COVID-19 hit us all, binding us to our homes, plantation and cleanliness drives were out of bounds, we refused to stop.

We came up with 3 different initiatives to keep up our good work.

We started making newspaper bags, cloth bags out of old waste T-shirts and newspaper envelopes for safe disposal of sanitary products.

GreenImpact works in 4 major areas in Pune namely Kothrud, Sahakarnagar, Hadapsar and Pimpri-Chinchwad.

Each area is considered as a Zone for planning environment initiatives. Initially, GreenImpact began working in the Kothrud area and hence it was the first zone established by Swamil Randive.

The screenshot shows a light blue footer section with a white content area. At the top, the text 'Our Zones' is centered. Below it, a horizontal line of four links: 'Kothrud', 'Sahakarnagar', 'Hadapsar', and 'Pimpri-Chinchwad'. The bottom part of the footer contains the text 'Social Media Handles' followed by icons for Instagram and LinkedIn.

Our Zones

Kothrud Sahakarnagar Hadapsar Pimpri-Chinchwad

Social Media Handles

Gallery Page(Accessed Through the toggle Menu on the main page/Navbar)

Technical Details of the "Gallery" Page

HTML Structure:

The "Gallery" page is structured using HTML, consisting of various elements to present content and links.

Navigation Menu:

The navigation menu is consistent with other pages, providing links to different sections of the website.

Image Gallery:

The "Gallery" page features an image gallery.

Images are displayed within div elements with a class of "activity-box."

Image Styling:

Each image box is styled using CSS.

Images are responsive and maintain their aspect ratio within their containers.

A brief activity description is provided for each image.

Footer:

The footer is consistent with other pages, containing information about GreenImpact's zones and social media handles.

Image of the Gallery Page

 **GreenImpact**

[Home](#) [About](#) [Gallery](#) [Partnerships](#) [Join Us](#)

Plantation



Cleanliness



PaperBags



Lockdown Initiatives



Our Zones

Partnerships Page(Accessed Through the toggle Menu on the main page/Navbar)

Technical Details of the "Partnerships" Page

HTML Structure:

The "Partnerships" page is structured using HTML, consisting of various elements to present content and links.

Custom Styles:

Custom styles are added within the HTML file to format the page.

The `partnerships-content` class is applied to style the content on the page, ensuring it's centered and readable.

Navigation Menu:

The navigation menu is consistent with other pages, providing links to different sections of the website.

Content:

The page provides information on collaboration opportunities, partnership criteria, and how to initiate contact effectively with GreenImpact.

Collaboration Opportunities:

A list of collaboration opportunities is presented, and more can be added as needed.

Each opportunity is listed using the `` (list item) HTML element.

Partnership Criteria:

Specific partnership criteria are outlined, and additional criteria can be added as necessary.

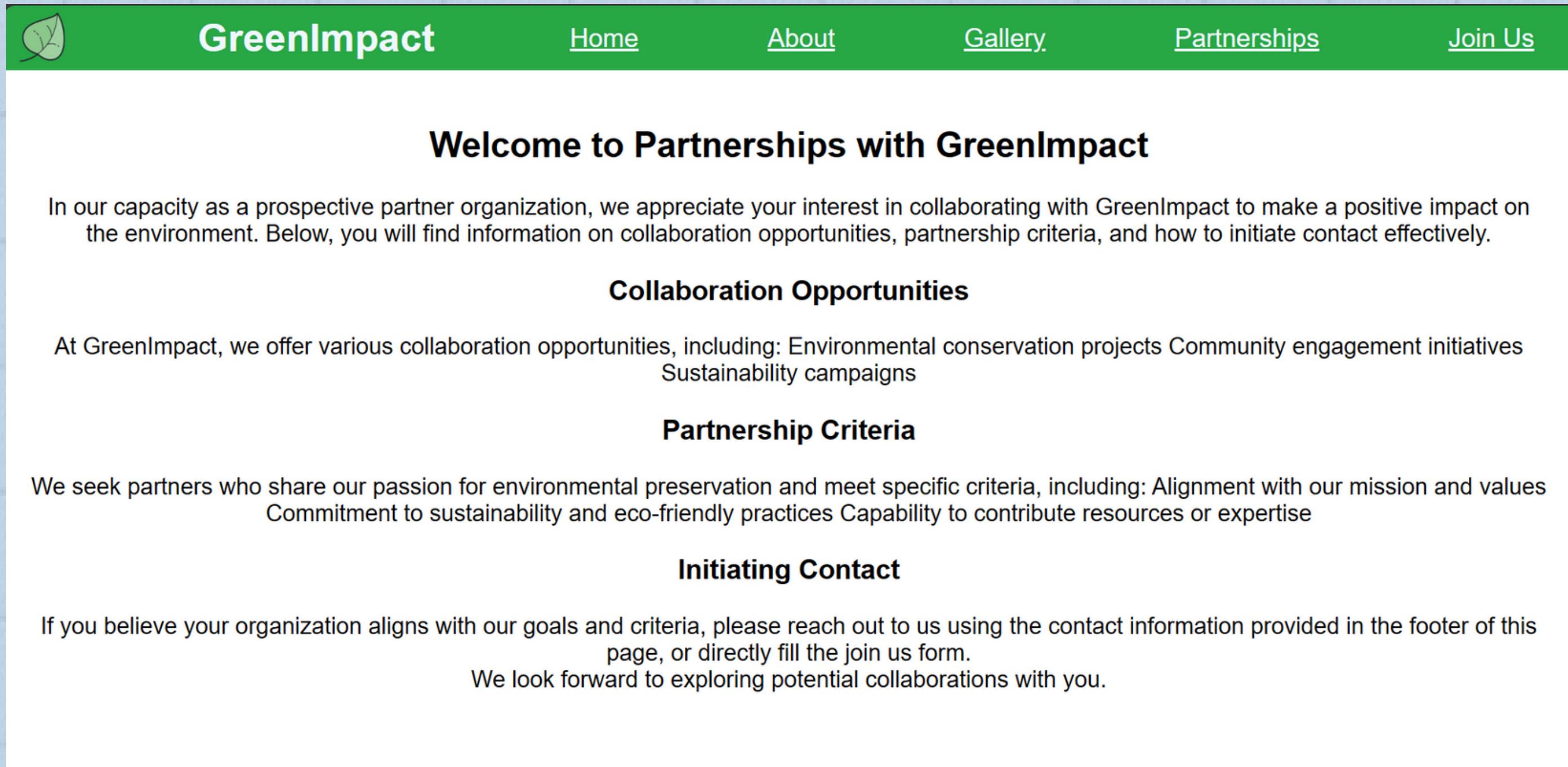
Each criterion is listed using the `` (list item) HTML element.

Footer:

The footer is consistent with other pages, containing information about GreenImpact's zones and social media handles.

Contact information for initiating collaboration is provided in the footer.

Image of the Partnerships Page



The screenshot shows a website for "GreenImpact". The header is green with white text and a leaf icon. The main content area has a white background and black text. It features a section titled "Welcome to Partnerships with GreenImpact", followed by sections on "Collaboration Opportunities", "Partnership Criteria", and "Initiating Contact".

GreenImpact

[Home](#) [About](#) [Gallery](#) [Partnerships](#) [Join Us](#)

Welcome to Partnerships with GreenImpact

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Collaboration Opportunities

At GreenImpact, we offer various collaboration opportunities, including:

- Environmental conservation projects
- Community engagement initiatives
- Sustainability campaigns

Partnership Criteria

We seek partners who share our passion for environmental preservation and meet specific criteria, including:

- Alignment with our mission and values
- Commitment to sustainability and eco-friendly practices
- Capability to contribute resources or expertise

Initiating Contact

If you believe your organization aligns with our goals and criteria, please reach out to us using the contact information provided in the footer of this page, or directly fill the join us form.

We look forward to exploring potential collaborations with you.

Join us Page(Accessed Through the toggle Menu on the main page/Navbar)

Technical Details of the "Join Us" Page

HTML Structure:

The "Join Us" page is structured using HTML, featuring various elements for presenting content and a Google Form.

Navigation Menu:

The navigation menu remains consistent with other pages, providing links to different sections of the website.

Google Form Integration:

The primary feature of this page is the integration of a Google Form to allow users to join GreenImpact.

An <iframe> element is used to embed the Google Form, which can be filled out directly on this page.

Custom Styles:

The page utilizes styles defined in the external styles.css file for consistent formatting with the rest of the website.

Footer:

The footer is consistent with other pages, containing information about GreenImpact's zones and links to social media profiles.

Image of the Join Us Page

The screenshot shows a web page for 'GreenImpact' with a green header bar. The header includes a leaf icon, the 'GreenImpact' logo, and navigation links for 'Home', 'About', 'Gallery', 'Partnerships', and 'Join Us'. The main content area has a purple header bar with the title 'Join GreenImpact !' and the tagline 'Be the change you want to see!!'. Below this, there is a section for sharing information via email, showing 'swamilrandive47@gmail.com' with a 'Switch account' link and a cloud icon. A note indicates that the email is 'Not shared'. A red asterisk next to 'Indicates required question' serves as a required field indicator. The form consists of two main input fields: 'Name *' and 'Email *'. Each field has a placeholder 'Your answer' and a horizontal line for input.

Join GreenImpact !

Be the change you want to see!!

swamilrandive47@gmail.com [Switch account](#)

Not shared

* Indicates required question

Name *

Your answer

Email *

Your answer

Styles.css

Resetting Default Styles:

The CSS begins with a reset for the default margin, padding, and text alignment for the html and body elements to ensure a consistent starting point for styling.

Navbar Styling:

The .navbar class styles the navigation bar at the top of your pages, including background color, padding, and the use of Flexbox to align items.

Logo Styling:

The .logo class defines the size and margin of the logo image in the navbar.

Header (h1) Styling:

The .navbar h1 class styles the main title in the navbar, adjusting the font size, margins, and color.

Button Styling:

Buttons are styled with classes like .transparent-button, .transparent-button2, and so on. These styles include background color, text color, and cursor behavior to make them appear as transparent buttons.

Toggle Button Styling:

The .toggle-button class styles the toggle button (≡) for opening the navigation menu. It defines its appearance, cursor behavior, and margin.

Navigation Menu Styling:

The .menu class is used to style the navigation menu, which appears when the toggle button is clicked. It defines the display behavior, position, background color, and more.

Media Queries:

There is a media query at the end of the CSS file for screens with a maximum width of 767px (commonly used for phones). Within the media query, styles are adjusted to make the navigation buttons and menu more suitable for smaller screens. This includes reducing margins, changing the layout of the navbar, and changing the appearance of the toggle button.

Carousel Styling:

Styles for the image carousel are defined with classes like .carousel, .carousel-buttons, .carousel-button, and .carousel-slide. These styles are used to create a visually appealing image slider with navigation buttons.

Footer Styling:

The .footer class defines the appearance of the footer section, including background color, font size, and text alignment.

Other Element Styling:

The CSS also includes styles for various other elements, such as text content, images, boxes, and headings, ensuring a consistent and visually appealing design throughout your website.

Comments:

Comments are included within the CSS code, providing explanations and context for each section, making it easier for developers to understand and modify the styles.

Challenges Faced

- Making the Page Responsive
- Designing the Toggle Bar (Hamburger Menu)

How I overcame those challenges?

Challenge 1: Making the Page Responsive

To make my website adapt to various screen sizes, I employed media queries in my CSS. These queries defined different styles for different screen sizes. These queries helped me achieve a mobile-friendly layout that worked well on both phones and laptops.

```
@media screen and (max-width: 767px) {  
    .transparent-button,  
    .transparent-button2,  
    .transparent-button3,  
    .transparent-button4,  
    .transparent-button5 {  
        margin: 5px;  
        text-align: center;  
        width: 100%;  
    }  
  
    .navbar {  
        flex-direction: column;  
        align-items: center;  
    }  
  
    .toggle-button {  
        margin: 10px;  
    }  
}
```

Challenge 2: Making the Page Responsive

Hamburger Icon Design: Designing an attractive and recognizable hamburger icon (\equiv) was pivotal. This icon served as the gateway to our navigation menu.

JavaScript Event Handling: I implemented JavaScript to handle user interactions with the hamburger icon. When clicked, it toggled the visibility of the navigation menu, creating a smooth and intuitive user experience.

CSS Transitions: Adding CSS transitions allowed us to animate the menu's opening and closing seamlessly. This subtle animation improved user engagement and enhanced the overall aesthetics of our website.

Position and Z-Index: Proper positioning and z-index management ensured that our toggle bar and menu worked harmoniously with other page elements, enhancing the user's browsing experience.

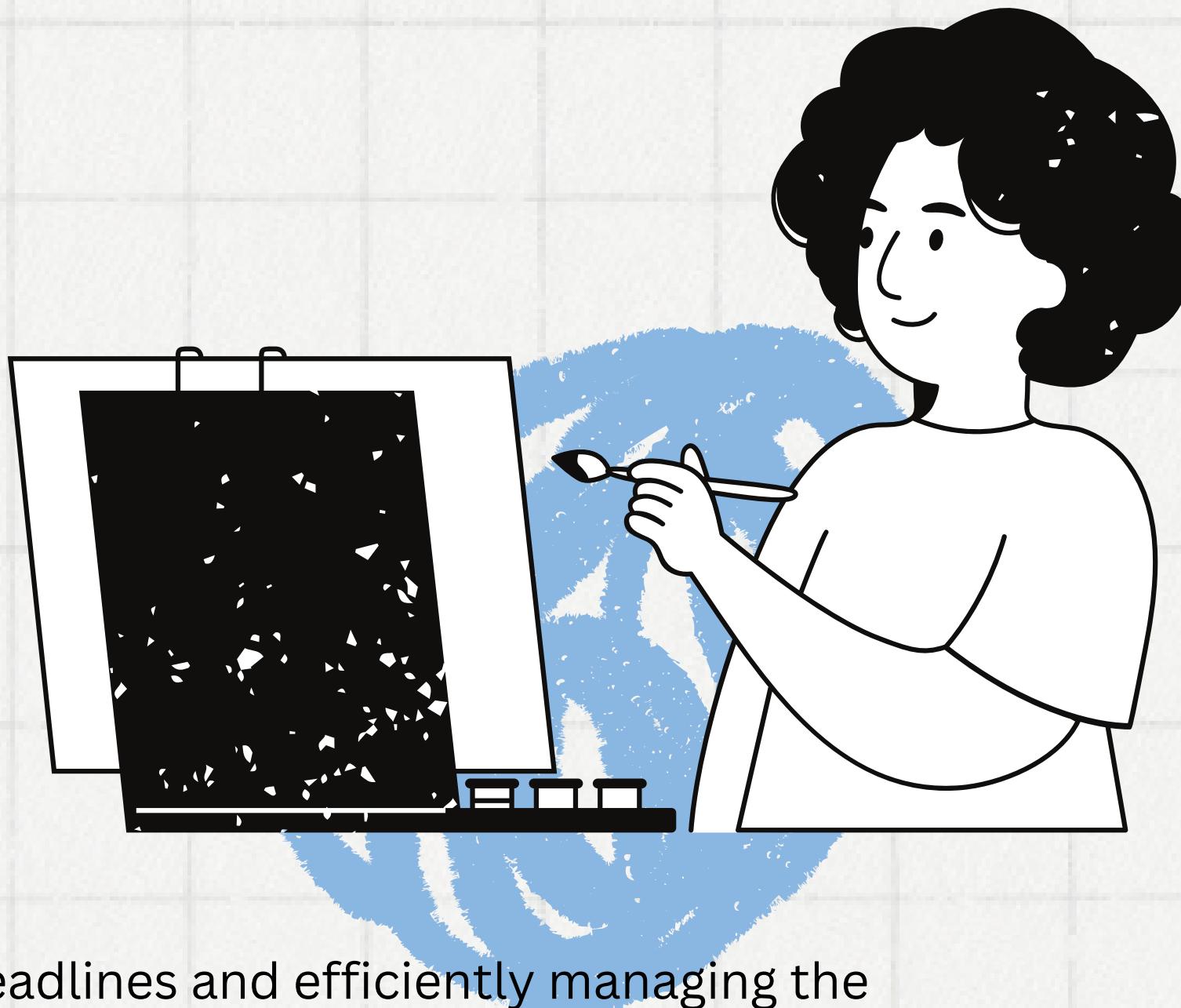
Responsive Behavior: Testing the toggle bar on various devices was crucial. I ensured it was responsive to touch events, making it easy to use on mobile devices, which is especially important in today's mobile-driven world.

Accessibility: To ensure our website is inclusive, I implemented ARIA attributes and supported keyboard navigation. Accessibility is a top priority to make sure all users can interact with my site.

Styling and Customization: I carefully customized the toggle bar's appearance to maintain consistency with our website's design while keeping it user-friendly and intuitive.

Final reflections

The hackathon experience of creating a website for GreenImpact has been both challenging and rewarding. As the project lead and developer, I encountered several hurdles but successfully overcame them through innovative solutions and teamwork. Here are some key takeaways from this hackathon:



In a hackathon setting, time is of the essence. Meeting tight deadlines and efficiently managing the development process were crucial to the project's success. Effective time management practices, such as setting milestones and prioritizing tasks, were vital.

I learned a tremendous amount from this hackathon, and I want to express my heartfelt gratitude to everyone involved for giving me this incredible opportunity to collaborate. This experience has not only expanded my knowledge but also reinforced the importance of creative problem-solving, and innovation. I am excited about the impact our project can have on the community and the environment. Thank you for this enriching journey!"

CHECK OUT MY GITHUB PAGE WHERE I HAVE UPLOADED MY PROJECT-
<https://github.com/swami15504/GSI-Hackathon-Project>

**Thank you
very much!**