



CSADProject

CarbonAware

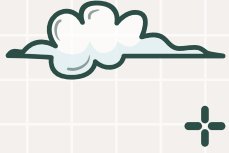
P2221935 Dinesh Praba

P2108249 Ramesh Kaviyamudan

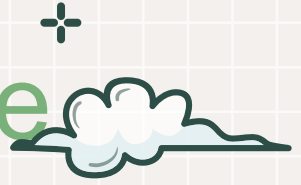
P2221654 Ooi Yen Kai

P2108054 Foh Eong How





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01

Challenge

Background Information and Solution



Background Information



- **Interplay of Climate Change and Personal Responsibility:**
 - The challenge of climate change stems from rising greenhouse gas emissions, with individuals holding significant sway in this equation.
- **Singapore's Uniqueness in the Climate Equation:**
 - Singapore's distinctive profile includes high population density, predominant apartment living, and reliance on public transportation.
 - The tropical climate minimizes heating needs while introducing exclusive energy consumption patterns.
- **Customization as the Key:**
 - Tailored carbon footprint tools are indispensable to address Singapore's distinct environmental landscape.
 - Personalized solutions empower individuals to accurately gauge, comprehend, and curtail their carbon footprints.

Challenge

Creating a website for a carbon footprint app tailored to Singapore presents the challenge of effectively communicating its unique features and benefits. The website needs to clearly convey how the app addresses Singapore's specific environmental factors, engage users, assure data privacy, align with local branding, and facilitate future updates, all while maintaining a user-friendly and visually appealing design.

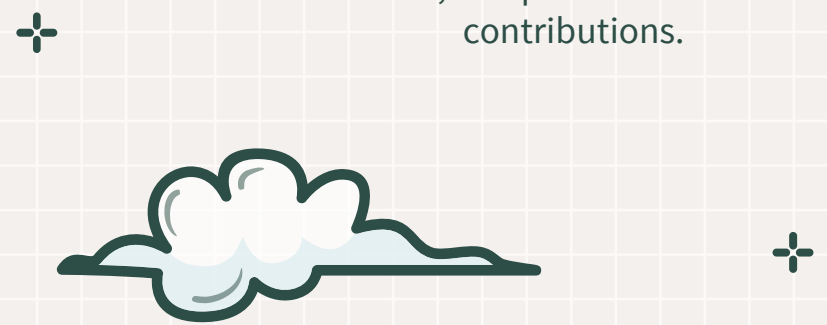




Solution



Design a website tailored to Singapore's context, serving as an all-encompassing platform. Offer information, news, and live chat support, along with a donation feature for environmental causes. Reflect Singapore's unique lifestyle and eco-concerns like high-rise living and public transport. Ensure user-friendly design and capture the city's ethos for education, interaction, and positive environmental contributions.



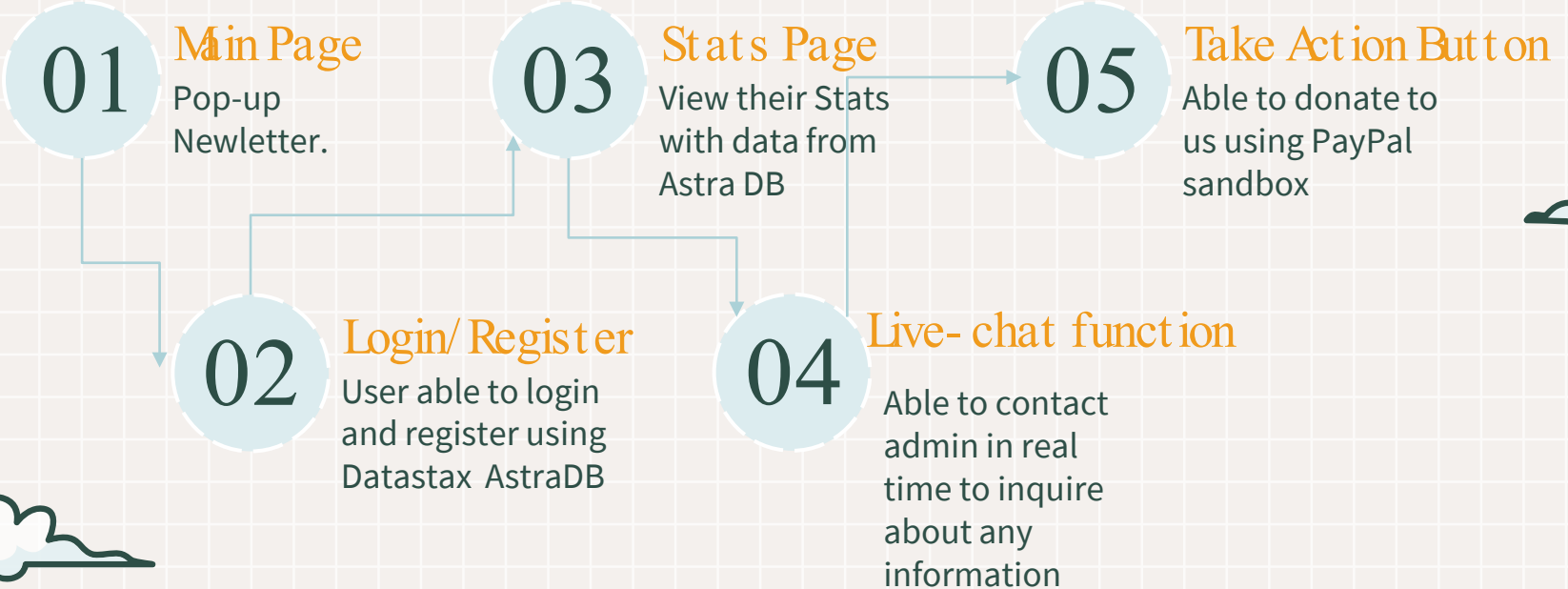


02

How it works?

App Flow

Website Flow





Video Walkthrough



Video URL: https://drive.google.com/file/d/1qsOanK_M0LFP4_Gn887-MHXENqk1PQzt/view?usp=sharing





Pop- up Newsletter

- This is the pop-up for the newsletter subscription page and it prompts the user to subscribe to our newsletter to receive weekly blogs written by us through mail.
- This uses cookies to know when the user first visits the website and only show the pop-up then.

Looks





Looks

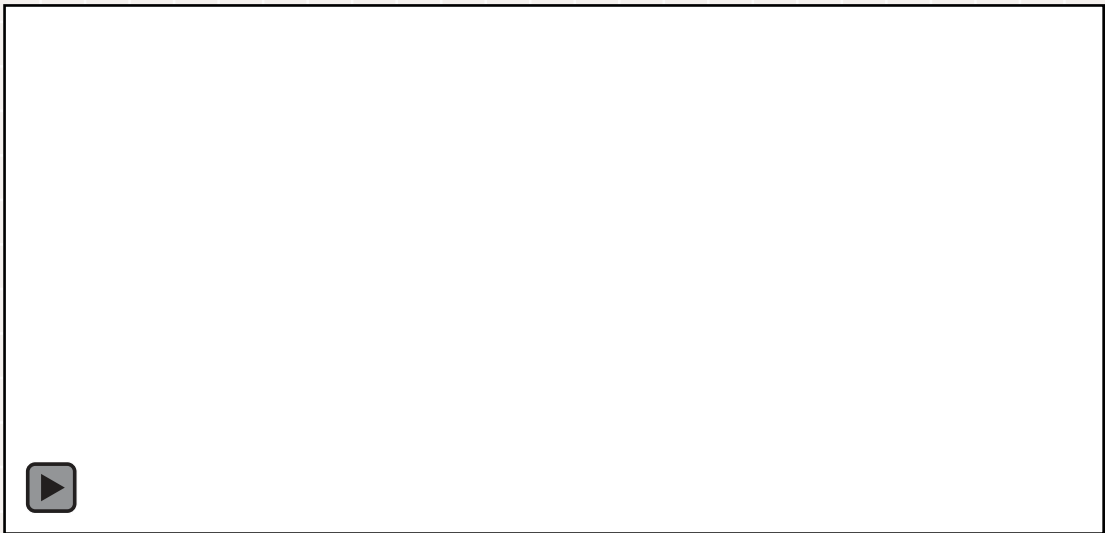


MainPage(video visual)

Here they are greeted with a
slideshow of images.

And a section that prompts them to
use our app to input their daily
footprint data with a video that plays
in the background to capture their
attention

Below are two sections that direct to
'what we do' and 'Take Action' Pages.





Looks



Footer

- This is the footer which has links to our social media pages in their icons
- It also has newsletter subscription field.
It also directs the user to our 'Teams' and 'Contact Us' pages





Header

- About-When hovering over about button , you are greeted with three options, and clicking them will take you to the corresponding pages.
- News- this will take you to our news feed for sustainability
- Readme- This will take you to the page that shows tips and testimonials along with a video.
- Login- This will show a floating modal in which user can login/register and be brought to the stats page.
- Take Action- This will also open up a floating modal but for donation page to donate to our company through paypal.

Header nav



whatwedo

Description

- This page describes the work that our company does in a detailed text column as well as an easy to understand visual.

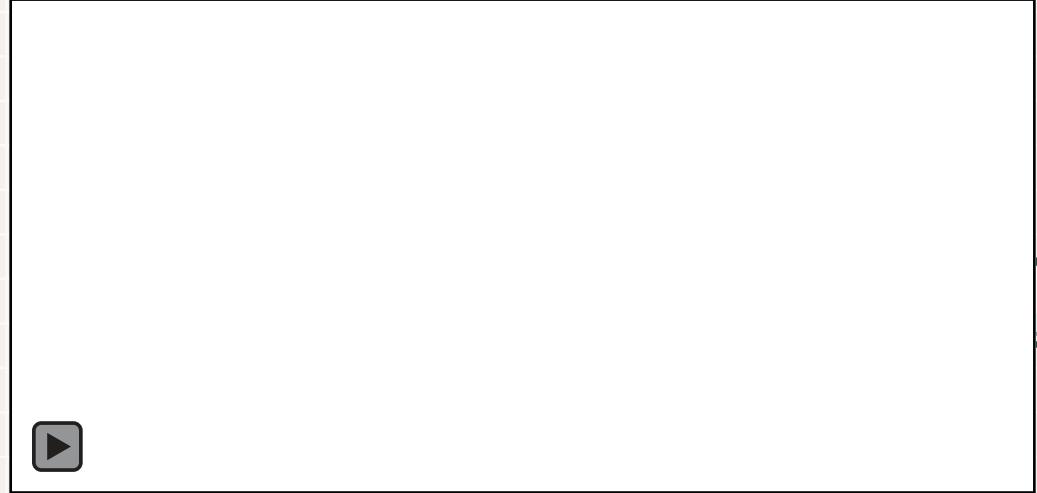




partners

Partners Page(video visual)

- Here the user can hover over a team member's card and it will turn around to show their contribution to the project.
- Below that it also has some guides for the user.

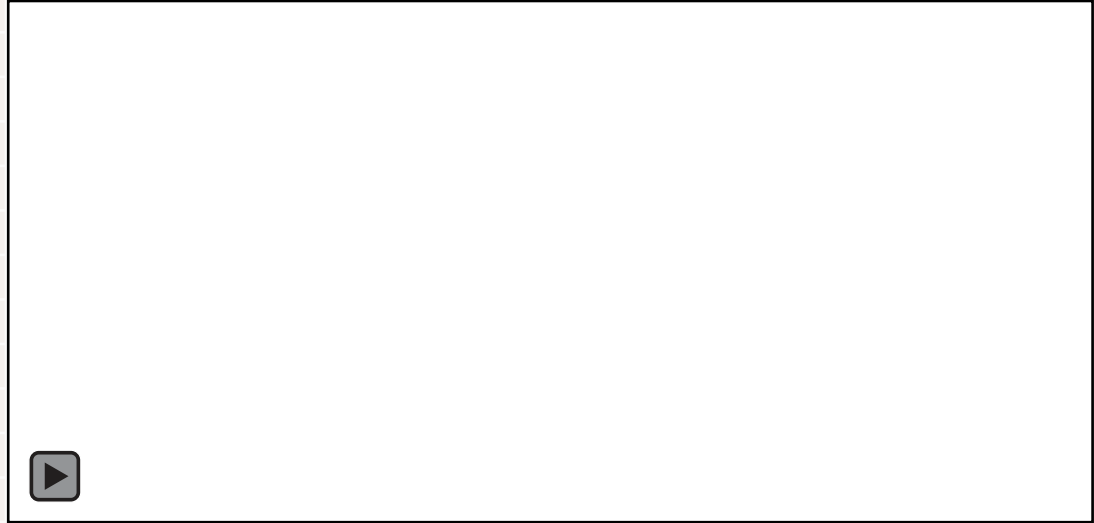




news

News Feed

- This news feed utilizes RSS feature to curate news related only to sustainability.
- User can read the full article by clicking on either the image or the 'Read Article' button of the respective article.
- The data retrieved are the headline and the image.





contact



Contact Form

- Here the user can submit the contact form and we can retrieve it on our side with Formspree.

The image shows a screenshot of the CarbonAware website's contact page. The page has a dark green header with the CarbonAware logo and navigation links: Home, About Us, Contact Us, and Sign Up. The main content area features a large green 'C' graphic on the left. To the right of the 'C' is a white box containing the text: 'Get in touch with CarbonAware', 'Reach out to us for more information about our app and its features.', and contact details: '4220 University Boulevard NW, Suite 2000', 'info@carbonaware.org', and '800-554-1234'. To the right of this white box is a green contact form with the title 'CONTACT US'. The form includes input fields for 'Name', 'Email', 'Phone', and 'Message', and a 'Send' button at the bottom.





read me



Read Me page(video visual)

- Here the UI is designed like an accordion such that user can click to open a card and click another one to open it and close the previous one like.
- Below are vides and testimonials of different user of our website



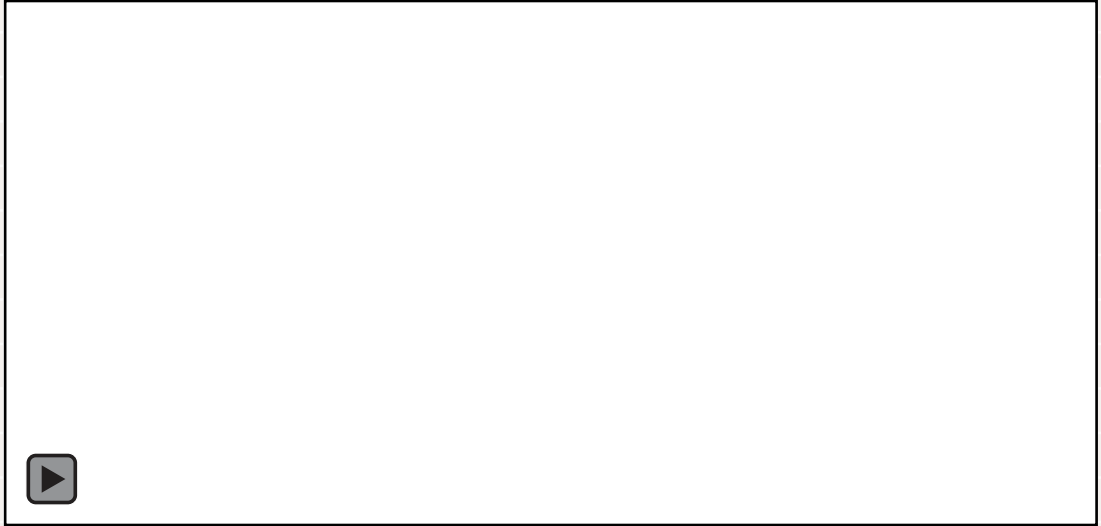


login/register



Login/ Register(video visual)

- The login floating modal opens when the user clicks 'login' from the header.
- Here the user can either register or login to view their stats.



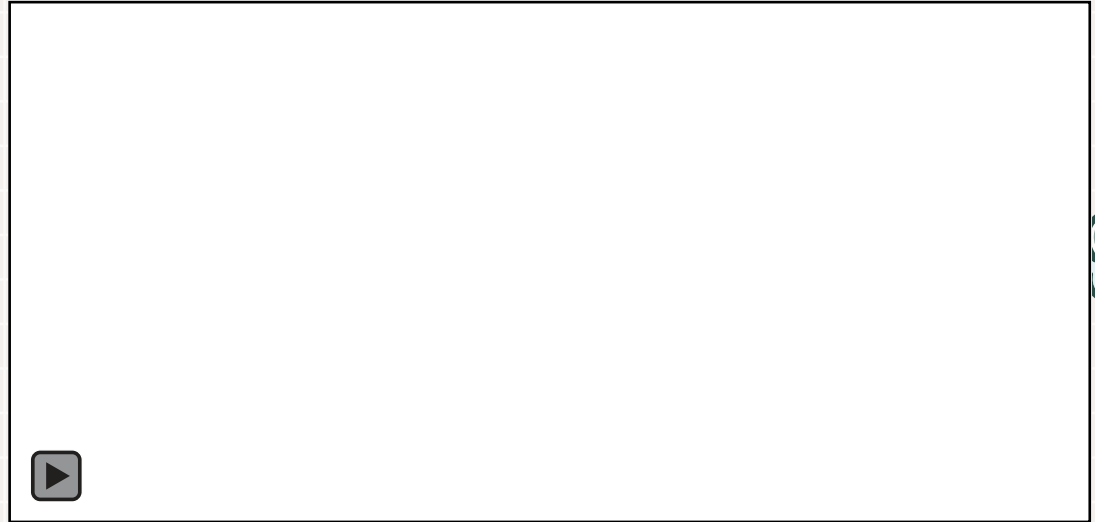


stats



Stats Page(video visual)

- Upon successful login they are taken to the stats page where they are presented with their carbon footprint stats, which has derived from the data the user had entered previously on their mobile app.
- User can hover each part of the graph to know exact value if they wish to.



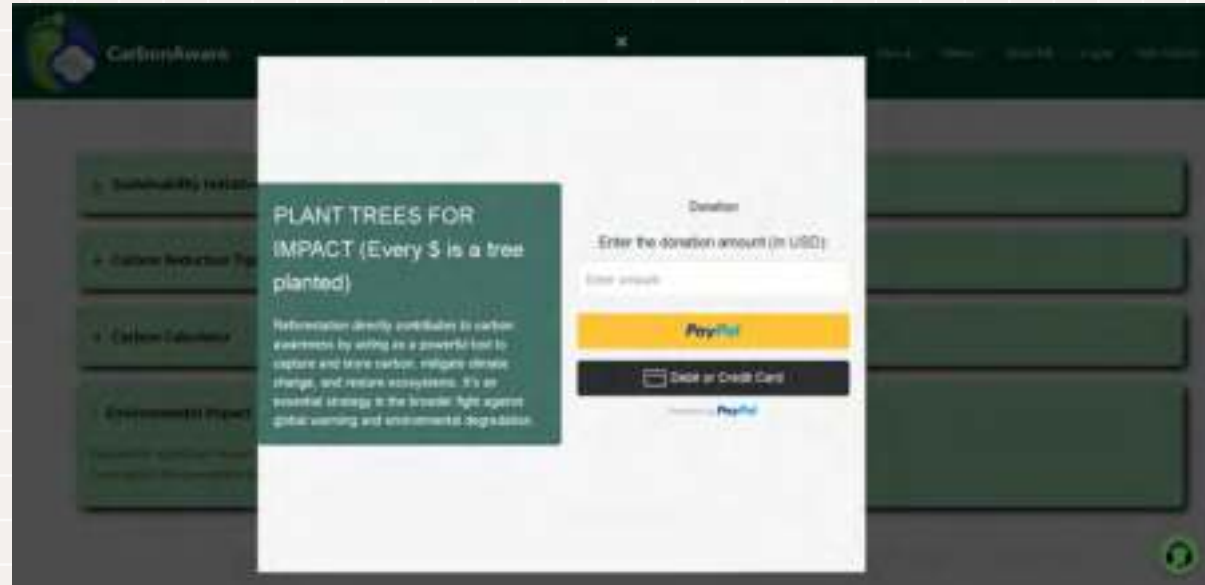


Paypal



Take Action

- Upon clicking Take Action button on the header a floating modal opens on the page and here the user can enter an amount and log in to donate to our company. They are shown a 'transaction successful' alert upon smooth transaction.



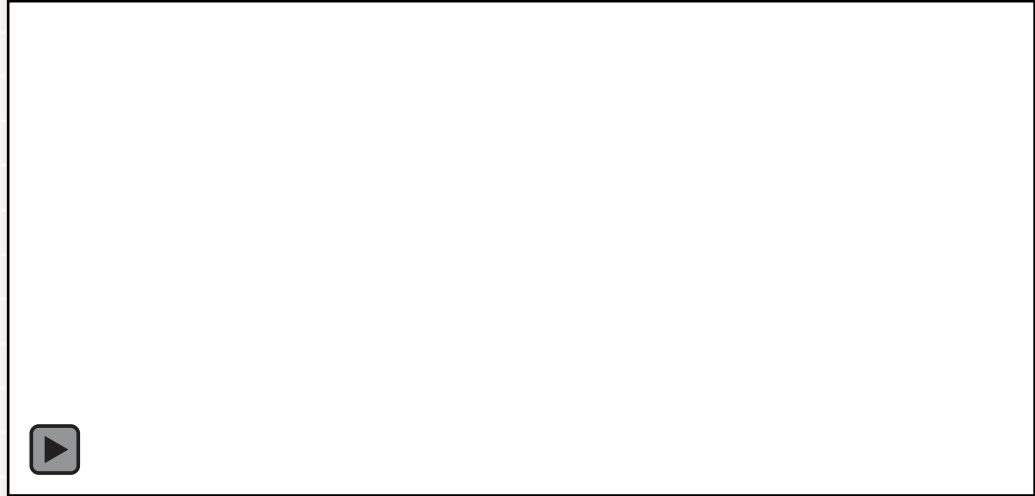


Live chat



Live Chat (video visual)

- Live Chat button exists on all pages and upon clicking it a floating tab opens wherein the user can talk to a live agent from our company's side and get their queries resolved.
- Animations are added to enhance the user interactivity.

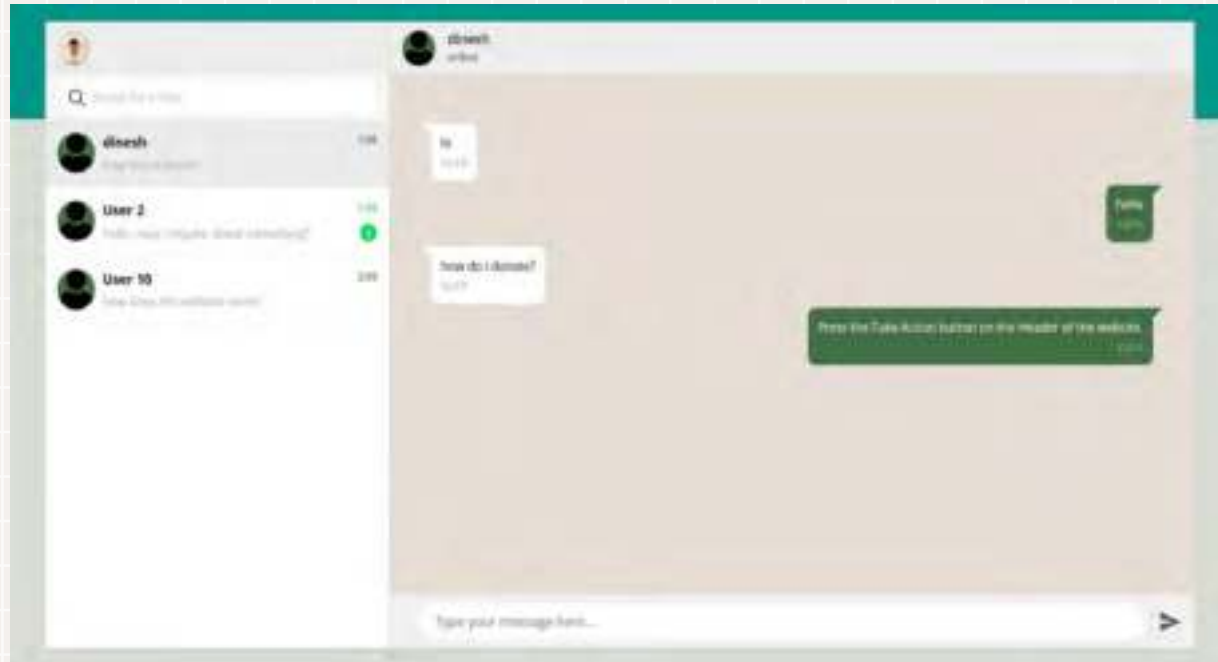




Live Chat

Live Chat- Admin

- This is the admin side of the live chat feature where they are shown list of users conversing live.
- Upon clicking an user they admin can read and send message to the user.
- They can also see new message notifications from users.



Features



Basic	Advanced	Other Features
Home Page - logo, contact, faqs, services, login, sign-in etc.	Use of JSON between client and server	RSS
Footer Page – about us, contact, forum, profiles etc.	Management of data (CRUD) stored to SQL database e.g. create, read, update and delete of user accounts, announcements etc.	Tailwind CSS
About us page – company profile, address	Comments, Blog	Modal element to make html float
Consistent branding across all pages	Integration with mini-project from other module e.g. MAD.	Formspree for backend service
Project Members Portfolio (Photo, Name, Adm No, Profile)	Use NoSQL Cassandra (AstraDB) database	Floating button live chat feature using AstraDB
Embedded video	Payment System Using PayPal Sandbox	
Use of cookies, session		



Contribution



S/N	Leader (Ramesh/ 2108249)	Student 2 (Dinesh / 2221935)	Yen Kai (2221654)	Eong How
1	Mainpage UI Header,Footer UI	Login/Register UI(Modal) using Database(AstraDB)	Floating button UI	Donation Page UI (floating modal)
2	News Page	Partners Page UI	Reply page UI	
3	Stats Page	Read Me Page UI	Floating button and reply page integration to achieve live chat function Database(AstraDB)	
4	Pop-Up Newsletter (floating modal)	Contact Page UI that sends data to Formsfree	Integration of Floating button feature on every page	





Thanks!

CREDITS: This presentation template was created by **Slidesgo**,
including icons by **Flaticon** and infographics & images by **Freepik**