

TECHNOLOGY STUDENT ASSOCIATION PLAN OF WORK

Date	Task	Time involved	Team member responsible (student initials)	Comments
12/08/2023 1.	Started drafting the blogs and gathering information	4 hours	SK, JP, SM	We split up the different blogs between us three and started searching for information and tax rebates that could be useful
12/11/2023 2.	Started adding and developing custom animations for the website	18 hours	EL, SE	We looked into different animation styles and other types of animations used by professional sites or ones that we found visually appealing
12/19/2023 3.	Finished animations and blogs and combined the information for the sites	7 Hours	SK, JP, SM, AP, EL, SE	We also sourced and did our copyright checklist for all of these, as well as making sure we didnt have any redundancy.
12/27/2025 4.	Added the home adress calculator	4 hours	EL, SM, SE	We coded the home address calculator and the billing in order to add a more interactive part of our website aside from just the 3d model and house building plan
1/10/2024 5.	Fixed bugs, proof read site, started working on papwerwork	6 hours	SK, JP, SM, AP, EL, SE	We split off into team to work on making sure the info is correct, doing our copyright checklist, and fixing our bugs
1/27/2024 6.	Finalized entire website	5 hours	EL, SE, SK	Worked on the paperwork, double checked with rubric, worked on last minute formatting issues

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1. 10/23/2023	Discuss topic and go over rubrics, brainstorm ideas to make the website unique	4 hours	EL, SM SE, AP, JP	Worked on ideas of what we want to do on the website and how we want to do the general theming
2. 10/30/2024	Started doing rough drafts on Figma, worked out color palette and figured out the name of website	10 hours	EL, SM, SE	Worked on the general theme of what we want to follow for our website design and started beginning work on the actual site
3. 11/09/2023	Researched design trends and popular companies, worked on user interface, identified key features, and worked on design elements	20 hours	EL, SE, SK	Changed color and theme of website to reflect a more modern nlook, also started trying to figure out formatting for mobile
4. 11/21/2023	Worked on custom design features such as logos and styling	17 hours	JP, SM, AP, EL	Changed fonts utilized on our website, also brainstormed ideas for intereactive features on our website
5. 11/27/2023	Worked on importing 3D model with Three.js and Fiber, created custom animations for different parts of the home and lighting	15 hours	SK, EL, SE	Added lots of features to be used on the 3D ideas for the home such as interactable features as well as adding zoom and pan
6. 12/01/2023	Finalized code on website and integrations, as well as made sure everything was recorded in documentation	5 hours	EL, SE, AP, JP, SM	We made sure the bugs were gone, tested on mobile, optimized loading times for different browsers.

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02/10/2024 1.	After Region Review	10 hrs	AN SE EL	<ul style="list-style-type: none"> - Team reviewed over major areas of concern then immediately improved our low scoring sections. - Brainstormed ideas for potential new pages and features to add to the site - Created a prioritized development roadmap for the implementation of the new pages and features, considering the technical dependencies, resource allocation, and timeline constraints
02/15/2024 2.	Navigation Bar improvement	5 hrs	SK EL	<ul style="list-style-type: none"> - Redesigned the navigation bar to enhance user experience and make it more intuitive for users to find and access key features and content - Implemented a responsive design for the navigation bar to ensure optimal visibility and functionality across various devices and screen sizes. Used CSS media queries and flexible layouts to adapt the navigation bar's appearance and behavior based on the user's device to adapt seamlessly across different devices (desktop, tablet, mobile).
02/20/2024 - 03/10/2024 3.	Back-end: Database and Authentication	40 hrs	EL SE	<ul style="list-style-type: none"> - Researched and evaluated database options and decided to use Google Firebase due to its scalability, easy-to-use API, and built-in authentication features. - Set up, designed, and structured a NoSQL, non-relational, and secure database on Firebase to handle all users' data - Integrated Firebase Authentication to handle user registration, login, and account mangement. Implemented email/password and Google Sign-In
02/25/2024-03/18/2024 4.	Community Pages (forums, challenges, chat)	55 hrs	EL SE SK	<ul style="list-style-type: none"> - Designed and implemented forum system to allow users to create and read forum posts and comments. Structured the database to store the data accordingly - Developed a challenge system that incentivizes users to participate in eco-friendly activities with a virtual currency: Eco Points - Implemented a real-time chat functionality to enable users to communicate with each other instantly about home eco-solutions
03/10/2024 - 3/13/2024 5.	User Profiles	10 hrs	EL SE SK	<ul style="list-style-type: none"> - Designed and implemented a comprehensive user profile system to allow users to create and manage their personal profiles on the platform. - Integrated user profile system with Firebase Authentication and Firestore Database to ensure secure and seamless access to profile information - Implemented a friend system that allows ecoNest users to connect with each other, fostering a sense of community and encouraging collaboration on eco-friendly initiatives.
03/20/2024 6.	Final State Review	3 hours	AN SK SM EL SE	Fixed bugs, proof read site, started working on papwenwork. We made sure the bugs were gone, tested on mobile, optimized loading times for different browsers.

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