

TECHNOLOGY STUDENT ASSOCIATION WORK LOG

Date	Task	Time involved	Teammember responsible (student initials)	Comments
1/13/26 1.	Planned website structure, features, and "Community Universe" theme	4 hours	S.O and B.K	Discussed layout, map concept, badges, and how to merge content with interactive elements. Finalized color direction and page flow.
1/22/26 2.	Built hero section background gallery + carousel system	6 hours	S.O	Implemented auto advance slideshow, navigation arrows, dot indicators, and mobile swipe support. Adjusted overlay opacity for better image visibility and fixed z index issues.
1/24/26 3.	Developed modal popup system for resource details	5 hours	S.O	Added smooth scale/fade animations, service tags, contact info, and click outside to close logic. Ensured accessibility with focus states and ARIA labels.
1/24/26 4.	Created badges page + animated progress system	6 hours	S.O and B.K	Designed badge cards, progress bar, and unlock animations. Connected badge logic to local Storage and added toast notifications for achievements.
1/26/26 5.	Built Community Heroes page + hero stories + timeline	7 hours	S.O	Added 5 hero profiles, expandable story cards, achievement timelines, and "Hero of the Month" spotlight. Styled gradient avatars and impact stats grid.
1/26/26 6.	Implemented resource submission form + validation	4 hours	B.K	Added required fields, error indicators, and client-side validation. Connected form to localStorage and integrated Helper badge unlock on submission.

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1. 1/27/26	Added search + category filter system to directory	6 hours	S.O	Built real time search, 7 category chips, active highlighting, and resource count display. Improved spacing and readability for mobile.
2. 1/27/26	Integrated building click handlers + directory syncing	5 hours	S.O	Linked each building to its resource entry. Clicking a building now scrolls to directory and highlights the matching card.
3. 1/28/26	Completed references page + TSA documentation	3 hours	B.K	Added copyright declaration, compliance checklist, technology list, citations, Linked required PDFs.
4. 1/28/26	Performed full responsive design pass	4 hours	S.O	Adjusted breakpoints, grid layouts, font sizes, and button spacing. Ensured all pages work smoothly on mobile, tablet, and desktop.
5. 1/28/26	Accessibility improvements + semantic cleanup	3 hours	S.O	Added ARIA labels, improved heading hierarchy, ensured keyboard navigation, and increased contrast for readability.
6. 1/29/26	Final UI polish + color refinement	3 hours	B.K	Tuned cosmic blue, hot pink, and teal palette. Updated header gradient, improved hover effects, and balanced visual hierarchy across pages.

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1/29/26	Bug fixes + performance optimization	4 hours	S.O	Fixed gallery layering, building overlap, modal scroll issues, and badge progress edge cases. Minimized CSS repetition and optimized JS loops.