

- Team number – **23**
- Team name – **GigaChadhas**
- Github Repo Link – <https://github.com/cse110-sp25-group23/Team-Tech-Warmup/tree/main>
- Youtube Link - <https://www.youtube.com/watch?v=EBUSROp2jPc>
- Full SWOT analysis

## SWOT Analysis

Review of the process followed by a SWOT analysis (Strength, Weakness, Opportunity, Threat) on how it went on the aspects team, tech, and tool and a brief summary of your learning.

### Strengths:

- General:
  - Divided into smaller groups of 2-3 to better analyze individual team member's technical and collaborative skillsets.
- Subteam-specific:
  - Zoey-Anna: Good documentation, detailed resource references helpful for work continuity. Nice visuals (lots of CSS) with minimal JS (efficient code). Solid understanding due to limited reliance on LLMs.
  - Sarah-Felicia-Manan: Flexible schedules and both on campus, so we were able to meet up in person for a total of 6-8 hours at Geisel to work on the project. Sarah had some basic knowledge of web components from CSE134b. Felicia was very open to learning more about web components and was a helpful member to bounce ideas off of. She asked very insightful questions about the project structure and code purpose. Manan had to learn CSS logic and components to be able to work on the project and elevate it to the next level. Open to learning and discovering new things
  - Thanh-Anu-Niroop: We are always on time, and willing to get work done, we are able to meet in person.
  - Kelvin-Rain-Luis: Group members were quick to respond and elaborate on their process. Everyone showed effort.

### Weaknesses:

- General:
  - Difficult to find meetup times for a large group of 12 members.
- Subteam-specific:
  - Luis-Kelvin-Rain: Some of the documentation was lacking however the team was quick to respond to any questions. Also we didn't develop tests that were thorough enough.
  - Zoey-Anna: Lack of communication (we had conflicting schedules and weren't able to find a lot of time to communicate about the project together)
  - Thanh-Anu-Niroop: No comments whatsoever in the codes we write, a lot of solo-coding from scratch, Anu and Thanh sometimes don't like to read others' code.

- Sarah-Felicia-Manan: Took a lot of time understanding the structure of the project, wasted some time by jumping into the code and having to redo parts of it. Had some confusion with the Github repo and git (had some unnecessary commits). Spent a lot of time on the HTML and JS of the website parts first, didn't spend much time on CSS visuals.

### Opportunities:

- General:
  - Our team learns quickly and works well together, once we can accommodate everyone's schedule, the assignments will be done quicker. Hybrid approach of in-person and online meeting sessions worked well to bring everyone together
- Subteam-specific:
  - Sarah-Felicia-Manan: Once we understand the project structure, we can produce quality code.
  - Thanh-Anu-Niroop: Learned web components, Anu learned web components and wanted to practice on her own as well.
  - Zoey-Anna: We practiced really good documentation during our project which made switching off working on the project between different group members seamless. We can apply these same practices to our team project for a better workflow.
  - Kelvin-Rain-Luis: Once we get a schedule together, working collaboratively will be a lot easier since everyone responded quickly and accurately. Our group members are very vocal but because of individual responsibilities along with the holidays, getting together and working simultaneously or sequentially task by task was difficult. Therefore with a better planned schedule we would work more efficiently.

### Threats:

- General:
  - With a team this large, coordinating with everyone and bringing them together can be extremely challenging.
- Subteam-specific:
  - Thanh-Anu-Niroop: We tend to like working alone, which could be really bad when we want to merge stuff together.
  - Zoey-Anna: Incompatible schedules can lead to lack of communication, bad project outcomes, and ineffective project management, which can be detrimental to team projects.
  - Sarah-Felicia-Manan: Can get stuck with the technical details of the code/git which could be an inefficient use of time (but also a learning experience).
  - Luis-Kelvin-Rain: Schedules were hard to align, some group members worked better at night while others could only work during the day. While this didn't cause any issues this time, it could cause problems in the future.

### Summary of Learning

Group: We had different levels of experience with HTML, CSS, and Javascript. As a whole, our group became more comfortable with all 3 programming languages. Using github to manage progress and issues helped streamline the process was also another useful skill to learn. We also developed our skills in documenting our code to ensure the rest of the team can follow up on work. During this warmup assignment, our group tested out a team structure of pairs / teams of 3 people to get work done, and we concluded that this form of team collaboration can be an effective way to structure our team during our larger group project. This assignment allowed us to practice collaboration between different team members and schedules given a short deadline.