

Criterion A: Planning

Part A

My **advisor** is Mr. Little, my SL Computer Science teacher from Great Oak High School. My **client** is my younger brother, Jeffery Yu, age 14 and about to enter high school.

The main problem we are attempting to target is his lack of knowledge around the high school experience, teachers and class study materials, and a general overview of the college admissions process.

We thought a solution to leave behind my legacy of knowledge about these items is best achieved with a simple easy to navigate website detailing these aspects. It would also allow for user input through comments and perhaps an interactive forum from current students to illustrate various opinions around the teachers and overall condition of the school.

As a first generation college student, I had to fully research scholarships, community service, and job opportunities on my own. While I very much appreciate the increased involvement of Great Oak counselors in the process of college admissions, it still is very difficult to find certain materials and forms on our counseling website. I also discovered dual enrollment with Palomar College and MSJC later in the year without much promotion by the school.

I hope to create a website covering these ideas as well as including lessons regarding real life applications such as taxes, loans, buying a car, getting a job, filling out resumes, leadership and public speaking, lifestyle balancing and study habits. This is an all in one type of website centralized around the high school experience.

Word Count: 246

Justification

A website is a suitable solution because:

- User friendly with several hyperlinks at both the top of the page and the bottom of the page for navigational ease
- Different media links or options to reference alternative sources and can contain much more information that I have collected over the past 4 years compared to alternative solutions such as a Java applet; thus, this offers the specific end users of future high school students and my incoming freshman brother a chance to explore alternative sources while maintaining a foundation in the coding of the website and my own experiences.
- Possible input by the users through forms allows me as the administrator to maintain the information within a database
- All the webpages can easily be placed into a single folder; easier to investigate any mistakes or clear flaws within the website

I chose HTML and CSS because:

- HTML provides the arrangement of textual information while CSS maintains the stylistic elements of the text through typography, positioning, and other options.

- HTML alone fails to be easy to navigate since it will appear almost as a wall of text.
- HTML and CSS are interdependent and the most frequently used style of formatting on websites. Therefore, this website could be supported on a variety of locations and devices.
- Able to be coded on Notepad without requiring other platforms
- Methods are repeated; only small adjustments needed
- Simplistic and easy to learn for a beginner within a relatively short period

Word Count: 247

Success Criteria

Items that the product will do:

- List out information about Great Oak High School or the High School experience in separate webpages under a shared domain
 - A page about College Admissions
 - A page about Teachers and General Class Syllabus/ Information
 - A page about Driver's License and Permit
 - A page about Employment, Resume
 - A page about Community Service Opportunities
 - A page about Health, Hygiene, and Inspiration
 - A page listing class study material resources
- Allow for interactivity through the use of comments
- Allow for the administrator to monitor and limit inappropriate content