Design Journey Part 1

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Section: 206

Part 1: Client Selection

Client Description

Tell us about your client. Who is your client? What kind of website do they want? What are their key goals?

Our client is Cayuga Heights Elementary School PTA and our person of contact is a working mom who's a member of the PTA.

They want a website where they can go to (a repository of events and sign up sheets for volunteers, etc) to get information e.g. emails link to the website to figure out where to go to volunteer, with a calendar to help plan.

Their key goals are to keep parents and teachers up to date on all events and to make sure that if they want to interact, they have an easy way of reaching out to one another.

NOTE: If you are redesigning an existing website, give us the current URL and some screenshots of the current site. Tell us how you plan to update the site in a significant way that meets the final project requirements.

There's an existing site for reference on the information, but were building our site from scratch.

Target Audience

Tell us about the potential consumers of this website. How, when, and where would they interact with the website? Get as much detail as possible from the client to help you find representative users. This will make it easier for you to test your site on potential users and to generate useful personas.

The potential consumers of the website are teachers, parents, and students, but mainly targeting teachers and parents. What different groups might use it for include:

- Students: Educational games

- Teachers and parents: feedback and reviews, communication, planning

They would come onto the site whenever they need information about events and to plan their schedule or when they want to get information. This means they might go onto the website from laptops/desktops or through their mobile phones. We want to make it easy for someone to update the website and keep it up to date.

Purpose & Content

Tell us the purpose of the website and what it is all about.

The purpose of the website is to give teachers and parents a place to plan events and interact with one another. We want to have a calendar of events where people who are given a specific access code can add or update events, as well as an easy way for parents to send out questionnaires about different events (e.g. to get volunteers). We also want for it to have a way to link to the profiles of teachers and also have different links for educational games/videos for the students.

Hosting Plan

Where will the site be hosted?

They're hosting at sites.google.com for their current site. We're going to host it currently on the course server while we're working on it.

Needs and Wants

In this table, collect your client's and target audience's needs and wants for the website. Come up with several appropriate design ideas on how those needs may be met. In the Memo column, justify your ideas and add any additional comments you have. There is no specific number of needs required for this, but you need enough to do the job.

Needs and wants (What does your client and audience need and want?)	Design ideas and choices (How will you meet those needs and wants?)	Memo (Justify your decisions; Additional notes)
Client wants to have different functionalities for parents and teachers; She does not want random people posting to the website	Create a login feature with an extra authentication key to verify the user's identity.	Using a key that an admin will provide to the user to log in with, that way we can authenticate their identity.
Client wants people to be able to access the website whenever they need information, whether about contacting teachers or otherwise.	Making the website mobile-responsive will allow people to access the website whenever and wherever	
Client wants people to be able to interact with the site and gather information about events	Allow admin to create surveys, to add events into the calendar, add upcoming events, and to let people fill in email information (email lists)	
Client wants a dropdown navbar as well as to keep certain things from the old website: logo, rotating pictures, social media tabs	Get pictures and resources from client.	Social media tabs stay the same but wanted on the right column
Client wants an interactive page linking to different teachers and their websites as well as a how to get involved page for parents and teachers	Put relevant resources and links in different sections and combine survey API.	

Part 2: Project requirements

Design

What design elements should be utilized? Tell us about the design elements you plan to have for the site. Do they fit your client's needs? Why did you choose to follow (or not to follow) the client's expectations? If you chose not to accommodate a need, why did you make that decision?

We will be creating a multiple page website with left-hand navigation, to keep the theme consistent with the current website. The website will be revamped to eliminate some tabs on the navigation, and we will design a new set of tabs / sub-tabs to keep the interface streamlined and easy to navigate. We'll adapt a light theme for the website, with accent colors for the different user groups including parents, teachers, and students.

Client's Edits

Does the client need the ability to edit the site after the end of the semester? If Yes, tell us how you site fit your client's need. If No, write down N/A.

The client shouldn't need to be able to edit the structure of the website after the end of the semester, but they should be able to add content to the website through the forms that we structure for the admin. Our site will fit the client needs through the different aspects listed above in the client's needs e.g. surveys, events in the calendar.

Information Architecture, Content and Navigation

Lay out the plan for how you'll organize the site and which content will go where. Note any content (e.g., text, image) that you need to make/get from the client.
Note: As with the Needs and Wants table, there is no specific amount to write here. You simply need enough content to do the job.

Main navigation (List your site's navigation here)	Sub category (List any sub categories of under the main navigation)	Content (List all the content corresponding to main navigation and sub categories)
Home **Parents** **Teachers** **Students** **About** **Admin Login**		**Home**: Coming activity calendar, rotating pictures, social media tabs and so on. **Parents**: Activities and information for parents. Allow parents to sign up for activities. **Teachers**: Activities and information for teachers. Allow teachers to sign up for activities. **Students**: Display resources for students, show interesting pictures and designs **About**: Information about PTA **Admin Login**: A way for admins to log on the site and update events or send questionnaires

Interactivity

What interactive features will your site have? What PHP elements will you include?
Much of this is up to you, however, implementing a login system is required. Logging in should not be required to view the site, however it must unlock extra functionality, e.g., admin functionality, comment posting, etc.
Also, describe how the interactivity connects with the needs of the clients/target audience.

Different Elements we will have:

- Login system: this includes different logins for administrators as well as teachers and parents. It allows people who have logged in to post to the site and have extra functionality. That way, more sensitive information will not be revealed to the general public, and only be revealed by choice to different groups of people, as the client has asked. We will need a database to store the usernames and login information.

- Forms: We need to allow the admin to add events to the calendar and perform surveys to see when to hold events as well as a page for users to make an account on the site.

- Surveys: We need to allow teachers and parents to sign up for events and activities.

Use of Existing Libraries

What libraries (e.g. editor.js, jQuery Cookie, Image Sliders, jQuery) are you planning to use for the site? What do you have to do to incorporate those libraries? How much of your own code will satisfy the project requirements?

We are planning on using jQuery, where we just need to include a script link as well as Google Calendar API, which will use for scheduling activities and events. We will study online tutorials and resources in order to learn how to incorporate it into our website.

Database

How will you use a database to improve the functionality of the website? Describe a possible schema that could meet your client's needs.

We can use the database not only to store username information for people's accounts, but we can store past data that we don't want to show on the website but still want to keep track of. This will also help our "search the site" functionality.

A possible schema is:

- User table: userID (primary), username (unique), hashed password

- Events: eventID (primary), eventName, date, description, number of reservations

- Reservation: eventID, email, name, submit_date

Scale

How large will the site be (approximate number of pages) and how many hours of work will be required to complete it?

The site will probably approximately be 5-7 pages for the general user to see (not including pages unlocked for additional functionality). Including the pages for admins as well, it will probably be anywhere from 7-10 pages. It will probably take around 40 hours total i.e. 10 hours contribution for each member.

Part 3: Work Distribution

We are using Groupme for discussion and making a schedule and Google Drive for sharing documents and resources. We will create a GitHub repository to achieve version management. If someone falls behind, we will communicate with each other and someone else can back up for this situation. We will make sure that everyone is equally involved in the process and that we update each other on each person's individual progress. In addition, we will be discussing with the client and receiving input as we develop the website, in order to accommodate the client's needs to the best of our abilities.

Task	Team Member Names and Roles	Due Date	Status
CSS + About Page	Eileen Back up: Katerina + Baoyue + Emily	N/A	Not Completed
Home Page (Calendar + Events + Social Media)	Emily + Baoyue Back up: Katerina	N/A	Not Completed
Parents Page	Emily Back up: Baoyue + Katerina	N/A	Not Completed
Teachers Page	Katerina Back up : Baoyue + Emily	N/A	Not Completed
Students Page	Baoyue Back up: Emily + Katerina	N/A	Not Completed
Admin Functionality	Eileen + Katerina Back up: Emily + Baoyue	N/A	Not Completed

Part 4: Additional Comments

If you feel like you haven't fully explained your design choices, or if you want to explain some other functions in your site (such as special design decisions that might not meet the final project requirements), you can use this space to justify your design choices or ask other questions about the project and process.

   *** Because of the structure of the website and because the client wanted it separated in terms of the audience each page addresses, there's not really a need for due dates because none of the components depend on one another.