

Criterion A: Planning

The Issue

Scott is a student in my school that is the head of communications on the student leadership team. Recently he has noticed an issue that students aren't very involved with the house system and many of the students don't even know how many house points their team has. As well as house leaders not having easy accessibility to adding house points to their teams. Scott also wants a way for the house leaders to have a way to post upcoming spirit and house events. He wants the product to have this functionality because the house leader's cannot send mass emails to the entire school and there is no place for students to check for upcoming events online. My client explained " Well, I don't think our school is very good at letting students know when events are happening." , " I also think it would be good if we could encourage school spirit and the house system with the product." and "The points system. All of our students have no way of knowing how many points their house has and I think overall it undermines the system."

Solution

To increase communication within the school we decided on making a website

Pros of a Website

- Compatible with most devices, My client said "we are a K-12 school which means that many of these kids don't have phones. I really want the product to be accessible to all students which I think a website would be better for."
- Doesn't take up storage on student's device
- Many students are young and don't have access to a device that they are allowed to download apps to
- Older students mostly use computers

Cons of a Website

- Scott would need a server to host the website
- Websites can be hacked

Pros of using PHP

- Easily integrated with html
- Faster loading speeds for websites than some other languages
- Compatible with most browsers
- There are cheap hosting services.

Cons of using PHP

- Can be unsecure.
- Has declining popularity.

Pros of SQL

- It's inexpensive.
- It has many tools for database management.

To build the website we decided to make our website in PHP because unlike other coding languages PHP is well suited to building a dynamic site that the user can interact with.

The website should include

- Page where the admin can input photos of house events and announcements
- The school colour scheme (white and turquoise)
- A display of the house points
- Access the admin area
- Admin mode
- Add an announcement by different house

Security

- There should be a password to access the admin pages

Success Criteria

inputs

- The admin should be able to input the week's house point totals
- The admin should be able to input announcements

Processing

- System should sum the house points up until current date
- System should be able to sort data by date and by house

Output

- Chart showing total housepoints for each house
- System should display bar graph showing weekly totals for each individual house
- System should display house announcements

Storage

- System should store the following
 - o Info about the admin login details
 - o House details
 - o Announcements/ date of announcement
 - o Weekly house point totals

