

Computer science IA-Website Design

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Criterion A: Planning

Description of scenario

Our school teachers usually have a problem that it is difficult for them to book lab in the school. They lack a way of negotiation with the lab teacher. For example, teachers want to know whether a particular lab is available at a particular time. They want to know whether they are enough and necessary apparatus for students to use. In order for our teachers to have a more explicit and direct view for teachers, I decided to design a website for our school teachers to book labs. My client will mostly group 4 teachers, including physics, chemistry, biology and environmental science. My solution is strongly encouraged by my physics teacher Aihui Zhao since she is really unsatisfied with the current chaotic lab booking system. I think my solution will definitely help my teachers to book lab easier.

Rationale for the proposed product

The solution will be easy to use and accessible.

- Most of the teachers and students have their own laptops which have internet access, which means that an online booking system is possible feasible for them. Online booking is easy. I can incorporate the booking system to our school's official website. Therefore, teachers are able to book lab through the website.
- Our school have own server, which means that I don't spend much money on running my own server which will be expensive.

- During the entire winter vacation, I learned something about HTML, CSS, and Javascript, and they are lots of ready-made codes on Github, which means that I am capable of developing my own website no matter on my own or with the help of developer of Github.
- teachers can create their own account for this system simple using their working email and there is a key for each of them for sure. There will be a cryptographic database to store teachers' accounts.