

## **Music room booking**

My client is called Aishah Alkaff and she works in the senior office and music department at their School. She needs a new website because at the moment the way to book music rooms is inefficient. Currently, the website in use does not allow students to book it themselves and everything must be entered by Ms. Alkaff manually into the computer and make decisions, about what room the students should be allocated, herself. She would like a “more efficient” (see appendix A) system of booking. Therefore, she would like me to create a website, that will allow any student at the school to book music rooms in the Music Department themselves and have rooms allocated electronically according to their needs (for example needing a microphone or a bigger room).

### **Rational**

I will program my website In PHP and MySQL so that it can be accessible through the Internet on both Android and iOS devices unlike just using swift or C++, this means that all students will be able to use it across all platforms. PHP is also a dynamic programming language and can be used with many different database management systems, but I will be using MySQL to manage my database

I am making the website itself because the current method of booking music rooms is very inefficient and having this website will save a lot of time for Ms. Alkaff and allow students to book rooms wherever whenever. Because Ms. Alkaff works in both the music office and the main senior office she usually spends her time “in both offices” (see appendix A) and therefore is sometimes unable to help students in the music office it means some children don’t even get the opportunity to book music rooms and if they do it needs to be done at break and lunch time in the school day.

### **Criteria for success:**

1. Have a login page for students to login with a name and password to access the website
2. Have an algorithm that automatically selects the room based on the requirements of the user
3. Store bookings and not allow another group to book the same room at the same time, to avoid dual booking clashes
4. Use a blue and white colour scheme that fits the branding guidelines and add the school logo
5. Have a page that displays the future booking time, date and place once booking is stored in the database
6. Have a database storing pending users, and allow the admin to approve them to use the website
7. There will be two different home pages available depending on whether the user logged in is a student or the admin
8. Have changeable passwords