Client's Scenario

My client is a tutor who has many students. After talking to my client, I found that she uses a log book to log her lessons and the payment which is owed to her manually, but because it is a book, this information is not sorted and she has to search through the book to find out what time her lessons are and what needs to be paid to her. This method is exhausting and she finds it tiring going through it every day, as mentioned by her in the interview. She says she also struggles now with payments as some clients do not pay on time or use methods that are difficult to verify, for example, digital payments as she has to log in to the bank app to check. She found it was easier for her to make sure she had been paid when it was done through cheques. She also has to schedule lesson times through lengthy conversations with clients, which is made especially difficult as clients may schedule times which are already busy due to being unaware of her schedule. She uses an android and would like an app on her phone to easily carry around while travelling to her student's houses.

Rationale for Product

The product will be a website so students can access it, but will be put on her phone for portability, which is important as my client travels a lot. She also doesn't want to log in frequently, google can save her log in. Student lessons will be in list form so she can search a student, and see a time-sorted list of her upcoming lessons, which is better than searching through her book. A calendar view will be used to display her unavailability to students, making scheduling easier. An auto-counter will track lessons and display payments so she doesn't have to manually calculate by looking through her book. She can easily keep track of what is owed through a payment list where she can confirm payments, instead of remembering. The app will send lesson reminders to her phone. She stated she wants a section where students can share song sheets with others, better than suggesting to students and bringing it to them. She is an android user so I have chosen java for the backend — the language used by native android apps — and SQL to access the database where information will be stored given it is the standard. The database will be MySQL because it is efficient and can handle multithreading.

Success Criteria:

1. the application counts how many lessons a student has had, up to 4, where the count resets, and then adds the tuition fee to the student's outstanding balance before the count resets
2. the application can display a specific student's lessons after their name is searched
3. the application can sort lessons by date and time
4. my client can edit a student's outstanding balance
5. my client will be able to create a new student and edit student information
6. my client can create timings on a calendar which show she will be unavailable and also create or edit lessons
7. my client will be able to create new session timings and select a student, and if details are not filled in, the program will automatically fill in the details with the default values for the respective student
8. students can request lessons and view their balance
9. students can only see details of their own lessons

10. users can upload song sheets through various file types
11. the application can send notifications to my client’s android phone