APPENDIX 1

Me: Good morning, Ms. Preeti. How are you today?

Client: I'm doing very well. How are you?

Me: I'm good too, ma'am. You recently started your own tuitions, right?

Client: Yes, I have.

Me: Ah, are they going well?

Client: Yes, they are going quite well. However, I am facing some issue with managing my classes and keeping track of them.

Me: Oh, what issues are you facing exactly?

Client: Well, as of now, I have a physical diary where I write down all my classes and keep a track of the tuition fees. However, lately, I have been finding it difficult to keep track of this information because I often misplace the books in which I write the information down. There are some days when I forget to write the dates, or I write the wrong dates. Communicating with the students becomes an issue sometimes because they do not have their own phones and rely on their parents' phones but sometimes their parents are out of the house. Finding documents on WhatsApp chats is a little time consuming too. I wish there was a platform which I could use to solve these problems.

Me: I could actually help you with that ma'am. I could create a learning management system in the form of a web application or an app which could help you with these tasks.

Client: Oh, that would be great. Could you actually please?

Me: Of course, yes. Would you prefer this platform to be an online web application or an app?

Client: I would prefer this to be an offline application so that I can work on it even when I do not have internet.

Me: Okay, do you have any specific features in mind which you would want me to include into this application?

Client: Yes, I would like features such as calendars and timetables where I can schedule classes, WhatsApp reminders being sent to my student and I before a class, tracking down the dates of the classes and the fee payment. Moreover, I would like to upload resources for my students so that they can access notes and worksheets with ease. I should also be able to assign them certain assignments where they can upload their own work. I feel that may help in keeping track of the topics learned. And if possible, I would also like to have an option to chat with the students on this platform.

Me: Okay, sure. So, you would want them to pay their fee through this application too, right?

Client: Yes.

Me: And would you want any features for analysing student performance?

Client: Oh yes, it would be nice if the app automatically tracks and graphs the progress of the students depending on their score on the assignments that I assign them.

Me: Do you have any name in mind for this app?

Client: EduPro or EduTrack sound like good names.

Me: Great. Do you have any design preferences in mind?

Client: No, not at the moment. I do not have any design in mind for the application. If you are able to draw a few rough designs of what the application might look like that would be very helpful. I would be able to understand the working of the application and inform you in case I would like any changes.

Me: Surely Ms. Preeti. I will do so, and I will send them to you for approval at the earliest.

Client: Thank you so much. I have seen a few platforms like this before, but I felt that some applications were either not meeting my needs, or they were complex and had too many features for me to remember and the applications which I felt met my needs were usually paid.

Me: Do not worry ma'am. I will ensure that this application is easy to use. Well, I have no more questions for you ma'am. Do you have any questions for me?

Client: No, I do not.

Me: Okay then, it was a pleasure speaking with you ma'am. I will keep in contact and if you do have any queries or suggestions, please do contact me. Here is my card. It has my email and WhatsApp number. I am active on both so you may contact me through either.

Client: Great. Thank you so much. I shall take my leave then.

Me: Have a nice day ma'am.

Client: Thank you. Same to you.

APPENDIX 2

Me: Good afternoon, ma'am. How are you?

Client: Good afternoon, I am doing great. How are you?

Me: I am doing well too, ma'am. In our last meeting, ma'am, we had spoken briefly about an issue you were facing with managing your students' information and your students' records, yes?

Client: Yes, we did, and we had also spoken a little about a solution which you could provide me.

Me: Yes ma'am. I have kept in mind the details which we had discussed last time, and I have made a few designs for all the pages and features that you had wanted. Here is a printout of the designs which I have made. The first few pages contain some draft tables of sample inputs and outputs.

Client: Over here on the calendar page, is it possible to actually have it like the student information and task pages? Because then I can see the list of meetings for every student separately.

Me: Sure ma'am, I can do that. Also, ma'am, in the Dashboard page, over here, the chat feature, I thought it could just be an integrated version of whatsapp because actually the students cannot really communicate on this application since you wanted it to be offline. For a payment portal for fee payments and for directly communicating with students, you would need to be connected to a network along with the registered students. Even for the whatsapp feature actually, you would need wifi. However, no other pages require wifi.

Client: Okay, that's alright.

Me: Are there any other details I must add in the student information page ma'am?

Client: Let me just see. Yes, actually, could you please include address too? Just in case.

Me: Sure ma'am. I'll annotate on this page itself.

Client: The bin buttons on the editor pages are for discard the edits?

Me: Yes ma'am.

Client: And the home icons on the main pages are for going back to the Dashboard?

Me: Yes ma'am.

Client: How do I close the application?

Me: On the Dashboard page there is a logout button, ma'am.

Client: Ah.

Me: When you press that logout button, the login page will open up again and here, there is an exit button which will close the entire program.

Client: Okay so, in the student information page, that is the edit button, and will that open up a student editor?

Me: No, I thought you could directly edit on that screen but if you want then I could create a student information editor page.

Client: Either way is fine for me actually. Do whatever you feel is right.

Me: If you want a more detailed description of the functionalities for each page ma'am, after the designs, I have put in some flowcharts.

Client: Okay, I'll just see them. Uh, what is this curve cylinder?

Me: Oh ma'am, that is the notation for an online database. We have certain standard rules to follow while making flowcharts for our programs. For this program ma'am, would you want to have files on your laptop where all the data is saved, or would you want a database where all the records will be saved?

Client: Any would actually be fine with me, but the files option might be a little taxing to be honest because finding those files might be a hassle.

Me: Okay ma'am, that is noted. Then I will use a database which you can access without wifi and isn't a text file but you will have to install such a system on your laptop, would that be okay?

Client: Yeh, that's alright. Also, where is the student task improvement tracking feature.

Me: Oh, okay ma'am, I am still reading up about that. I am not sure if I can incorporate that, but I will try.

Client: Okay, it would be good if that grade tracking feature is present. Will students be receiving email reminders for the meetings?

Me: Yes ma'am, that can be done.

Client: Alright, that's great then.

Me: Any more questions or suggestions which you may have ma'am?

Client: Nothing comes to my mind right now. But I will think and let you know if there is anything.

Me: Okay ma'am. Thank you for your time.

Client: No worries. Have a good day.

APPENDIX 3

Me: Good afternoon, ma'am.

Client: Good afternoon, how are you doing today?

Me: I am doing great ma'am. How about you?

Client: I am doing great too. So, this meeting is regarding the final product?

Me: Not the final, ma'am but it is a first draft of the product.

Client: Okay so, changes can still be made right.

Me: Definitely ma'am.

Client: Okay then let's look at the project

Me: Yes ma'am, I will just open the applications. Here is the database ma'am. I decided to use SQLite because it is a local database, meaning you will have to download it on your laptop, but you can access it and changes can be made in it even when you are offline. We'll run the program now, First, it shows whether it is connected or not, it says connected right now so we'll press okay, and it will take us to the login page. I have mentioned your specific login details on this sheet. If I enter an incorrect email or password, here, the error message shows. Else, the Dashboard page will show. Over here on the dashboard page, there are multiple pages like the student information page, meeting records page, and files page. On the student information page ma'am, you can add and remove student names by using the plus and minus buttons. The details right now are blank because we just created the student names. We can edit a student name like this. We'll click on the student's name and then on the edit button and then the student information editor page will open up. Here we'll type out the details. We can delete the edited details by pressing the delete button or we can save the edited details by pressing the done button.

Client: Okay great, this is good.

Me: Moving on to the tasks page, you can view the list of registered students by pressing this view button and then you can click on a student to show the task records for that student.

Client: Okay, I'll just create some samples to test it.

Me: Sure ma'am. Also, ma'am, when you assign details to a task record, the details of that task will be sent as an email reminder to the selected student. I thought implementing the feature of sending reminder emails would be beneficial in the tasks page and the fee page too.

Client: That is good, yes, that would be very helpful actually.

Me: The other pages are also like the task and task editor page. We can add, delete, and manipulate records. On the fee page, we can create a record and then, when the edit button is pressed the fee information editor will open and then when the done button is pressed, an email is sent to the student's email either showing them the pending amount or showing them that the full fee amount has been paid for a certain duration of classes. And we can also check the whatsapp page here, it will open up my whatsapp page as of now because my whatsapp web is connected on my default browser.

Client: This is great, this is all good. But there some error showing up for one of the students I think when we were making a fee record for that student.

Me: Oh, I'll just check that. It's an email error ma'am. I think for one of the students, we did not enter an email so when we tried to create a fee record, the email could not be sent because no email was entered. The error which you observed ma'am, will actually not show when someone uses this application, so I'll add a pop-up box to inform you in case an email has not been provided for a student.

Client: Okay, that sounds good. And also, when we were editing the details in the editor pages, when we open up a record for which we already have written some details and we only want to edit one of the fields, right now we'll still have to re-write all the fields which can become tedious. So, is it possible to change that?

Me: Sure ma'am, I will do some research and find out how I can change that. Would you want the current details to display on the editor page text boxes? And then edit the ones needed?

Client: Yes, that's what I want.

Me: Anything else ma'am?

Client: Could you just show me the database for this project? I just want to see how it looks and works.

Me: Sure ma'am. So, over here, I have created the tables for each page. Here is the login table with your login details. The student info table has all the student information entered from the student information page.

Client: Ah, okay, I think I am understanding it now.

Me: Any other suggestions for this solution ma'am?

Client: Well in regards to the design, for now, the colours are fine for this program but later on maybe the colours could be changed a little and a background page could be added to make the app more appealing?

Me: Surely ma'am, yes. And also, ma'am, as of now, I still have not been able to implement the feature for tracking student improvement in the tasks and due to a time constraint, I may not be able to include it but I will definitely work on this application for you even after the school deadline.

Client: No worries at all, up till now everything seems good. I think there are just one or two errors which you have to fix but I think other than that everything seems great.

Me: Yes ma'am, I will work on the errors and suggestions immediately and I will show the updates to you as soon as possible.

Client: Okay, thank you.

Me: Thank you, ma'am.

Client: See you soon.