

Appendix

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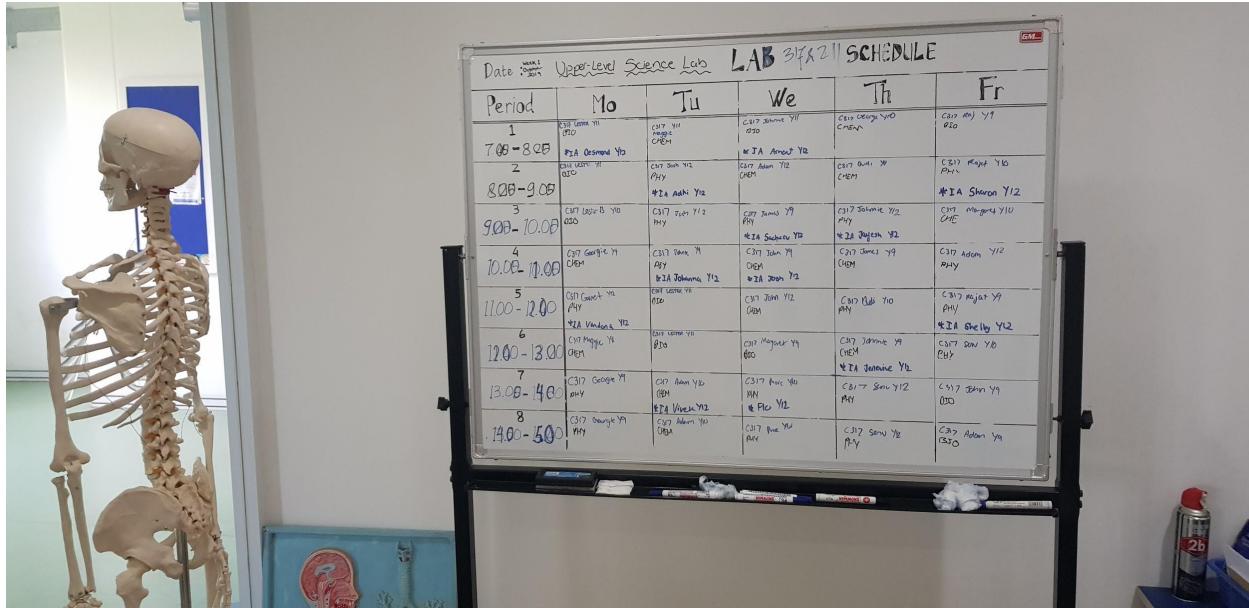
Appendix 1: Notes from Preliminary Meeting

10 June 2019

①

- problems with teachers and reservation booking, clashes often.
- have to manually draw it and write it manually
 - ↳ can be unclear
- store digitally, ^{easy} to share + print + save
- admin can create / delete reservations
- teacher & subject details automatically added, and a collection of all teacher/subject data.
- app? program? mobile? desktop?
 - ↳ on windows computer → Java program
 - ↳ only for Mr Major to access
 - ↳ similar to school timetable format
 - ↳ help prevent clashes.

Appendix 2: Manual Whiteboard Timetable



Appendix 3: School Timetable Format

Beacon Academy Timetable Y12 v.1 (Generated 2019)

	Monday	Tuesday	Wednesday	Thursday	Friday
06 AM	B6 (Physics, Biology, Chemistry) C308, C302, SCILABSS 06:00 AM - 08:00 AM	B2 (ESS, Psychology, Physics, Bio, Chem) C302, C305, C392, C323, C242 06:00 AM - 08:00 AM	B2 (ESS, Psychology, Physics, Bio, Chem) C302, C305, C392, C323, C242 06:00 AM - 08:00 AM	B2 (ESS, Psychology, Physics, Bio, Chem) C302, C305, C392, C323, C242 06:00 AM - 08:00 AM	B2 (ESS, Psychology, Physics, Bio, Chem) C302, C305, C392, C323, C242 06:00 AM - 08:00 AM
07 AM					
08 AM	B2 (BI, Mandarin, Hindi, French AB) C302, C305, C392, C932	B2 (BI, Mandarin, Hindi, French AB) C302, C305, C392, C932	B2 (BI, Mandarin, Hindi, French AB) C302, C305, C392, C932	B2 (BI, Mandarin, Hindi, French AB) C302, C305, C392, C932	B2 (BI, Mandarin, Hindi, French AB) C302, C305, C392, C932
09 AM	B5 (Business M, Economics, Enterprise) C503, C392 09:00 AM - 11:00 AM	B7 - Mathematics (MS, SL, HL) C302, C392, C492 09:00 AM - 11:00 AM	B5 (Business M, Economics, Enterprise) C503, C392 09:00 AM - 11:00 AM	B7 - Mathematics (MS, SL, HL) C302, C392, C492 09:00 AM - 11:00 AM	B5 (Business M, Economics, Enterprise) C503, C392 09:00 AM - 11:00 AM
10 AM					
11 AM	Lunch 11:00 AM - 12:00 PM	Lunch 11:00 AM - 12:00 PM	Lunch 11:00 AM - 12:00 PM	Lunch 11:00 AM - 12:00 PM	Lunch 11:00 AM - 12:00 PM
12 PM	B7 - Mathematics (MS, SL, HL) C302, C392, C492	B7 - Mathematics (MS, SL, HL) C302, C392, C492	B7 - Mathematics (MS, SL, HL) C302, C392, C492	B7 - Mathematics (MS, SL, HL) C302, C392, C492	B7 - Mathematics (MS, SL, HL) C302, C392, C492
01 PM	B3 (Music, Visual Arts, Drama, Dance) 01:00 PM - 02:00 PM	B1 (HL ENG, SL ENG) C302, C392, C393 01:00 PM - 02:00 PM	B1 (HL ENG, SL ENG) C302, C392, C393 01:00 PM - 02:00 PM	B1 (HL ENG, SL ENG) C302, C392, C393 01:00 PM - 02:00 PM	B3 (Music, Visual Arts, Drama, Dance) 01:00 PM - 02:00 PM
02 PM	B1 (HL ENG, SL ENG) C302, C392, C393 02:00 PM - 03:00 PM	B1 (HL ENG, SL ENG) C302, C32, C393 02:00 PM - 03:00 PM	B3 (Music, Visual Arts, Drama, Dance) 02:00 PM - 03:00 PM	B3 (Music, Visual Arts, Drama, Dance) 02:00 PM - 03:00 PM	B1 (HL ENG, SL ENG) C302, C392, C393 02:00 PM - 03:00 PM

Appendix 4: Further Discussion with Client (Scheduled Interview):

29 June, 2019

A: Candidate

B: Mr Najjar (Client)

A: Hi sir, thank you for taking the time to talk to me.

B: No worries, I'm the one who needs help with the science lab timetable. Your computer science teacher told me you had a couple ideas?

A: Yeah, so what I decided is that because you have a Windows computer on your desktop, I thought it would be suitable to make a Java program that will be able to handle all of the timetable scheduling you need to do. With this, I have a couple things that I wanted to confirm first and what would be considered as a successful product.

B: Yes I think the Java program will be perfect. Basically, all I need is to be able to easily create scheduling reservation slots, to delete them and a feature to allow me to save, so I can work on it later, and a way for me to print instantly.

A: Aah, I see. In our last meeting you also told me that sometimes you had to contact teachers if there was confusion between their slots right? So, I thought to also include a teacher database, to store all of the teacher information so that if you need to contact them and look for their information, it will be stored here. Also, I thought of including all of the subjects so that in the timetable interface, all you have to do is use a dropdown box and select the teacher, subject and year level, draw the reservation and there you go, a creation of the reservation.

B: I think that's a really good idea. That way I no longer have to type all of the information again and again. That's a great idea!

A: Hehe thank you. But before I begin, I just wanted to clarify the success idea with you to define what would consider the product successful. Give me a minute.

B: Sure.

A: So I thought that the success criteria for the program would be:

1. An error-free interactive timetable interface, modelled after the school timetable
2. Creation of timetable reservation slots with notes
3. Deletion of timetable reservation slots

4. Save the current reservations and open at a later time
5. Print the reservation timetable
6. Add and delete teacher information
7. Add and delete subject information

B: That sounds good. But is it possible for the application to have a login page beforehand, this will help to make sure that only I have access.

A: Yes, I can do that. Do you want it to be a way to register, or do you want me to tell me the username and password beforehand so I can implement it immediately.

B: Yes, I'll tell you what I want the username and password to be, I just want an added layer of security.

A: For sure, I understand. So, does this look good as the success criteria:

1. An error-free interactive timetable interface, modelled after the school timetable
2. Creation of timetable reservation slots with notes
3. Deletion of timetable reservation slots
4. Save the current reservations and open at a later time
5. Print the reservation timetable
6. Add and delete teacher information
7. Add and delete subject information
8. Login page for security

B: Yup, it looks perfect. When can I see this done?

A: Give me a moment sir.

B: Yes, no problem.

A: So, I thought of dividing the project into three main versions.

Version 1: The GUI and visual interface is set up, however, no functionality has been added.

Version 2: The login page is set up, and the teacher and subject registration pages are successfully connected to a database.

Version 3: The main calendar interface and combo boxes are successfully connected to the database. The save and print features are also implemented. Overall, the product has complete functionality.

B: Ok those sound like pretty workable stages. When can I see this done?

A: Let me have a look. So I think that Version 1 should be done by 2nd August, and Version 2: 18th of September, and I think Version 3 should be done by the 1st of November before the Christmas break and December exams.

B: Ok that looks good. I'm excited to see the product when it comes. Let me know if anything.

A: For sure sir. Also, I wanted to ask about some details regarding the program.

B: Yes?

A: I was planning to model the timetable section of the program after the school timetable. Do you want me to use the same timings or an extended range?

B: That's a good thing you brought up. I think you should extend the timings, from 6am to 5pm, because sometimes some teachers want to reserve an activity that might take a little longer. So, that would be good.

A: Okay, then if I show the entire week or seven days, should that be okay for the design?

B: Yes, seven days should be perfect.

A: Alright, thank you so much sir.

B: No worries, see you.

A: See you sir.

Appendix 5: Client using Finalised Product



Appendix 6: Client Feedback on Finalised Product

10 of 3,343

Science Lab Timetable ➔ Inbox x

 **Najjar**
to me ▾

Dec 9, 2019, 2:23 PM (6 days ago)

Hello,

I would first like to say thank you for all the hard work you have put in, and I am grateful to have someone like you to help us out here at Beacon. Your Science Lab Timetable Manager will be of great help in school, and I can't wait to begin to implement it soon.

However, when using the application again, I had a few ideas in order to improve the timetable interface. I was thinking if it was possible to include different colours for the different year levels? This may make it easier to differentiate between the different classes and it might help with the teachers as well.

Also, I was thinking if it was possible to directly modify a reservation, because right now, it is only possible to create and delete, however this process is also very quick. But, the ability to modify might make it much more efficient.

Once again, thank you for the work you have done, and I am incredibly satisfied with the product. Let me know what your thoughts are, and if you need clarification for anything I said.

Thank you,

Najjar
Beacon Academy Upper-Level Science Lab Manager

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