**Appendix A – Consultation with Client**

**Initial Client Consultation**

*[The following is a transcription of the consultation with the client.]*

**Me**: Hello. I’m starting a project for my IB Computer Science class. Is there anything that I can help you with using computer science?

**Client**: Yes, actually.

**Me**: What would you like me to help you with?

**Client**: I have so many LEGO sets that it’s difficult to keep track of them all. So I’d like something where I can keep track of all the sets.

**Me**: So you want me to create you a GUI where you could store that information?

**Client**: Something like that.

**Me**: Ah, I see. I could do that. You’d be able to enter the information and then store it in a table, which you could pull up at any time. But what identifying information do you want to enter?

**Client**: For each entry, I want to be able to manually add and edit: the LEGO set number, LEGO set category (like Creator, Set Champions, etc.), description of the LEGO set, the year the set was released, and the current value of the set. I’d also like to be able to upload a picture of the set.

**Me**: I don’t think it’s within my capabilities to include a function to upload pictures and have a current value calculator, but the rest I can do. How would you like the entries to be sorted?

**Client**: I’d prefer it if they could be sorted by the categories I mentioned earlier.

**Me**: Okay, got it.

**Client**: When I create an entry, I’d like it so that it’s automatically created as soon as I enter the set number. It’d be nice if you could have added a function to scan a barcode and then automatically create an entry, but it’s fine if you can’t.

**Me**: Got it. *[takes notes on laptop]*.

**Client**: That’ll require downloading a catalogue of LEGO sets. I have some sites you can use.

**Me**: Thank you. Wait, that reminds me, since you’re inputting personal information, it’d be a good idea to have a username and password-based system.

**Client**: That’d be a good idea. Are you going to add encryption as well?

**Me**: Yeah. Is there anything else?

**Client**: I’d like to be able to find any set using any keywords.   
**Me**: So like a search bar?

**Client**: Yup.

**Me**: Okay then. Is there anything else?

**Client**: Nope. I think that should be all.

**Me**: Alright. Thank you for your time.

**Intermediate Client Consultation #1**

*[The following is a transcript of the second meeting with the client.]*

**Me:** Hello, I’ve come up with a plan for the LEGO Database.

**Client**: Hm? Let me see.

*[Client looks at the diagrams for planning*.]

**Client**: What you have is good so far, but it’s a bit lacking. Since the Start Menu is so lacking, why not shrink it?

Me: But don’t you want it to be the same size as the other windows?

Client: No, for the Start Menu, it’s better if it’s smaller. The same applies for the Log In and Account Creation windows.

Me: Alright then. Please cut out the main menu; it’s unnecessary. Just have the program go directly to the View Window.

Me: That should be an easy enough fix.

Client: Now that I think about it, the way that you want to add entries is terribly inefficient. Why not just make it so that I can select the entry I want to add? I’m not always going to remember the set number.

**Me**: That’s a good idea. I could always make it so that you can select a row from the table with all of the LEGO sets.

**Client**: If you’re going to do that, at least add a filter so that it’s easier for me to sort through it. I’m not looking through that many sets.

**Me**: I’ll also add that to the View Window for your convenience.

**Client**: That’d be great if you could do that.

**Me**: I think I should also add some options to manually edit the information entered.

**Client**: If you’re going to do that, at least let me input my own information. The theme id and the number of parts are useless to me as a collector. Also, it doesn’t make much sense for me to be able to edit the set information directly from the catalogue. I’d like to be able to put in the number of sets I have, the date I obtained them, and the price I purchased them at.

**Me**: Got it. Would you like to also add the ability to put notes on each set?

**Client**: Hm? Yeah, that would be helpful.

**Me**: Okay, I got it. I think what I’ll do is that you can select a row on a table with all of the appropriate information. There’ll be two separate tables: one for your personal collection---

**Client**: Wait, didn’t you say that multiple users could use this application? Shouldn’t you specify which user’s collection this is?

**Me**: Oh yeah, you’re right. I’ll definitely add that. But back to my point---There will be two tables: one for your personal collection and one with all of the sets in the catalogue you gave me. When you click on a row in either table, you’ll be taken to another window where you can manually enter the date you bought the set, the purchase price, and any notes you want to take on it. Then, an entry for the set using the information provided from the row you clicked and the information you manually entered will be generated, and then added to the table.

**Client**: Yes, that sounds much better---and a lot less work. Is the process the same for editing entries?

**Me**: Yes, it is. However, you cannot edit any information taken from the catalogue table, only the information you manually entered.

**Client**: I see.

**Me:** Is there anything else that concerns you?

**Client:** Wouldn’t it be easier to just use a calendar to add the date you purchased an item? Instead of me having to manually type it in.

**Me:** That should be an easy fix. I’ll add it as soon as possible.

**Client:** While we’re at it, wondering why the text is so big. It doesn’t need to be that big.

**Me:** What size font do you want it?

**Client:** About size 12 or 14 font.

**Me**: Got it.

**Me:** Is there anything else?

**Client**: No, I think that’s it.

**Intermediate Client Consultation #2**

*[The following is a transcript of the third meeting with the client.]*

**Me**: Hello there, [CENSORED].

**Client**: Hello.

**Me**: Before I declare my project finished, I’d like to know if you’d like any last-minute changes to the GUI.

**Client**: Show it to me?

*[The client looks at the GUI program for several minutes.]*

**Client**: The layout for adding entries a bit confusing. Could you maybe fit the table for adding entries on the same window as the options to manually fill in information? It’d be easier to process that way, instead of having to go through several windows.

**Me**: That should be an easy enough fix.

**Client**: Also, it’s not clear that you’re supposed to select a row to edit or delete an entry. Maybe an instruction for that?

**Me**: Alright.

**Client**: Also, everything should be aligned as much as possible, or it looks really ugly. And make the font a bit smaller, it’s still too big.

**Me**: Okay, got it. Like this?

**Client**: Yes, exactly. That’s perfect. It’s much cleaner now.

**Me**: Are there any other changes you wanted me to add?

**Client**: No, it’s fine as is.

**Me**: Thank you. I’ll be sure to show you the final product.

**Client**: I’ll look forward to it.

**Final Client Consultation**

*[The following is a transcription of the final meeting with the client.]*