Appendix 2 (Second interview with the Client)

— (Me) Hello again. I've been working on the application based on our previous discussions and your requirements. I have compiled a list of technologies and development techniques used in the project. I would like to present this to you and get your feedback. <**...Presenting technologies and techniques from Criterion C..**.>

— (Client) It seems that you've chosen the right technologies for this project. I appreciate that you've considered scalability and future upgrades. What progress have you made after selecting these technologies?

— (Me) I have created a design for the application, which includes different pages such as login, registration, price comparison, product comparison, and product search pages. I've used Flask framework, Jinja2 templating language, and PostgreSQL database as per our discussion. I have also started working on the visual interface and project structure. I can show you some of the designs and structures here <**...showing design elements and structures...**>. Please let me know if you have any comments or suggestions.

— (Client) The designs and structures look good to me. I'm particularly interested in the data mining and data visualization aspects of the project. Can you tell me more about how you're handling these?

— (Me) Certainly. For data mining, I'm using web crawlers with the HTTPX package for reliable and fast request handling, along with the lxml package for parsing DOMs and extracting valuable information using XPath expressions. I've created an abstract class for crawlers and unique crawler classes for different web pages. As for data visualization, I've

used the Dash framework to create interactive and responsive graphs and tables that update based on user input.

— (Client) That sounds great! I'm excited to see how the data mining and visualization components work together in the final application. Is there anything else you'd like to share at this point?

— (Me) I just wanted to mention that I have implemented user authentication and authorization, as well as used object-oriented programming principles such as inheritance, encapsulation, and polymorphism throughout the project. This will make the code more maintainable and extensible. I will continue working on the application and keep you updated on the progress.

— (Client) Thank you for the detailed explanation. I'm really happy with the direction of the project so far, and I'm looking forward to seeing the final product. Keep up the good work!

— (Me) Thank you for your feedback and encouragement. I'll continue to work on the application and will present a more complete version in our next meeting. Have a great day!

— (Client) You too!