Criterion A - Planning

Problem Statement

Mr.Bates does not have an organized database that can track all the information for IASAS trip traveling.

Word Count: 18

<u>Description of Scenario</u>

My client, Mr.Bates, is a high school girls rugby coach who travels for IASAS once a year¹. He needs a database to manage all student information, passport, visa, and potentially images in an organized way.² He realized that his current database is not efficient and needs improvement with additional functionalities he desires

Word Count: 53

Rationale for the Proposed Product

I chose database as a solution as it directly serves my client's desire. This is to recreate a database that is being implemented in ISB, to a more organized one with direct access. I didn't find a necessity for a website as it is just privately seen and reliance upon the Internet may have issues when the server is down or simply by disconnection. The GUI features were used for an increase in user interface with the client. Although the client's main title is an IT coordinator, many attempts were taken in case for this program used by coaches with not much experience in Technology. Java was used as it runs on many platforms and is the programming language I have the most knowledge in. I thought I could produce the most efficient program if I understand more about the language. Moreover, it is free and requires no licensing.

Word Count: 149

<u>Preliminary Prototype with Annotations</u>

Refer to Appendix 4

¹ Chad Bates, interview by author, Bangkok, November 4, 2019, transcript section #1, Appendix 1A

² Chad Bates, interview by author, Bangkok, November 4, 2019, transcript section #3, Appendix 1A

³ Chad Bates, informal email interaction by author, Bangkok, November 11, 2019, Appendix 3

Success Criteria

*Based on the interviews and informal interactions

- 1. Allow the client to save and read all the input information
- 2. Upload Image of a passport page when a certain student is selected after automatic search of the directory folder with load of image files.⁴
- 3. Data management for edit and remove input data⁵
- 4. Login Page for the user⁶
- 5. A Pop-Up notification for any error, verification, or providing necessary information.
- 6. Search through the database to view every necessary information regarding visa⁷
- 7. All information with the exception of visa and passport number will be sorted in any order
- 8. Students will be filtered automatically if they need a Visa for traveling.
- 9. Student sizes are expandable.8

Word Count: 0 (bulleted list)

Total Word Count: 220 words

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⁴ Chad Bates, informal interaction by author, Bangkok, November 11, 2019, Appendix 3

⁵ Chad Bates, interview by author, Bangkok, December 3, 2019, transcript section #6, Appendix 2A

⁶ Chad Bates, interview by author, Bangkok, December 3, 2019, transcript section #4, Appendix 2A

⁷ Chad Bates, interview by author, Bangkok, December 3, 2019, transcript section #2, Appendix 2A

⁸ Chad Bates, interview by author, Bangkok, December 3, 2019, transcript section #3, Appendix 2A

Appendix 1A: First Official Meeting Transcription (Investigating the problem)



Appendix 1B: First Official Meeting Audio File (Investigating the problem)



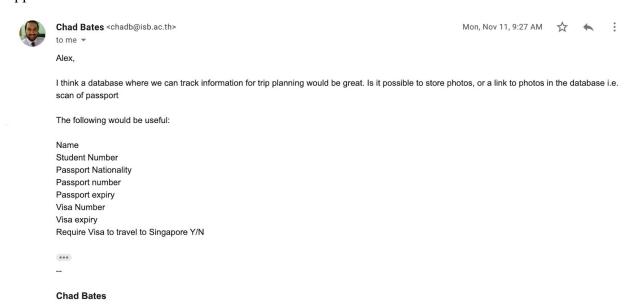
Appendix 2A: Second Official Meeting Transcription (Feedback on the Prototype and Success criteria)



Appendix 2B: Second Official Meeting Audio File (Feedback on the Prototype and Success criteria)



Appendix 3: Informal Email Interaction



Appendix 4: Preliminary Prototype with Annotations

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