

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

Description of Scenario

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 3} 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

Preliminary Prototype with Annotations

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

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)



Crit_A_Appendix_1
A_Interv...Text.pdf

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



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



Crit_A_Appendix_
2A_Inter...Text.pdf

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



Appendix 3: Informal Email Interaction



Chad Bates <chadb@isb.ac.th>

to me ▾

Mon, Nov 11, 9:27 AM



Alex,

I think a database where we can track information for trip planning would be great. Is it possible to store photos, or a link to photos in the database i.e. scan of passport

The following would be useful:

Name
Student Number
Passport Nationality
Passport number
Passport expiry
Visa Number
Visa expiry
Require Visa to travel to Singapore Y/N



--

Chad Bates

Appendix 4: Preliminary Prototype with Annotations

Student Information Visa Information Display Linked Photos Query D.M

Student Name
 (indicate Firstname Lastname) ↳ Separate the text fields to two

ID Number

Grade → ~~Text~~ → **ComboBox**
 As there are only 4 choices
 ⇒ prevent mistyping data

Year

Add → Add into the combo box in the Visa Information Tab

the "Full Name"

a search engine
 ↓
 Data Management Page to edit and remove data

Scanned with CamScanner

Student Information Visa Information Display Linked Photos Query D.M

Name

Passport Nationality

Passport Number

Passport Expiry Date **Day/Month/Year**

VISA Required Yes No

Visa Turned In Yes No

VISA Number

VISA Expiry **Day/Month/Year**

Add

Scanned with CamScanner

Student Information Visa Information Display **Linked Photos** Query D.M.

SelectToSort Refresh

Last Name	First Name	ID Number	Grade	Year	Visa Required

Scanned with CamScanner

★ Integrate this feature in the Query Tab that'll be added.

Student Information Visa Information Display **Linked Photos** Query D.M.

Alex Upload

20442

Passport and Visa IASAS Photos

Upload Student Passport Copy Not for the purpose of this database

Name	Date Modified
2D Arrays and ADTs	Wednesday, October 30, 2019 8:16 AM
Adlm	Thursday, June 13, 2019 7:43 PM
Applications	Monday, February 11, 2019 10:59 AM
Collections Revisted	Tuesday, October 15, 2019 1:59 PM
Desktop	Wednesday, November 27, 2019 9:4...
Documents	Thursday, June 13, 2019 7:44 PM
Downloads	Thursday, November 28, 2019 8:57 ...
IdeaProjects	Monday, October 7, 2019 6:44 AM
Library	Friday, August 30, 2019 6:19 PM
Movies	Saturday, February 16, 2019 5:39 PM
Music	Tuesday, February 12, 2019 8:36 PM
NetBeansProjects	Tuesday, November 26, 2019 12:22 ...
Pictures	Friday, June 7, 2019 6:05 AM

Student A Visa Copy
Passport

Student B Passport Copy

Student C Visa Copy
Passport

File Format: All Files

Cancel Open

Try to make this a pop-up notification when "upload" button is clicked

Rather create a frame that shows passport copy for each student

Scanned with CamScanner