Problem Statement

My client does not have a database to track family information and expenses for trips throughout the year.

Word Count: 18

Description of Scenario

My, client, Mr. Yang enjoys planning long trips for his family. He uses a database when organizing the finances of trips of other US diplomats, but needs one for his own personal trips. Being a financial management officer, he likes to keep track of all his expenses, but given the number of trips that he and his family go on, it is difficult to keep track of.

Rationale

Given that the program deals will be dealing with a lot of different trips and expenses, a database using object-oriented programming will be created to replace Mr. Yang's old Google Spreadsheet. My client also has a database used for his coworkers, so by creating a database, there will be some familiarity and ease of accessibility. I am using Java to code the program, as I am most familiar with the language, and am using the Netbeans IDE as it is a simple but effective GUI builder.

Success Criteria

- Adds expenses and budget to a running list, can edit or remove anything depending on any changes
- Keep track of all expenses and how much budget is left
- Track what types of expenses have and have not been spent yet (food, travel, accommodation)
- Filter the expenses by type, how much is spent
- Can search for specific expenses
- Can search for budget and expenses for each trip
- Notifies the user if any fields are left blank, or if expenses exceed the budget
- User-friendly, similar to the database he uses for work

Criterion A Total Word Count: 153