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Final Project Proposal: Travel Planner

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**Purpose of project:**

* Create a program that allows user to create their dream vacation
  + Choose one of the continents to go to then choose from a list of countries to go to
  + Have text files with lists of activities and their prices for each country
  + Ask user for a budget and keep track if the user goes over the budget
  + Because of time, I will create the following categories for each country:
    - Hotels
    - Airplane tickets
    - Food
    - Activities/Attractions
  + For each continent, I will choose two countries to do:
    - North America: Canada (split into regions) and Mexico
    - South America: Paraguay and Brazil
    - Australia (split into regions)
    - Asia: Taiwan and Korea
    - Europe: France and UK (split into regions)
    - Africa: Morocco and Nigeria

**Problems/Challenges:**

* One problem may be keeping track of all the different lists and keeping them organized based on the country
* Another problem is to keep an accurate account of the prices of every single activity and making sure it doesn’t go over the budget
  + I will have user choose from a category for the budget instead of having them enter in a specific amount
* One way to keep track of all the files is to keep them in separated folders in the project file
* The text files will be very long and there will be many options, therefore I should keep track of the path for each input.
* I will also have to do some research on the activities available in each country
* I will have to use a lot of search function in my program to find the choice the user wants
* Also, I will also print out the summary of the user’s planned trip.
  + Because for restaurants and attractions, cost depends on many factors, the cost will be represented using dollar signs.
  + If the user chooses a combination of 2 objects of 3 dollar signs, I will assume that the total cost of the three items will be equivalent to $1000. However, if they choose a choice that has more than 3 dollar signs, that object alone will be equivalent to $1000.