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INFO-233 Group Project – Phase I

Project Name: Travel Explorer: Personalized Vacation Planner

Team 1

1. Define the problem you are trying to solve.
   1. Planning a trip can be overwhelming and time-consuming because there’s no easy way to find everything you need in one place. People must jump between different websites to check flight prices, book hotels, find restaurants, and figure out what to do at your destination. It’s frustrating, and inefficient, and can make travel planning more stressful than it needs to be. This program will help to simplify the vacation planning process.
2. How does your program help to solve the problem?
   1. The program leverages the API to display real-time data about flights, hotels, restaurants, and attractions in a single platform. It simplifies trip planning.
      1. Bringing all relevant travel details into one place, saving users time and effort.
      2. Ensuring users have access to the most current prices and availability.
      3. Allowing users to filter and customize their search based on preferences like budget, location, or interests.
3. Who will be the users of this program? Detail at least two Use Cases
4. One user of the program could be someone who is looking to book a flight to a certain area and wants to compare prices.
5. Another user of the program could be someone who needs to book a hotel in a certain area and wants to check room availability or pricing.
6. What technology is available to solve the problem? Identify the specific APIs and Modules to be used for the program.
7. <https://rapidapi.com/apidojo/api/travel-advisor/pricing>
8. API Key: 6ea5488623msh8c027bb0c9328bfp16451ejsnc5c92a2c5872
9. curl --request POST

--url 'https://travel-advisor.p.rapidapi.com/answers/v2/list?currency=USD&units=km&lang=en\_US'

--header 'Content-Type: application/json'

--header 'x-rapidapi-host: travel-advisor.p.rapidapi.com'

--header 'x-rapidapi-key: 6ea5488623msh8c027bb0c9328bfp16451ejsnc5c92a2c5872'

--data '{"contentType":"hotel","contentId":"4172546","questionId":"8393250","pagee":0,"updateToken":""}'

1. Detail the sequence of the program- What is the flow of the program? How does a user use the program.
2. The program will ask the user to input a country they are interested in visiting. Based on the input, the program will use API to gather data about places to visit, restaurants and foods to try, and things to do in that specific country. It can be used as a vacation planner since the user will be given the recommendations for the area and pricing. The results will be displayed in a clear concise manner and asking the user if they are satisfied with the trip results. They can either end their session or continue planning by selecting another destination.