John DellAquila, Kevin Iwinski, Elise Kosvoy, Stephanie Musico

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. The challenge is to quickly and efficiently gather detailed information about hotels and restaurants for a specific location, including their ratings and prices. Travelers and travel agencies often face difficulties in manually collecting and comparing this data from multiple sources when planning trips or organizing travel experiences.
2. How does your program help to solve the problem?
   1. The program leverages the API to display hotels, restaurants, and attractions together with their ratings in a single platform. It simplifies trip planning.
3. Who will be the users of this program? Detail at least two Use Cases
4. One user of the program could be travelers looking to go on a trip to a certain city or country and need recommendations.
5. Another user of the program could be a travel agency that is working with a client who is looking to book a trip to a certain city or country.
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. Urls
   1. BASE\_URL = "https://travel-advisor.p.rapidapi.com/locations/search"
   2. HOTEL\_URL = "https://travel-advisor.p.rapidapi.com/hotels/list"
   3. RESTAURANT\_URL = "https://travel-advisor.p.rapidapi.com/restaurants/list"
   4. ATTRACTION\_URL = "https://travel-advisor.p.rapidapi.com/attractions/list"
10. Detail the sequence of the program- What is the flow of the program? How does a user use the program.
11. The program will welcome the user to “Travel Planner” and it will list information about hotels, restaurants, and attractions. It will ask the user to enter a location and then input check in/check out dates. Based on the input, the program will use APIs and URLs to display results. Three recommendations for hotels, attractions, and restaurants will be listed separately. The program will also ensure that the input is valid. There will also be a way for the user to save the information by taking a screenshot of the results and saving to your desktop.