Dna Project Phase 4

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Functions Implemented

We have developed a Python program that incorporates a total of 14 distinct commands to manage various operations within the database.

1. **INSERTION of a new user**:

   - This command facilitates the insertion of a new user into the database, specifically in the 'user_details' table.

2. **Adding new accommodation**:

   - This command handles the addition of new accommodations. It can potentially involve the insertion of a new destination if the specified destination does not exist already.

3. **INSERT A NEW DISH AT A LOCATION**:

   - This command enables the addition of a dish at a particular location. It may increase the types of cuisines served at that location and add to the overall cuisine list in the database (in the 'cuisine' table).

4. **Updating hotel facilities in all hotels in a city**:

- This command allows for the updating of hotel facilities across all hotels in a specified city.

5. **Update password for a user**:

    - This command is responsible for updating a user's password and also changing the last modified password date. It executes only when a user authenticates for the first time.

6. **Get itineraries according to a user's budget**:

    - This command retrieves itineraries for a user based on the specified budget, requiring knowledge of the destination ID.

7. **Find review of an accommodation**:

    - This command allows users to find reviews corresponding to a particular accommodation ID.

8. **Find most served cuisine at a place**:

    - This command helps identify the most served cuisine at a specific destination or location.

9. **Get the bills of the user**:

    - This command retrieves the itineraries taken by a user, presumably for billing purposes.

10. **Get users who haven't changed their password in t months**:

    - This command finds users who have not changed their passwords within a specified duration of time (t months).

11. **Get travel itineraries which have a duration of t days**:

    - This command retrieves travel itineraries that have a duration of t days.

12. **Delete a review given its review ID**:

    - This command allows the deletion of a review based on its review ID.

13. **Delete all reviews made by a user**:

    - This command enables the deletion of all reviews authored by a specific user.

14. **Exit**:

- This command allows the user to exit the program.

15. **Opening tables**:

    - This command retrieves all tables in the database and provides an option to expand a selected table for detailed viewing.

Video link

- https://drive.google.com/file/d/1F8r9WzgQ7Xj2vxluDMQ2vaerKlVg6J2z/view?usp=sharing