DATABASE MANAGEMENT SYSTEM PROJECT

Travel and Hotel Booking System

The Travel and Hotel Booking System is designed to provide users with a simple platform to search, book, and manage their travel plans. It mainly uses SQL databases to store structured information such as user details, hotels, flights, reservations, and payments. This ensures the data is accurate, secure, and easy to maintain.

Alongside SQL, the project also makes use of NoSQL for parts of the system where flexibility is needed. For example, customer reviews, hotel images, and travel experiences are stored in a NoSQL database since this type of data is unstructured and can vary in format. NoSQL is also used for caching frequently searched routes or hotels to make the system faster.

The hybrid approach shows how modern applications combine the strengths of both database types. SQL handles the core booking transactions and relationships, while NoSQL supports scalability and dynamic content. Together, they create a system that is both reliable and user-friendly, similar to what we see in real-world travel platforms.