Trip Management System

Delhi Babu Pokuri

gitXXXXXXXXXXXXX

13-07-2022

The system deals with planning of the trip from origin to destination based on the provided range of dates and range of budget required for the time span provided. So that everyone can have their dream vacation within their range of budget within the minimum budget.

Similar business details:

Name: Roadtrippers.

Sale: $19 Million

Employee Count :33

Reference:

<https://www.zoominfo.com/c/roadtrippers-llc/354626205>

<https://en.wikipedia.org/wiki/Roadtrippers>

Architectures:

Three –Tier Client – Server architecture where tire one will interact with client to gather client requirements such as origin and destination, date ranges for the trip and budget for the trip from minimum to maximum range and share it to second layer where it validated the request like start date is before end data and minimum budget is less than maximum budget and forms the request to send the data to third layer where it gathers data from different service providers to fulfil the requirement and validated the received data. As these are request doesn’t need any concurrency there is no need for any distributed database.

Sales Team

Trip Management System

Data from different service providers

Customer Data and details of the trip

Tables:

Customer Data:

Id int

name varchar,

age int,

gender varchar,

address varchar

**Travel Agency:**

Id int

name varchar.

**Bookings :**

Id int

customer \_id int

travel\_agency\_id int

start\_Date – Date

end\_Date –Date

transport\_int - int

lodging\_id - int

**Travell Data**:

Id int,

name varchar,

mode varchar,

stay\_type varchar,

stay\_location varchar,

**Billing Data:**

Id int,

booking\_id int,

payment\_type varchar,

total Float.

We can automate the conversion activity by writing code in JAVA or python using cloud database connection (JDBC) or using cloud tools such as hevodata. We use parquet, avro and xml are mostly used for transfer of data between systems.