Assignment I
TRAVEL AGENCY Operational DB – Complete the schema!
Assignment I - Solution
TRAVEL AGENCY Operational DB

PlaceType
Type <<K>>
Description

of

Destinations
Place <<K>>
Description
Country

to

TripCategory
Level <<K>>
Description

of

Trip
Name
Duration
Date

with

Guide
SSN <<K>>
Name
BirthYear
Address
Country

Tourists
SSN <<K>>
Name
BirthYear
Address
Country

BookedBy
Price

DW: Data Models
The travel agency is interested in a DM for analyzing the travel behavior of tourists.

1. Total number of tourists and average trip duration for Florence, by age band

2. Total number of tourists for domestic trips, by age band, by country.

3. Total number of tourists, by trip name and category, by group country (alternative: age band, guide, country).

4. Average trip revenue for trips of category level 1 in destination region Toscana, by type of destination, and by year.

5. Number of trips by place type, by month, and by guide country.
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Dimensions</th>
<th>Measures</th>
<th>Metrics</th>
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</thead>
<tbody>
<tr>
<td>1. Total number of tourists and average trip duration for Florence, by age band</td>
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<td>3. Total number of tourists, by trip name and category, by group country (alternative: age band, guide, country).</td>
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<td>4. Average trip revenue for tourists of a trip category level 1 in Toscana, by type of destination, and by year.</td>
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**Fact Granularity**

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<td>Preliminary dimensions</td>
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