

An Analysis on Women's Safety while travelling

Milestone: Logical Model

Group 10

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Percentage of Effort Contributed by Student1: 50

Percentage of Effort Contributed by Student2: 50

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Submission Date: 10/27/2024

Relational Model

Note: Primary Key is underlined, Foreign Key is in Italics.

Traveler (Traveler_ID, Name, Age, YearOfTravel, Gender, Email, Phone_No, Origin, *City*)

- Foreign key *City* refers to *City* from Destination; NULL NOT ALLOWED

Solo (*Traveler_ID*)

- Foreign key *Traveler_ID* refers to *Traveler_ID* from Traveler; NULL NOT ALLOWED

Group (*Traveler_ID*)

- Foreign key *Traveler_ID* refers to *Traveler_ID* from Traveler; NULL NOT ALLOWED

Survey (Survey_ID, Survey_Name, *Traveler_ID*, Review_Text, Rating, Date, *City*)

- Foreign key *Traveler_ID* refers to *Traveler_ID* from Traveler; NULL NOT ALLOWED
- Foreign key *City* refers to *City* from Destination; NULL NOT ALLOWED

Accommodation (Acco_ID, *City*, Acco-Name, Acco_Type, Rating, Safety_Features, Location)

- Foreign key *City* refers to *City* from Destination; NULL NOT ALLOWED

Hostel (*Acco_ID*, NoOfBeds)

- Foreign key *Acco_ID* refers to *Acco_ID* from Accommodation; NULL NOT ALLOWED

Hotel (*Acco_ID*)

- Foreign key *Acco_ID* refers to *Acco_ID* from Accommodation; NULL NOT ALLOWED

Airbnb (*Acco_ID*)

- Foreign key *Acco_ID* refers to *Acco_ID* from Accommodation; NULL NOT ALLOWED

SafetyData (SafetyData_ID, *City*, Safety_Rating, Harassment_Reports, Safety_Policies, Emer_Serv_Availability)

- Foreign key *City* refers to *City* from Destination; NULL NOT ALLOWED

Emergency Service (Service_ID, Service_Type, Availability, Contact_Info, *City*)

- Foreign key *City* refers to *City* from Destination; NULL NOT ALLOWED

Government_Initiatives (Ini_ID, Effective_Date, Desc, Ini_Name, *City*)

- Foreign key City refers to City from Destination; NULL NOT ALLOWED

Transportation (Transport_ID, City, Mode, Response_Time, Rating)

- Foreign key City refers to City from Destination; NULL NOT ALLOWED

Sentiment_Review (Review_ID, City, Traveler_ID, Platform, Date, Score)

- Foreign key City refers to City from Destination; NULL NOT ALLOWED
- Foreign key Traveler_ID refers to Traveler_ID from Traveler; NULL NOT ALLOWED

Crime_Data (CrimeData_ID, City, Frequency, Crime_Type, NoOfCrimesAgainstWomen)

- Foreign key City refers to City from Destination; NULL NOT ALLOWED

Destination (City, Region, Country)

TakesSurvey (Traveler_ID, Survey_ID)

- Foreign key Traveler_ID refers to Traveler_ID from Traveler; NULL NOT ALLOWED
- Foreign key Survey_ID refers to Survey_ID from Survey; NULL NOT ALLOWED

StaysIn (Traveler_ID, Acco_ID)

- Foreign key Traveler_ID refers to Traveler_ID from Traveler; NULL NOT ALLOWED
- Foreign key Acco_ID refers to Acco_ID from Accomodation; NULL NOT ALLOWED

Transport_Offered (City, Transport_ID)

- Foreign key City refers to City from Destination; NULL NOT ALLOWED
- Foreign key Transport_ID refers to Transport_ID from Transportation; NULL NOT ALLOWED