An Analysis on Women's Safety while travelling

Milestone: Logical Model

Group 10

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Percentage of Effort Contributed by Student1: <u>50</u>

Percentage of Effort Contributed by Student2: <u>50</u>

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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

Accomodation (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 Accomodation; NULL NOT ALLOWED

Hotel (*Acco_ID*)

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

Airbnb (*Acco_ID*)

- Foreign key Acco_ID refers to Acco_ID from Accomodation; 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 (<u>Ini_ID</u>, Effective_Date, Desc, Ini_Name, *City*)

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

Law_Regulation (<u>Law_ID</u>, Law_Type, Desc, *Ini_ID*, *City*)

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

Transportation (<u>Transport_ID</u>, <u>*City*</u>, Mode, Response_Time, Rating)

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

Sentiment_Review (<u>Review_ID</u>, *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 (<u>CrimeData_ID</u>, *City*, Frequency, Crime_Type, NoOfCrimesAgainstWomen)

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

Destination (<u>City</u>, 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