# Relational Model for TravelEase

## Traveler

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TravelerID (PK) | FullName | Email | Password | PhoneNumber | Nationality | Age | AccountStatus |

## Preferences

|  |  |
| --- | --- |
| TravelerID (FK References Traveler(TravelerID)) | Preference |

## Trip

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TripID (PK) | Title | Description | Destination | StartDate | EndDate | PricePerPersonInDollars | TripType | Capacity | DurationInDays | Status | OperatorID (FK References TourOperator(OperatorID)) |

## TourOperator

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| OperatorID (PK) | CompanyName | Email | Password | Phone | Rating | ResponseTimeInHrs |

## ServiceProvider

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ProviderID (PK) | Name | Type | Email | Password | OccupancyRate | OnTimePerformance | AverageRating |

## Booking

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| BookingID (PK) | BookingDate | Status | TravelerID (FK References Traveler(TravelerID)) | TripID (FK References Trip(TripID)) | PaymentID  (FK References Payment(PaymentID)) |

## Payment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PaymentID (PK) | AmountInDollars | PaymentDate | PaymentMethod | Status |

## ServiceAssignment

|  |  |  |
| --- | --- | --- |
| TripID (FK ReferencesTrip(TripID)) | ProviderID (FK References ServiceProvider(ProviderID)) | Accepted |

## Review

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ReviewID (PK) | Rating | Comment | Date | TravelerID (FK References Traveler(TravelerID)) | TripID (FK References Trip(TripID)) | ProviderID (FK References ServiceProvider(ProviderID)) |

## Admin

|  |  |  |
| --- | --- | --- |
| AdminID (PK) | Email | Password |