RAP UI Annotations:

```
@AbapCatalog.viewEnhancementCategory: [#NONE]
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'Connection View CDS Data Model'
@Metadata.ignorePropagatedAnnotations: true
@ObjectModel.usageType:{
    serviceQuality: #X,
    sizeCategory: #S,
    dataClass: #MIXED
}

@UI.headerInfo: {
    typeName: 'Connection',
    typeNamePlural: 'Connections'
    }


@Search.searchable: true //It will aid one search field on top of our list.
define view entity ZI_Connection_Saikat
  as select from /dmo/connection as Connection
  association [1..*] to ZI_Flight_Saikat_R  as _Flight  on
$projection.CarrierId    = _Flight.CarrierId
                                                    and
$projection.ConnectionId = _Flight.ConnectionId
  association [1]    to ZI_Carrier_Saikat_R as _Airline on
$projection.CarrierId = _Airline.CarrierId
{
    @UI.facet: [{id: 'Connection',
    purpose: #STANDARD,
    type: #IDENTIFICATION_REFERENCE,
    position: 10,
    label: 'Connection Details'},

    //Facet for the Flight details from ZI_Flight_Saikat_R and as we are
displaying multiple flight lines so #LINEITEM_REFERENCE
    {id: 'Flight',
    purpose: #STANDARD,
    type: #LINEITEM_REFERENCE,
    position: 20,
    label: 'Flights',
    targetElement: '_Flight'}]

    @UI.lineItem: [{ position: 10, label: 'Airline' }]
    @UI.identification: [{position: 10, label: 'Airline'  }]
    @ObjectModel.text.association: '_Airline' //From this Association we will
display the text
    @Search.defaultSearchElement: true // Default search element
  key carrier_id      as CarrierId,

    @UI.lineItem: [{ position: 20 }]
    @UI.identification: [{position: 20  }]
    @Search.defaultSearchElement: true
  key connection_id   as ConnectionId,

    @UI.selectionField: [{position: 10 }]
    @UI.lineItem: [{ position: 30, label: 'Departure Airport ID' }]
    @UI.identification: [{position: 30, label: 'Departure Airport ID'  }]
    @Search.defaultSearchElement: true
    @Consumption.valueHelpDefinition: [{    //Value Help
    entity: {
            name: 'ZI_Airport_Saikat_VH',
            element: 'AirportId' }
    }]
    @EndUserText.label: 'Departure Airport ID'
    airport_from_id as AirportFromId,
```

```abap
      @EndUserText.label: 'Destination Airport ID' //make changes in the ABAP
level
      @UI.selectionField: [{position: 20 }]
      @UI.lineItem: [{ position: 40 }]
      @UI.identification: [{position: 40 }]
      @Search.defaultSearchElement: true
      @Consumption.valueHelpDefinition: [{    //Value Help
      entity: {
            name: 'ZI_Airport_Saikat_VH',
            element: 'AirportId' }
      }]
      airport_to_id   as AirportToId,

      @UI.lineItem: [{ position: 50,label: 'Departure Time' }]
      @UI.identification: [{position: 50  }]
      departure_time  as DepartureTime,

      @UI.lineItem: [{ position: 60,label: 'Arrival Time' }]
      @UI.identification: [{position: 60  }]
      arrival_time    as ArrivalTime,

      @Semantics.quantity.unitOfMeasure: 'DistanceUnit'
      @UI.identification: [{position: 70  }]
      distance        as Distance,
      distance_unit   as DistanceUnit,
      //Association
      @Search.defaultSearchElement: true
      _Flight,
      @Search.defaultSearchElement: true //The Association is also Searchable
      _Airline


}
```

Carrier Details

```abap
@AbapCatalog.viewEnhancementCategory: [#NONE]
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'Carrier Details'
@Metadata.ignorePropagatedAnnotations: true
@ObjectModel.usageType:{
    serviceQuality: #X,
    sizeCategory: #S,
    dataClass: #MIXED
}
@Search.searchable: true
define view entity ZI_Carrier_Saikat_R
  as select from /dmo/carrier
{
  key carrier_id    as CarrierId,

      @Semantics.text: true //The particular field is acting as the text field
for any ID.
      @Search.defaultSearchElement: true
      @Search.fuzzinessThreshold: 0.8 //It will display if some part of search
element matches
      name            as Name,
      currency_code as CurrencyCode
```

Flight Information

```
@AbapCatalog.viewEnhancementCategory: [#NONE]
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'Flight Information'
@Metadata.ignorePropagatedAnnotations: true
@ObjectModel.usageType:{
    serviceQuality: #X,
    sizeCategory: #S,
    dataClass: #MIXED
}
@Search.searchable: true
define view entity ZI_Flight_Saikat_R
  as select from /dmo/flight
  association [1] to ZI_Carrier_Saikat_R as _Airline on $projection.CarrierId =
_Airline.CarrierId
{
    @UI.lineItem: [{ position: 10 }]
    @ObjectModel.text.association: '_Airline'
  key carrier_id      as CarrierId,
    @UI.lineItem: [{ position: 20 }]
  key connection_id   as ConnectionId,
    @UI.lineItem: [{ position: 30 }]
  key flight_date     as FlightDate,
    @UI.lineItem: [{ position: 40 }]
    @Semantics.amount: {currencyCode: 'CurrencyCode'}

    price             as Price,
    @UI.lineItem: [{ position: 50 }]
    currency_code     as CurrencyCode,
    @UI.lineItem: [{ position: 60 }]
    @Search.defaultSearchElement: true
    plane_type_id     as PlaneTypeId,
    @UI.lineItem: [{ position: 70 }]
    seats_max         as SeatsMax,
    @UI.lineItem: [{ position: 80 }]
    seats_occupied    as SeatsOccupied,
    _Airline
}
```

Value Help for Airport

```
@AbapCatalog.viewEnhancementCategory: [#NONE]
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'Value Help for Airport'
@Metadata.ignorePropagatedAnnotations: true
@ObjectModel.usageType:{
    serviceQuality: #X,
    sizeCategory: #S,
    dataClass: #MIXED
}@Search.searchable: true
define view entity ZI_Airport_Saikat_VH
  as select from /dmo/airport
{
    @Search.defaultSearchElement: true
  key airport_id as AirportId,
    @Search.defaultSearchElement: true
    @Search.fuzzinessThreshold: 0.7
    name        as Name,
    @Search.defaultSearchElement: true
    @Search.fuzzinessThreshold: 0.7
    city        as City,
    @Search.defaultSearchElement: true
    @Search.fuzzinessThreshold: 0.7
    country     as Country
}
```