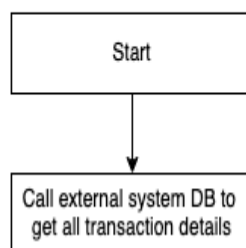# Project

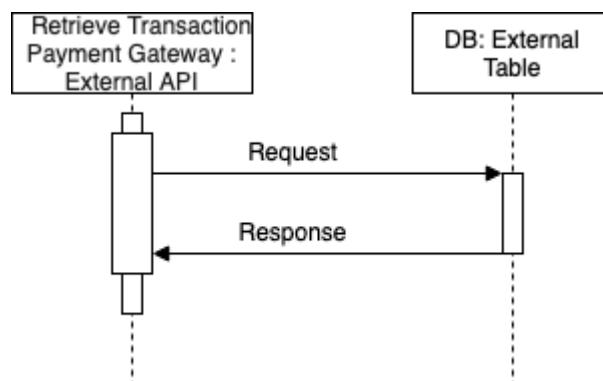**Retrieve Transaction Payment Gateway : External API**

Business Scenario

This API will retrieve a list of transaction details from the Payment Gateway.

API Landscape

Retrieve Transaction Payment Gateway : External API

```
┌─────────────────┐
│      Start      │
└─────────────────┘
          │
          ▼
┌─────────────────────┐
│ Call external system DB to │
│ get all transaction details │
└─────────────────────┘
```

Sequence Diagram Web Application

API Details:

Version	1.0.0
Resource	paymentGateways
Method	GET
Objective	This API will retrieve a list of transaction details from the Payment Gateway.

INPUT

Header

Field Name	Field Rule	Mandatory	Type
x-abc-transactionId	Use for logging and tracking purposes. Example: hdsfhjdh-jxbv859-sjdf7643-3746bbd MinLenght = 36 MaxLength = 36	Y	String

Query Parameters

Field Name	Field Rule	Mandatory	Type
fromDate	"2021-03-31"	N	String
toDate	"2021-04-05"	N	String
transactionReferenceId	"100fhgfhjgj56"	N	String

OUTPUT

200:

Body: MIME-Type= application/json
Output message for Retrieve payment

Field Name	Field Rule	Mandatory	Type
retrieveGatewayPaymentTransaction		Y	Array
transactionReferenceId	"TDGDBw387483"	Y	String
responseCode	"100"	Y	String
Amount	5000	Y	Number
paymentCurrencyCode	"USD"	Y	String
dateTimeOfTransaction	"2021-04-01 12:23:34"	Y	String
paymentMode	"credit"	Y	String
CreditCardNumber	"7465-7646-8734-7634"	N	String
debitCardNumber	"7465-7646-8734-7634"	N	String
upiNumber	"dsjfghsdgfjsdfjsgfwryti"	N	String
NameOfCustomer	"XYZ"	Y	String

Example:

```
{
"retrieveGatewayPaymentTransaction":
[{
        "transactionReferenceId" : "TDGDBw387483",
        "responseCode": "100",
        "amount": 5000,
        "paymentCurrencyCode" : "USD",
        "dateTimeOfTransaction" : "2021-04-01 12:23:34",
        "paymentMode" : "credit"
        "CreditCardNumber" : "7465-7646-8734-7634",
```

```
          "debitCardNumber" : "7465-7646-8734-7634",
          "upiNumber" : "dsjfghsdgfjsdfjsgfwryti",
          "NameOfCustomer" : "XYZ"
     },
     {

          "transactionReferenceId" : "TDGDBw387483",
          "responseCode": "100",
          "amount": 5000,
          "paymentCurrencyCode" : "USD",
          "dateTimeOfTransaction" : "2021-04-01 12:23:34",
          "paymentMode" : "credit"
          "CreditCardNumber" : "7465-7646-8734-7634",
          "debitCardNumber" : "7465-7646-8734-7634",
          "upiNumber" : "dsjfghsdgfjsdfjsgfwryti",
          "NameOfCustomer" : "XYZ"
     }]
     }
```

400:

Body: MIME-Type= application/json
Output message for Retrieve payment

Field Name	Field Rule	Mandatory	Type
errorCode		Y	Number
errorMessage		Y	String

example:

```
{
  "errorCode": 400,
  "errorMessage": "BAD Request"
}
```

401:

Body: MIME-Type= application/json
Output message for Retrieve payment

Field Name	Field Rule	Mandatory	Type
errorCode		Y	Number
errorMessage		Y	String

example:

```
{
  "errorCode": 401,
  "errorMessage": "UnAuthorised"
}
```

404:
Body: MIME-Type= application/json
Output message for Retrieve payment

Field Name	Field Rule	Mandatory	Type
errorCode		Y	Number
errorMessage		Y	String

```
{
  "errorCode": 404,
  "errorMessage": "Not Found"
}
```

500:
Body: MIME-Type= application/json
Output message for Retrieve payment

Field Name	Field Rule	Mandatory	Type
errorCode		Y	Number
errorMessage		Y	String

```
{
  "errorCode": 500,
  "errorMessage": "Critical Error"
}
```