Project

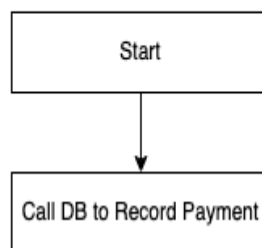**Record Payment: SAPI**

Business Scenario
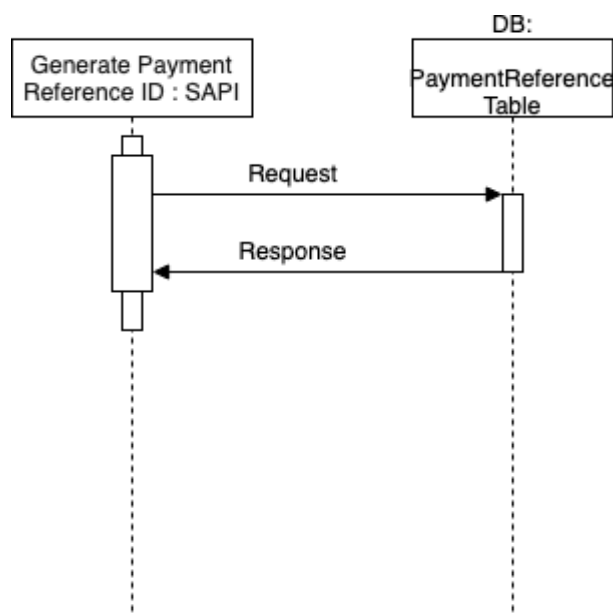
This API will record Payment Details in the Payment Table.

API Landscape

Record Payment Sapi

```
┌─────────────────────────┐
│          Start          │
└─────────────────────────┘
             │
             ▼
┌─────────────────────────┐
│ Call DB to Record Payment│
└─────────────────────────┘
```

Sequence Diagram Web Application

```
┌─────────────────────┐        DB:
│ Generate Payment    │   ┌──────────────────┐
│ Reference ID : SAPI │   │ PaymentReference │
└─────────────────────┘   │      Table       │
         │                └──────────────────┘
         │      Request           │
         │──────────────────────▶ │
         │                        │
         │      Response          │
         │◀──────────────────────│
         │                        │
```

API Details:

Version	1.0.0
Resource	payments
Method	POST
Objective	This API will record Payment Details in Payment Database.

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

Body
MIME-Type = application/json

Field Name	Field Rule	Mandatory	Type
recordPaymentTransaction		Y	Object
transactionReferenceId	"TDGDBw387483"	Y	String
responseCode	"100"	Y	String
amount	5000	Y	Number

Field Name	Field Rule	Mandatory	Type
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
paymentReferenceId	"jdhsfjhd87645"	Y	String

Example :
```
{
    "recordPaymentTransaction":
    {
        "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",
        "PaymentReferenceId": "jdhsfjhd87645"
    }
}
```

OUTPUT

200

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

Field Name	Field Rule	Mandatory	Type

responseCode		Y	Number
responseMessage		Y	String

example:

```
{
  "responseCode": 200,
  "responseMessage": "Payment Recorded Successfully"
}
```

400:
Body: MIME-Type= application/json
Output message for RecordPayment

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 RecordPayment

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 RecordPayment

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 RecordPayment

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

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