Endpoint Documentation

Endpoint: Process Payment

- **URL**: http://localhost:8000/api/payment/process/{provider}
- **HTTP Method**: POST
- **Route Name**: payment_process

Path Parameters

Parameter	Type	Description	Required	Constraints
provider	string	The payment provider to use for processing.	Yes	Must be either aci or shift4

Request Body

The request should be a JSON object with the following fields:

Field	Type	Description	Required	Validation
amount	string	The payment amount to process.	Yes	Must be a valid number as a string
currency	string	The currency for the payment.	Yes	ISO 4217 currency code (e.g., USD)
card_number	string	Credit card number.	Yes	Numeric, must be 16 digits
card_exp_year	string	Card expiration year.	Yes	Last two digits (e.g., 25 for 2025) for Shift4; All 4 digits for ACI (e.g. 2025)
card_exp_month	string	Card expiration month.	Yes	Numeric, 01 to 12
card_cvv	string	Card CVV security code.	Yes	Numeric, usually 3 or 4 digits

Example Request Body
```
{
  "amount": "10.00",
  "currency": "USD",
  "card_number": "4242424242424242",
  "card_exp_year": "25",
  "card_exp_month": "12",
  "card_cvv": "123"
}
```

Use these for Shift4:
Card_number = "4242424242424242"
Use these for ACI:
Card_number=" 4200000000000000"

Response

The response will be a JSON object with different fields depending on the success or failure of the request.

Success Response

- **Status Code**: 200 OK
- **Response Body**:

Field	Type	Description
transactionId	string	Unique ID for the transaction
date_of_creating	string	Timestamp when the transaction was created
amount	integer	Amount processed, in smallest currency unit
currency	string	Currency code
card_bin	string	First six digits of the card number

Example Success Response

```
{
  "transactionId": "8ac7a4a092fe5abb0192fe7c33ef2426",
  "date_of_creating": {
    "date": "2024-11-05 22:39:59.218451",
    "timezone_type": 3,
    "timezone": "UTC"
  },
  "amount": 10,
  "currency": "EUR",
  "card_bin": "4200"
}
```

Error Response

If validation fails, the response includes detailed errors.

- **Status Code**: 400 Bad Request
- **Response Body**:

Field	Type	Description
errors	object	A list of validation errors keyed by field

Example Error Response

```
{
 "errors": {
   "provider": ["This value should not be blank."],
   "card_number": ["This value is invalid."]
 }
}
```

Example Error Response from the Provider

```
{
   "status": "error",
   "message": "Failed to process payment: HTTP/2 401  returned for \"https://eu-test.oppwa.com/v1/payments\".",
   "code": 0,
   "provider": "aci"
}
```

HTTP Status codes:

200 OK - Successful request

400 Bad Request - Request has invalid data or is missing a required field

401 Unauthorized - Provided API key is missing or invalid

402 Payment failed - Request was valid but card processing has failed

404 Not Found - Requested object was not found

429 Too Many Requests - Requests hit the API too quickly

500, 502, 503, 504 Server error - Something went wrong on our side