

BlowLtd Payments API Design

Endpoints

The API will offer the following services:

- **List all payment:**
 - **Endpoint:** /payments
 - **Method:** GET
 - **Response:** Payment's array
- **Fetch a specific payment**
 - **Endpoint:** /payments/{id}
 - **Method:** GET
 - **Response:** Payment object
- **Create a payment:**
 - **Endpoint:** /payments
 - **Method:** POST
 - **Request:** Payment object
 - **Response:** created Payment object
- **Update a payment:**
 - **Endpoint:** /payments/{id}
 - **Method:** PUT
 - **Request:** Payment object
 - **Response:** updated Payment object
- **Delete a payment:**
 - **Endpoint:** /payments/{id}
 - **Method:** GET
 - **Response:** null

Entity

Example of a Payment entity object

```
{
  "type": "Payment",
  "id": "4ee3a8d8-ca7b-4290-a52c-dd5b6165ec43",
  "version": 0,
  "organisation_id": "743d5b63-8e6f-432e-a8fa-c5d8d2ee5fcb",
  "attributes": {
    "amount": "100.21",
    "beneficiary_party": {
      "account_name": "W Owens",
      "account_number": "31926819",
      "account_number_code": "BBAN",
      "account_type": 0,
      "address": "1 The Beneficiary Localtown SE2",
      "bank_id": "403000",
      "bank_id_code": "GBDSC",
      "name": "Wilfred Jeremiah Owens"
    },
    "charges_information": {
      "bearer_code": "SHAR",

```

```

    "sender_charges": [
      {
        "amount": "5.00",
        "currency": "GBP"
      },
      {
        "amount": "10.00",
        "currency": "USD"
      }
    ],
    "receiver_charges_amount": "1.00",
    "receiver_charges_currency": "USD"
  },
  "currency": "GBP",
  "debtor_party": {
    "account_name": "EJ Brown Black",
    "account_number": "GB29XABC10161234567801",
    "account_number_code": "IBAN",
    "address": "10 Debtor Crescent Sourcetown NE1",
    "bank_id": "203301",
    "bank_id_code": "GBDSC",
    "name": "Emelia Jane Brown"
  },
  "end_to_end_reference": "Wil piano Jan",
  "fx": {
    "contract_reference": "FX123",
    "exchange_rate": "2.00000",
    "original_amount": "200.42",
    "original_currency": "USD"
  },
  "numeric_reference": "1002001",
  "payment_id": "123456789012345678",
  "payment_purpose": "Paying for goods/services",
  "payment_scheme": "FPS",
  "payment_type": "Credit",
  "processing_date": "2017-01-18",
  "reference": "Payment for Em's piano lessons",
  "scheme_payment_sub_type": "InternetBanking",
  "scheme_payment_type": "ImmediatePayment",
  "sponsor_party": {
    "account_number": "56781234",
    "bank_id": "123123",
    "bank_id_code": "GBDSC"
  }
}

```

Proposed Architecture

