Form3 Payment REST API

Class diagram

Operation - Get root links

GET /
produces: application/json
responses:
    200: On success
    body: {
     links: [
        {
         rel:'getPayments',
         href: <host>/payments
        },
        {
         rel:'createPayment'
         href: <host>/payments/{paymentId}
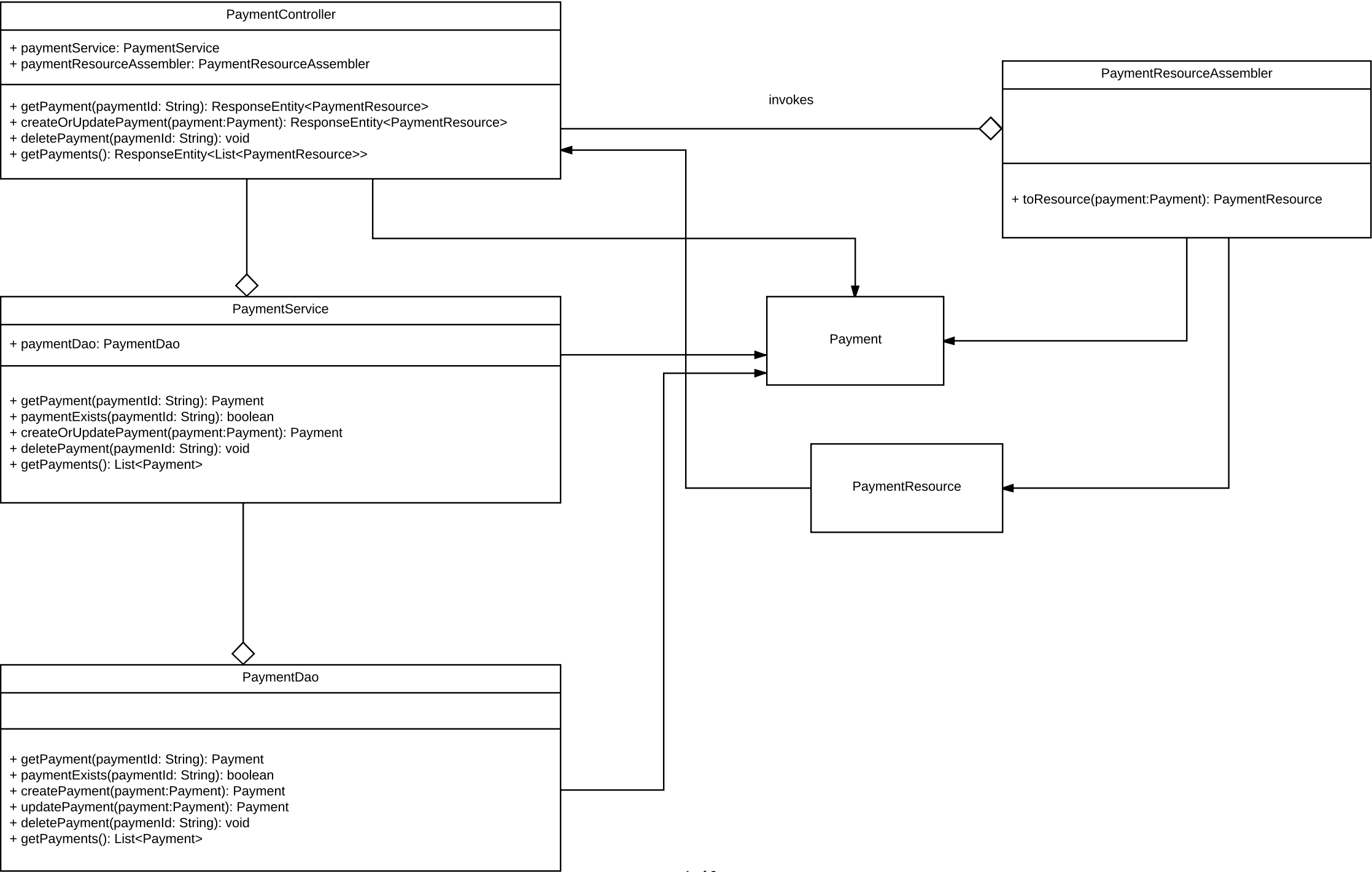   }
     ]

    }

Operation - Create or update payment

PUT /payments/{paymentId}
consumes:application/json
produces: application/json
request:
  body: Payment
responses:
    201: On create
    200: On update
    body: {
     data: Payment
     links: [
        {
         rel:'self',
         href: <host>/payments/{paymentId}
        },
        {
         rel:'update'
         href: <host>/payments/{paymentId}
        },

        {
         rel:'delete'
         href: <host>/payments/{paymentId}
        },
     ]

    }

Operation - Get payment

GET /payments/{paymentId}
produces: application/json
responses:
    404: When payment does not exist
    200: On success
    body: {
     data: Payment
     links: [

PaymentController

+ paymentService: PaymentService
+ paymentResourceAssembler: PaymentResourceAssembler

+ getPayment(paymentId: String): ResponseEntity<PaymentResource>
+ createOrUpdatePayment(payment:Payment): ResponseEntity<PaymentResource>
+ deletePayment(paymentId: String): void
+ getPayments(): ResponseEntity<List<PaymentResource>>

PaymentResourceAssembler

+ toResource(payment:Payment): PaymentResource

invokes

PaymentService

+ paymentDao: PaymentDao

+ getPayment(paymentId: String): Payment
+ paymentExists(paymentId: String): boolean
+ createOrUpdatePayment(payment:Payment): Payment
+ deletePayment(paymenId: String): void
+ getPayments(): List<Payment>

Payment

PaymentResource

PaymentDao

+ getPayment(paymentId: String): Payment
+ paymentExists(paymentId: String): boolean
+ createPayment(payment:Payment): Payment
+ updatePayment(payment:Payment): Payment
+ deletePayment(paymenId: String): void
+ getPayments(): List<Payment>

p1 of 2

```
body: {
    data: Payment
    links: [
            {
                rel:'self',
                href: <host>/payments/{paymentId}
            },
            {
                rel:'update'
                href: <host>/payments/{paymentId}
            },

            {
                rel:'delete'
                href: <host>/payments/{paymentId}
            },
        ]

    }
```

Operation - Delete a payment

DELETE /payments/{paymentId}
produces: application/json
responses:
    204: deleted

Operation - Get list of payments

GET /payments
produces: application/json
responses:
    200: On success

```
    body: [
        {
            data: Payment
            links: [
                    {
                        rel:'self',
                        href: <host>/payments
                ]
            }
        ]
```