o Fetch payment resources (List a collection of payment resources)

Method **“GET”** path /payments?page={page number}&limit={records per page}&sort={asc,desc}

Request

Headers : content-type=”application/json”, Accept-encoding=GZIP, etag=<etag> (Authorization outside of scope)

Parameters : page=<Page Number>,limit=<limit number of records per page>, sort=<desc,asc> (Not to be implemented in Demo)

Note : Use pagination, sorting,filtering and etag to navigate big lists (Not implemented in demo)

Response

Code : 200 (OK), single/multiple payments. 404 (Not Found), if ID not found or invalid,304 (not modified).

standard HTTP responses apply.

Headers : etag=<etag>

Body : List Payment Entities (domain model) [{Payment Entity},{Payment Entity}]

o Fetch a payment resource

Method **“GET”** path /payments/{resourceid}

Request

Headers : content-type=”application/json”, Accept-encoding=GZIP (Authorization outside of scope)

Resourceid : unique id of the payment resource requested

Response

Code : 200 (OK) single payment, 404 (Not Found), if ID not found or invalid.

standard HTTP responses apply.

Body : Payment Entity Model (domain model)

o Create a payment resource

Method **“POST”** path /payments

Request

Headers : content-type=”application/json”, Accept-encoding=GZIP (Authorization outside of scope)

Body : Payment Entity Model (domain model)

Response

Code : 201 (Created), 404 (Not Found), 409 (Conflict) if resource already exists..

standard HTTP responses apply.

Header : “Location” = “/payments/{resourceid}” : Reference to the created entities new ID.

Body : empty

o Update a payment resource

Method **“PATCH”** path /payments/{resourceid}

Request

Headers : content-type=”application/json”, Accept-encoding=GZIP (Authorization outside of scope)

resourceid : unique id of the payment resource to update

Body : Payment Entity Model (domain model)

Response

Code : 200 (OK) or 204 (No Content). 404 (Not Found), if ID not found or invalid.

standard HTTP responses apply.

Header : no headers

Body : empty

o Delete a payment resource

Method **“DELETE”** path /payments/{resourceid}

Request

Headers : content-type=”application/json”, Accept-encoding=GZIP (Authorization outside of scope)

resourceid : unique id of the payment resource to update

Body : empty

Response

Code : 200 (OK). 404 (Not Found), if ID not found or invalid.

standard HTTP responses apply.

Header : no headers

Body : empty

Repository

Assumptions :

1.) Payments will be created/updated as full JSON objects.

Notes :

1.) No support for paging, eTags, sorting, filtering will be implemented in demo even though defined.

2.) Based on a very simple implementation of “Clean Architecture”

3.) TDD principles to be used in implementation using JUnit.