

# Payments API Design document

## Design requirements

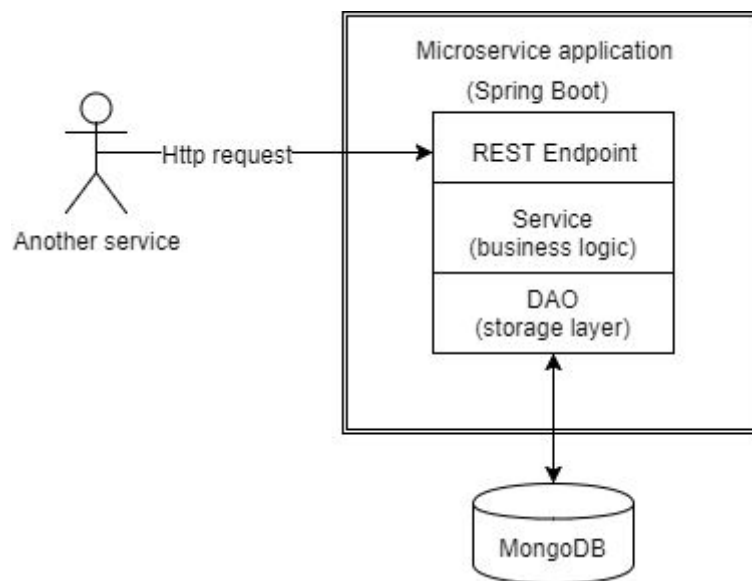
Design requirements are:

1. API should be RESTFUL
2. API should be able to:
  - a. Fetch a payment resource
  - b. Create update and delete a payment resource
  - c. List a collection of payment resources

## Example use case

A JavaScript client should be able to call the API and list a collection of my payments.

## Application architecture



# REST API specification

Method	URL	Description	Parameters	Response/Result
GET	/api/payments	List all payments resources	<u>Request parameters:</u> <b>page</b> - number of page(not required)  <b>size</b> - size of a page(not required)	List of <b>PaymentDTO</b> as JSON
GET	/api/payments/by-organisation/ <b>{organisationId}</b>	List payments resources for organisation	<u>Request path:</u> <b>organisationId</b> - id of organisation  <u>Request parameters:</u> <b>page</b> - number of page(not required)  <b>size</b> - size of a page(not required)	List of <b>PaymentDTO</b> as JSON
GET	/api/payments/{ <b>paymentId</b> }	Find payment resource by id	<u>Request path:</u> <b>paymentId</b> - id of payment resource	<b>PaymentDTO</b> as JSON
POST	/api/payments	Create new payment resource	<u>Request body:</u> <b>EditPaymentDTO</b> as JSON	Created <b>PaymentDTO</b> as JSON
PUT	/api/payments/{ <b>paymentId</b> }	Update existing resource by id	<u>Request path:</u> <b>paymentId</b> - id of payment resource  <u>Request body:</u> <b>EditPaymentDTO</b> as JSON	Updated <b>PaymentDTO</b> as JSON
DELETE	/api/payments/{ <b>paymentId</b> }	Delete resource by id	<u>Request path:</u> <b>paymentId</b> - id of payment resource	Delete Payment resource. Response with code 200 means success.

PaymentDTO	EditPaymentDTO
<pre>{   "attributes": {     "amount": 0.0,     "beneficiaryParty": {       "accountName": "string",       "accountNumber": "string",       "address": "string",       "bankId": "string",       "bankIdCode": "string",       "name": "string"     },     "currency": "string",     "paymentId": "string",     "paymentPurpose": "string",     "paymentType": "string",     "processingDate": [       2017,       10,       21     ],     "id": "string",     "organizationId": "string",     "version": 0   } }</pre>	<pre>{   "attributes": {     "amount": 0.0,     "beneficiaryParty": {       "accountName": "string",       "accountNumber": "string",       "address": "string",       "bankId": "string",       "bankIdCode": "string",       "name": "string"     },     "currency": "string",     "paymentId": "string",     "paymentPurpose": "string",     "paymentType": "string",     "processingDate": "string",     "organisationId": "string"   } }</pre>