# ProjectSite

1. **Create a new project site**

request URL: http://localhost:3000/api/ProjectSite

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.ProjectSite’,

‘id’: ‘(string)’,

‘address’: ‘(string)’,

‘name’: ‘(string)’,

‘powerTech’: ‘(string)’,

‘contactName’: ‘(string)’,

‘contactTel’: ‘(string)

}

1. **Get all project site**

request URL: http://localhost:3000/api/ProjectSite

method: GET

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.ProjectSite’,

‘id’: ‘(string)’,

‘address’: ‘(string)’,

‘name’: ‘(string)’,

‘powerTech’: ‘(string)’,

‘contactName’: ‘(string)’,

‘contactTel’: ‘(string)

}]

1. **Get a project site by id**

request URL: http://localhost:3000/api/ProjectSite/{id}

method: GET

response content type: application/json

response body: {

‘$class’: ‘org.hyperledger\_composer.scms.ProjectSite’,

‘id’: {id},

‘address’: ‘(string)’,

‘name’: ‘(string)’,

‘powerTech’: ‘(string)’,

‘contactName’: ‘(string)’,

‘contactTel’: ‘(string)

}

# SparePart

1. **Create a new spare part**

request URL: http://localhost:3000/api/SparePart

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.SparePart,

‘id’: ‘(string)’,

‘displayName’: ‘(string)’,

‘currentLocation’: ‘(string)’,

‘category’: ‘(string)’,

‘OEM’: ‘(string)’,

‘modelNo’: ‘(string)’,

‘certOfOrigin’: ‘(string)’,

‘countryOfOrigin’: ‘(string)’,

‘firstUseDate’: ‘(DateTime)’,

‘condition’: ‘(string),

‘accumulateEOH’: ‘(string)

}

1. **Get all spare part**

request URL: http://localhost:3000/api/SparePart

method: GET

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.SparePart,

‘id’: ‘(string)’,

‘displayName’: ‘(string)’,

‘currentLocation’: ‘(string)’,

‘category’: ‘(string)’,

‘OEM’: ‘(string)’,

‘modelNo’: ‘(string)’,

‘certOfOrigin’: ‘(string)’,

‘countryOfOrigin’: ‘(string)’,

‘firstUseDate’: ‘(DateTime)’,

‘condition’: ‘(string),

‘accumulateEOH’: ‘(string)

}]

1. **Get a spare part by id**

request URL: http://localhost:3000/api/SparePart/{id}

method: GET

response content type: application/json

response body: {

‘$class’: ‘org.hyperledger\_composer.scms.SparePart,

‘id’: {id},

‘displayName’: ‘(string)’,

‘currentLocation’: ‘(string)’,

‘category’: ‘(string)’,

‘OEM’: ‘(string)’,

‘modelNo’: ‘(string)’,

‘certOfOrigin’: ‘(string)’,

‘countryOfOrigin’: ‘(string)’,

‘firstUseDate’: ‘(DateTime)’,

‘condition’: ‘(string),

‘accumulateEOH’: ‘(string)

}

# 

# SparePartToProjectSite

1. **Create a new spare part to project site**

request URL: http://localhost:3000/api/SparePartToProjectSite

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.SparePartToProjectSite,

‘id’: ‘(string)’,

‘sparePartId’: ‘(string)’,

‘noOfAvailable’: (Integer),

‘ownerProjectSite’: ‘org.hyperledger\_composer.scms.ProjectSite#{id}’

}

1. **Get all spare part to project site**

request URL: http://localhost:3000/api/SparePartToProjectSite

method: GET

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.SparePartToProjectSite,

‘id’: ‘(string)’,

‘sparePartId’: ‘(string)’,

‘noOfAvailable’: (Integer),

‘ownerProjectSite’: ‘org.hyperledger\_composer.scms.ProjectSite#{id}’

}]

1. **Get a spare part to project site by id**

request URL: http://localhost:3000/api/SparePartToProjectSite/{id}

method: GET

response content type: application/json

response body: {

‘$class’: ‘org.hyperledger\_composer.scms.SparePartToProjectSite,

‘id’: {id},

‘sparePartId’: ‘(string)’,

‘noOfAvailable’: (Integer),

‘ownerProjectSite’: 'resource:org.hyperledger\_composer.scms.ProjectSite#{id}’

}

# Contract

1. **Create a new contract**

request URL: http://localhost:3000/api/Contract

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.Contract,

‘id’: ‘(string)’,

‘sparePartId’: (string),

‘noOfSparePart’: (Integer),

‘requestorStatus’: ‘(string)’,

‘respondorStatus’: ‘(string)’,

‘amiToken’: ‘(string)’,

‘paymentToRespondor’: ‘(string)’,

‘requestorProjectSite’: ‘org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘respondorPorjectSite’: ‘org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘isTerminated’: ‘(string)’

}

1. **Get all contract**

request URL: http://localhost:3000/api/Contract

method: GET

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.Contract,

‘id’: ‘(string)’,

‘sparePartId’: (string),

‘noOfSparePart’: (Integer),

‘requestorStatus’: ‘(string)’,

‘respondorStatus’: ‘(string)’,

‘amiToken’: ‘(string)’,

‘paymentToRespondor’: ‘(string)’,

‘requestorProjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘respondorPorjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘isTerminated’: ‘(string)’

}]

1. **Get a contract by id**

request URL: http://localhost:3000/api/Contract/{id}

method: GET

response content type: application/json

response body: {

‘$class’: ‘org.hyperledger\_composer.scms.Contract,

‘id’: {id},

‘sparePartId’: (string),

‘noOfSparePart’: (Integer),

‘requestorStatus’: ‘(string)’,

‘respondorStatus’: ‘(string)’,

‘amiToken’: ‘(string)’,

‘paymentToRespondor’: ‘(string)’,

‘requestorProjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘respondorPorjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘isTerminated’: ‘(string)’

}

# Transaction

1. **Update available number of spare part to project site   
   (noOfAvailable is the change of the number of spare part)**

request URL: http://localhost:3000/api/UpdateAvailNoOfSparePartToProjSite

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.UpdateAvailNoOfSparePartToProjSite,  
‘noOfAvailable’:(Integer) ,  
‘sparePartId’: (string),  
‘projectSite’: ‘org.hyperledger\_composer.scms.ProjectSite#{id}’

}

1. **Update requestor contact status**

request URL: http://localhost:3000/api/UpdateReqContract

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.UpdateReqContract,

‘newStatus’: ’(string)’ ,

‘contract’: ‘org.hyperledger\_composer.scms.Contract#{id}’

}

1. **Update respondor contact status**

request URL: http://localhost:3000/api/UpdateRespContract

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.UpdateRespContract,

‘newStatus’: ’(string)’ ,

‘contract’: ‘org.hyperledger\_composer.scms.Contract#{id}’

}

1. **Update contact isTerminated to Y**

request URL: http://localhost:3000/api/terminatedContract

method: POST

parameter content type: application/json

body: {

‘$class’: ‘org.hyperledger\_composer.scms.UpdateRespContract,

‘contract’: ‘org.hyperledger\_composer.scms.Contract#{id}’

}

# Query

1. **Get contract by project site**

request URL: http://localhost:3000/api/queries/getContractByProjSite

method: GET

parameter: projSite=resource:org.hyperledger\_composer.scms.ProjectSite#{id}

may need to convert as projSite=resource%3Aorg.hyperledger\_composer.scms.ProjectSite%23{id}

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.Contract,

‘id’: ‘(string)’,

‘sparePartId’: (string),

‘noOfSparePart’: (Integer),

‘requestorStatus’: ‘(string)’,

‘respondorStatus’: ‘(string)’,

‘amiToken’: ‘(string)’,

‘paymentToRespondor’: ‘(string)’,

‘requestorProjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘respondorPorjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’

}]

1. **Get requestor contract by requestor project site and status**

request URL: http://localhost:3000/api/queries/getReqContractByProjSiteAndStatus

method: GET

parameter:

projSite=resource:org.hyperledger\_composer.scms.ProjectSite#{id}

requestorStatus=(string)

may need to convert as projSite=resource%3Aorg.hyperledger\_composer.scms.ProjectSite%23{id}

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.Contract,

‘id’: ‘(string)’,

‘sparePartId’: (string),

‘noOfSparePart’: (Integer),

‘requestorStatus’: ‘(string)’,

‘respondorStatus’: ‘(string)’,

‘amiToken’: ‘(string)’,

‘paymentToRespondor’: ‘(string)’,

‘requestorProjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘respondorPorjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’

}]

1. **Get respondor contract by respondor project site and status**

request URL: http://localhost:3000/api/queries/getRespContractByProjSiteAndStatus

method: GET

parameter:

projSite=resource:org.hyperledger\_composer.scms.ProjectSite#{id}

respondorStatus=(string)

may need to convert as projSite=resource%3Aorg.hyperledger\_composer.scms.ProjectSite%23{id}

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.Contract,

‘id’: ‘(string)’,

‘sparePartId’: (string),

‘noOfSparePart’: (Integer),

‘requestorStatus’: ‘(string)’,

‘respondorStatus’: ‘(string)’,

‘amiToken’: ‘(string)’,

‘paymentToRespondor’: ‘(string)’,

‘requestorProjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’,

‘respondorPorjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’

}]

1. **Get spare part to project site by spare part id**

request URL: http://localhost:3000/api/queries/getSparePartToProjectSiteBySparePartId

method: GET

parameter: sparePartId=(string)

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.SparePartToProjectSite,

‘id’: ‘(string)’,

‘sparePartId’: (string),

‘noOfAvailable’: (Integer),

‘ownerPorjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’

}]

1. **Get spare part to project site by project site and spare part id**

request URL: http://localhost:3000/api/queries/getSparePartToProjSiteByProjSiteAndSpartPart

method: GET

parameter:

sparePartId=(string)   
ownerProjectSite=resource:org.hyperledger\_composer.scms.ProjectSite#{id}

response content type: application/json

response body: [{

‘$class’: ‘org.hyperledger\_composer.scms.SparePartToProjectSite,

‘id’: ‘(string)’,

‘sparePartId’: (string),

‘noOfAvailable’: (Integer),

‘ownerPorjectSite’: ‘resource:org.hyperledger\_composer.scms.ProjectSite#{id}’

}]