**Demo dataset (followed by POST command to easily recreate this)**

|  |  |  |
| --- | --- | --- |
| shoppers | **shopperId**: shopper051  **firstName**: Nguyen |  |
| **shopperId**: shopper052  **lastName**: Dino  **birthMonth**: 11 |  |
| **shopperId**: shopper053  **birthMonth**: 11 |  |
| **shopperId**: shopper054  **birthYear**: 1992 |  |
| contents | **contentId**: content051  **frequencyNumber**: 2  **frequencyUnit**: day  **limit**: 2 |  |
| **contentId**: content052  **frequencyNumber**: 4  **frequencyUnit**: day  **limit**: 4 |  |
| **contentId**: content053  **frequencyNumber**: 2  **frequencyUnit**: day  **limit:** 2 |  |
| triggers | **triggerId:** trigger051  **friendlyName**: trigger051 |  |
| competition\_pools | **competitionPoolompId:** comp051  **frequencyNumber**: 2  **frequencyUnit**: day  **limit:** 2  **overwriteFlag:**  False |  |
| **competitionPoolompId:** comp052  **frequencyNumber**: 1  **frequencyUnit**: day  **limit:** 2  **overwriteFlag:** False |  |
| **competitionPoolId:** comp053  **frequencyNumber**: 1  **frequencyUnit**: day  **limit:** 1  **overwriteFlag:** False |  |
| queries | **queryId**: query051  **indexName:** shoppers  **queryBody**: {"condition":"OR","rules":[{"id":"firstName","field":"firstName","type":"string","input":"text","operator":"equal","value":"Nguyen"},{"id":"birthMonth","field":"birthMonth","type":"integer","input":"number","operator":"equal","value":11}]} | shopper051, shopper052, shopper053 |
| **queryId**: query052  **indexName:** shoppers  **queryBody**: {"condition":"OR","rules":[{"id":"birthYear","field":"birthYear","type":"integer","input":"number","operator":"equal","value":1992},{"id":"birthMonth","field":"birthMonth","type":"integer","input":"number","operator":"equal","value":"11"}]} | shopper052, shopper053, shopper054 |
| **queryId**: query053  **queryName**: Question 1  **indexName:** questions  **queryBody**: {"condition":"AND","rules":[{"id":"lastName","field":"lastName","type":"string","input":"text","operator":"equal","value":"Dino"},{"id":"birthMonth","field":"birthMonth","type":"integer","input":"number","operator":"equal","value":"11"}]} | shopper052 |
| **queryId**: query054  **indexName:** shoppers  **queryBody**: {"condition":"AND","rules":[{"id":"birthYear","field":"birthYear","type":"integer","input":"number","operator":"equal","value":1992},{"id":"birthMonth","field":"birthMonth","type":"integer","input":"number","operator":"equal","value":"11"}]} | None |
| segmentations | **segmentationId:** segmentation051  **queryId:** ["query051", “query052”] | shopper052, shopper053 |
| **segmentationId:** segmentation052  **queryId:** ["query051", “query052”, “query053”] | shopper052 |
| **segmentationId:** segmentation053  **queryId:** ["query051"] | shopper051, shopper052, shopper053 |
| **segmentationId:** segmentation054  **queryId:** ["query051", “query054”] | None |
| personalizations | **personalizationId**: personalization051  **scoredQuerieIds**:  [  {  "queryIds" : "query053"  "point" : 100  },  {  "queryIds" : "query051"  "point" : 50  }  ] | shopper052:  150  shopper051:  50  shopper054:  0 |
| **personalizationId**: personalization052  **scoredQuerieIds**:  [  {  "queryIds" : "query051"  "point" : 100  },  {  "queryIds" : "query053"  "point" : 150  "required": True  }  ] | shopper052: 250  shopper051: 0 |
| **personalizationId**: personalization053  **scoredQuerieIds**:  [  {  "queryIds" : "query053"  "point" : 100  },  {  "queryIds" : "query051"  "point" : 50  "required": False  }  ] | shopper052: 150 |
| assignments | **assignmentId:** assignment051  **contentId**: content051  **triggerId:** trigger051  **competitionPoolId:** comp051  **segmentationId**: segmentation052  **validFrom**: 2019-06-11T01:00:00Z  **validTo**: 2019-06-13T01:00:00Z  **expireAfter:** 1 |  |
| **assignmentId:** assignment052  **contentId**: content051  **triggerId:** trigger051  **competitionPoolId:** comp051  **segmentationId**: segmentation053  **validFrom**: 2019-06-11T01:00:00Z  **validTo**: 2019-08-01T01:00:00Z  **expireAfter:** 1 |  |
| **assignmentId**: assignment053  **triggerId**: trigger051  **competitionPoolId**: comp052  **segmentationId**: segmentation052  **contentId**: content053  **validFrom**: 2019-06-11T01:00:00Z  **validTo**: 2019-08-01T01:00:00Z  **expireAfter**: 1 |  |
| **assignmentId**: assignment054  **triggerId**: trigger051  **competitionPoolId**: comp053  **segmentationId**: segmentation051  **contentId**: content053  **validFrom**: 2019-06-11T01:00:00Z  **validTo**: 2019-08-01T01:00:00Z  **expireAfter**: 1 |  |
| **assignmentId**: assignment055  **triggerId**: trigger051  **competitionPoolId**: comp052  **segmentationId**: segmentation053  **contentId**: content052  **validFrom**: 2019-06-11T01:00:00Z  **validTo**: 2019-08-01T01:00:00Z  **expireAfter**: 1 |  |
| **assignmentId**: assignment056  **triggerId**: trigger051  **competitionPoolId**: comp053  **personalizationId**: personalization051  **contentId**: content052  **validFrom**: 2019-06-11T01:00:00Z  **validTo**: 2019-08-01T01:00:00Z  **expireAfter**: 1 |  |
| **assignmentId**: assignment057  **triggerId**: trigger051  **competitionPoolId**: comp053  **personalizationId**: personalization052  **contentId**: content052  **validFrom**: 2019-06-11T01:00:00Z  **validTo**: 2019-08-01T01:00:00Z  **expireAfter**: 1 |  |
| assigned\_contents | **shopperId:** shopper052  **contentId:** content053  **segmentationId:** segmentation052  **competitionPoolId:** comp052  **createTime:** 2019-06-01T04:03:52Z  **validTo:** 2019-06-02T04:03:52Z |  |

**POST /shoppers/shopper/\_bulk**

{ "index": { "\_id": "shopper051" }}

{ "shopperId": "shopper051", "firstName" : "Nguyen"}

{ "index": { "\_id": "shopper052" }}

{ "shopperId": "shopper052", "birthMonth" : 11, "lastName": "Dino"}

{ "index": { "\_id": "shopper053" }}

{ "shopperId": "shopper053", "birthMonth" : 11}

{ "index": { "\_id": "shopper054" }}

{ "shopperId": "shopper054", "birthYear" : 1992}

**POST /contents/content/\_bulk**

{ "index": { "\_id": "content051" }}

{ "contentId": "content051", "frequencyNumber" : 2, "frequencyUnit" : "day", "limit" : 2}

{ "index": { "\_id": "content052" }}

{ "contentId": "content052", "frequencyNumber" : 4, "frequencyUnit" : "day", "limit" : 4}

{ "index": { "\_id": "content053" }}

{ "contentId": "content053", "frequencyNumber" : 2, "frequencyUnit" : "day", "limit" : 2}

**POST /triggers/trigger/trigger501**

{

"triggerName": "trigger501"

}

**POST /competition\_pools/competition\_pool/comp051**

{

"competitionPoolId": "comp051",

"frequencyNumber": 2,

"frequencyUnit": "day",

"limit": 2,

"overwriteFlag": "false"

}

**POST /competition\_pools/competition\_pool/comp052**

{

"competitionPoolId": "comp052",

"frequencyNumber": 1,

"frequencyUnit": "day",

"limit": 1,

"overwriteFlag": "false"

}

**POST /competition\_pools/competition\_pool/comp053**

{

"competitionPoolId": "comp053",

"frequencyNumber": 4,

"frequencyUnit": "day",

"limit": 4,

"overwriteFlag": "false"

}

**POST /queries/query/query051**

{

"queryId": "query051",

"indexName": "shoppers",

"queryBody": {

"condition":"OR",

"rules":[

{

"id":"firstName",

"field":"firstName",

"type":"string",

"input":"text",

"operator":"equal",

"value":"Nguyen"

},

{

"id":"birthMonth",

"field":"birthMonth",

"type":"integer",

"input":"number",

"operator":"equal",

"value":"11"

}

]

}

}

**POST /queries/query/query052**

{

"queryId": "query052",

"indexName": "shoppers",

"queryBody": {"condition":"OR","rules":[{"id":"birthYear","field":"birthYear","type":"integer","input":"number","operator":"equal","value":1992},{"id":"birthMonth","field":"birthMonth","type":"integer","input":"number","operator":"equal","value":"11"}]}

}

**POST /queries/query/query053**

{

"queryId": "query053",

"indexName": "shoppers",

"queryBody": {"condition":"AND","rules":[{"id":"lastName","field":"lastName","type":"string","input":"text","operator":"equal","value":"Dino"},{"id":"birthMonth","field":"birthMonth","type":"integer","input":"number","operator":"equal","value":"11"}]}

}

**POST /queries/query/query054**

{

"queryId": "query051",

"indexName": "shoppers",

"queryBody": {"condition":"AND","rules":[{"id":"birthYear","field":"birthYear","type":"integer","input":"number","operator":"equal","value":1992},{"id":"birthMonth","field":"birthMonth","type":"integer","input":"number","operator":"equal","value":"11"}]}

}

**POST /segmentations/segmentation/segmentation051**

{

"segmentationId": "segmentation051",

"queryIds": ["query051","query052"]

}

**POST /segmentations/segmentation/segmentation052**

{

"segmentationId": "segmentation052",

"queryIds": ["query051", "query052", "query053"]

}

**POST /segmentations/segmentation/segmentation053**

{

"segmentationId": "segmentation053",

"queryIds": ["query051"]

}

**POST /segmentations/segmentation/segmentation054**

{

"segmentationId": "segmentation054",

"queryIds": ["query051","query054"]

}

**POST /personalizations/personalization/personalization051**

{

"personalizationId": "personalization051",

"scoredQuerieIds":

[

{

"queryIds" : ["query053"],

"point" : 100

},

{

"queryIds" : ["query051"],

"point" : 50

}

]

}

**POST /personalizations/personalization/personalization052**

{

"personalizationId": "personalization052",

"scoredQuerieIds":

[

{

"queryIds" : ["query051"],

"point" : 100

},

{

"queryIds" : ["query053"],

"point" : 150,

"required": "True"

}

]

}

**POST /personalizations/personalization/personalization053**

{

"personalizationId": "personalization053",

"scoredQuerieIds":

[

{

"queryIds" : ["query053"],

"point" : 100

},

{

"queryIds" : ["query051"],

"point" : 50,

"required": "False"

}

]

}

**POST /assignments/assignment/assignment051**

{

"assignmentId": "assignment051",

"triggerId": "trigger051",

"competitionPoolId": "comp051",

"segmentationId": "segmentation052",

"contentId": "content051",

"validFrom": "2019-06-11T01:00:00Z",

"validTo": "2019-08-01T01:00:00Z",

"expireAfter": 1

}

**POST /assignments/assignment/assignment052**

{

"assignmentId": "assignment052",

"triggerId": "trigger051",

"competitionPoolId": "comp051",

"segmentationId": "segmentation053",

"contentId": "content051",

"validFrom": "2019-06-11T01:00:00Z",

"validTo": "2019-08-01T01:00:00Z",

"expireAfter": 1

}

**POST /assignments/assignment/assignment053**

{

"assignmentId": "assignment053",

"triggerId": "trigger051",

"competitionPoolId": "comp052",

"segmentationId": "segmentation052",

"contentId": "content053",

"validFrom": "2019-06-11T01:00:00Z",

"validTo": "2019-08-01T01:00:00Z",

"expireAfter": 1

}

**POST /assignments/assignment/assignment054**

{

"assignmentId": "assignment054",

"triggerId": "trigger051",

"competitionPoolId": "comp053",

"segmentationId": "segmentation051",

"contentId": "content053",

"validFrom": "2019-06-11T01:00:00Z",

"validTo": "2019-08-01T01:00:00Z",

"expireAfter": 1

}

**POST /assignments/assignment/assignment055**

{

"assignmentId": "assignment055",

"triggerId": "trigger051",

"competitionPoolId": "comp052",

"segmentationId": "segmentation053",

"contentId": "content052",

"validFrom": "2019-06-11T01:00:00Z",

"validTo": "2019-08-01T01:00:00Z",

"expireAfter": 1

}

**POST /assignments/assignment/assignment056**

{

"assignmentId": "assignment056",

"triggerId": "trigger051",

"competitionPoolId": "comp053",

"personalizationId": "personalization051",

"contentId": "content052",

"validFrom": "2019-06-11T01:00:00Z",

"validTo": "2019-08-01T01:00:00Z",

"expireAfter": 1

}

**POST /assignments/assignment/assignment057**

{

"assignmentId": "assignment057",

"triggerId": "trigger051",

"competitionPoolId": "comp053",

"personalizationId": "personalization052",

"contentId": "content052",

"validFrom": "2019-06-11T01:00:00Z",

"validTo": "2019-08-01T01:00:00Z",

"expireAfter": 1

}

**POST assigned\_contents/assigned\_content/ac05**

{

"shopperId" : "shopper052",

"contentId" : "content053",

"segmentationId" : "segmentation052",

"competitionPoolId": "comp052",

"createTime" : "2019-06-01T04:03:52Z",

"validTo" : "2019-06-02T04:03:52Z"

}

**Test cases we did:**

**1. EXECUTE QUERY**

**Case 1.1: query051**

**GET http://0.0.0.0:5000/method/query/execute/query051**

=======Result=========

[

"shopper052",

"shopper053",

"shopper051"

]

**Case 1.2: query052**

**GET http://0.0.0.0:5000/method/query/execute/query052**

=======Result=========

[

"shopper052",

"shopper053",

"shopper054"

]

**Case 1.3: query053**

**GET http://0.0.0.0:5000/method/query/execute/query053**

=======Result=========

[ "shopper052" ]

**Case 1.4: query054**

**GET http://0.0.0.0:5000/method/query/execute/query054**

=======Result=========

[]

**2. EXECUTE SEGMENTATION**

**Case 2.1: segmentation051**

**GET http://0.0.0.0:5000/method/segmentation/execute/segmentation051**

=======Result=========

[

"shopper052",

"shopper053"

]

**Case 2.2: segmentation052**

**GET http://0.0.0.0:5000/method/segmentation/execute/segmentation052**

=======Result=========

[ "shopper052" ]

**Case 2.3: segmentation053**

**GET http://0.0.0.0:5000/method/segmentation/execute/segmentation053**

=======Result=========

[

"shopper052",

"shopper053",

"shopper051"

]

**Case 2.4: segmentation054**

**GET http://0.0.0.0:5000/method/segmentation/execute/segmentation054**

=======Result=========

[ ]

**3. EXECUTE PERSIONALIZATION**

**Case 3.1.a: personalization051 - shopper052**

**GET http://0.0.0.0:5000/method/personalization/execute/shopper052/personalization051**

=======Result=========

150

**Case 3.1.b: personalization051 - shopper051**

**GET http://0.0.0.0:5000/method/personalization/execute/shopper051/personalization051**

=======Result=========

50

**Case 3.1.c: personalization051 - shopper054**

**GET http://0.0.0.0:5000/method/personalization/execute/shopper054/personalization051**

=======Result=========

0

**Case 3.2.a: personalization052 - shopper052**

**GET http://0.0.0.0:5000/method/personalization/execute/shopper052/personalization052**

=======Result=========

250

**Case 3.2.b: personalization052 - shopper051**

**GET http://0.0.0.0:5000/method/personalization/execute/shopper051/personalization052**

=======Result=========

0

**Case 3.3.a: personalization053 - shopper052**

**GET http://0.0.0.0:5000/method/personalization/execute/shopper052/personalization053**

=======Result=========

250

**Case 3.2.b: personalization053 - shopper051**

**GET http://0.0.0.0:5000/method/personalization/execute/shopper051/personalization052**

=======Result=========

150

**4. DEMO SEGMENTATION**

**Case 4.1: assignment051**

**GET http://0.0.0.0:5000/method/demoSegmentation/assignment051**

=======Result=========

[ {

"shopperId": "shopper052",

"contentId": "content051",

"segmentationId": "segmentation052",

"competitionPoolId": "comp051",

"createTime": "2019-06-11T03:12:13Z",

"validTo": "2019-06-12T03:12:13Z"

} ]

**Case 4.2: TEST Limit\_Content: assignment052**

**GET http://0.0.0.0:5000/method/demoSegmentation/assignment052**

=======Result=========

[

{

"shopperId": "shopper052",

"contentId": "content051",

"segmentationId": "segmentation053",

"competitionPoolId": "comp051",

"createTime": "2019-06-11T03:25:05Z",

"validTo": "2019-06-12T03:25:05Z"

}

]

**Case 4.3: TEST overwriteFlag in Competition Pool and Limit\_CompetionPool: assignment053**

**GET http://0.0.0.0:5000/method/demoSegmentation/assignment053**

=======Result=========

[]

**Update** **overwriteFlag: “true” in comp052 and run again:**

=======Result=========

[

{

"shopperId": "shopper052",

"contentId": "content053",

"segmentationId": "segmentation052",

"competitionPoolId": "comp052",

"createTime": "2019-06-11T04:13:36Z",

"validTo": "2019-06-12T04:13:36Z"

}

]

**Case 4.4: TEST Frequency\_Content: assignment054**

**GET http://0.0.0.0:5000/method/demoSegmentation/assignment054**

=======Result=========

[

{

"shopperId": "shopper052",

"contentId": "content053",

"segmentationId": "segmentation051",

"competitionPoolId": "comp053",

"createTime": "2019-06-11T04:24:58Z",

"validTo": "2019-06-12T04:24:58Z"

}

]

**Run again:** **GET http://0.0.0.0:5000/method/demoSegmentation/assignment054**

=======Result=========

[]

**Case 4.5: TEST Frequency\_CompetionPool: assignment055**

**GET http://0.0.0.0:5000/method/demoSegmentation/assignment055**

=======Result=========

[

{

"shopperId": "shopper053",

"contentId": "content052",

"segmentationId": "segmentation053",

"competitionPoolId": "comp052",

"createTime": "2019-06-11T04:30:16Z",

"validTo": "2019-06-12T04:30:16Z"

}

]

**5. DEMO PERSIONALIZATION**

**Case 5.1: shopper052 - trigger051**

**GET http://0.0.0.0:5000/method/demoPersonalizationTrigger/shopper052/trigger051**

=======Result=========

{

"shopperId": "shopper052",

"contentId": "content052",

"personalizationId": "personalization052",

"competitionPoolId": "comp053",

"createTime": "2019-06-11T05:21:03Z",

"validTo": "2019-06-12T05:21:03Z"

}

**Case 5.2: shopper051 - trigger051**

**GET http://0.0.0.0:5000/method/demoPersonalizationTrigger/shopper051/trigger051**

=======Result=========

{

"shopperId": "shopper051",

"contentId": "content052",

"personalizationId": "personalization051",

"competitionPoolId": "comp053",

"createTime": "2019-06-11T05:21:33Z",

"validTo": "2019-06-12T05:21:33Z"

}