<http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php>

**ACHTUNG**: Client calls made just for you to test it, real calls from client you can check in client code. «Original server» API is endpoint for call.

1. Update **country**, **city** and **continent** of order **1861** .

**PUT request**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q11>

Original server API: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/customer_data/customer/order_details/order_address/detailed_order_data?potal_code=1861>

**Response XML:**

<detailed\_order\_data potal\_code="1861">

<country>America</country>

<city>New York</city>

<continent>hell</continent>

<customer\_fridges\_on\_current\_address>

<fridge fridge\_id="83" year\_of\_production="2011-03-27">

<fridge\_type>Side-by-side</fridge\_type>

<fridge\_color>silver</fridge\_color>

<prod\_country>Indonesia</prod\_country>

<fridge\_volume>44.3</fridge\_volume>

</fridge>

</customer\_fridges\_on\_current\_address>

<link rel="country" href="/server.php/customer\_data/customer/order\_details/order\_address/detailed\_order\_data?potal\_code=1861/country"/>

<link rel="city" href="/server.php/customer\_data/customer/order\_details/order\_address/detailed\_order\_data?potal\_code=1861/city"/>

<link rel="continent" href="/server.php/customer\_data/customer/order\_details/order\_address/detailed\_order\_data?potal\_code=1861/continent"/>

<link rel="customer\_fridges\_on\_current\_address" href="/server.php/customer\_data/customer/order\_details/order\_address/detailed\_order\_data?potal\_code=1861/customer\_fridges\_on\_current\_address"/>

</detailed\_order\_data>

1. Show all facility data with the year range between **2014-2016** and who has status **WARINING or CRITICAL**

**POST REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q53>

Original server API: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/rates_and_facilities/rates_of_particular_facility/facility_data>

**Response XML:**

<response>

<facility\_data facility\_id="610" facility\_type="Corporate ">

<local\_facility\_name>Local Facility 610 GMBH</local\_facility\_name>

<facility\_type>Corporate</facility\_type>

<detailed\_data>

<appointment appointment\_id="30">

<appointment\_data\_to\_export>

<appointment\_data>

<appointment>

<appointment\_id>299</appointment\_id>

**….**

<link rel="local\_facility\_name" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/local\_facility\_name"/>

<link rel="facility\_type" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/facility\_type"/>

<link rel="detailed\_data" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data"/>

**….**

1. Show appointments where customers from (city Tyrol and age are in **$params**) and appointment is from **$date**

**POST REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q32>

Original server API: [http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/appointment\_data/appointment/appointment\_details/customer\_info/customer\_details/customer\_to\_export/customer\_data/customer/customer\_address/postal\_code](http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/appointment_data/appointment)

**Response XML:**

<appointment appointment\_id="644">

<appointment\_type>CORPORATE</appointment\_type>

<special\_handling>As quick as possible</special\_handling>

<appointment\_details>

<customer\_info>

<customer\_details customer\_id="466" age="34">

<customer\_to\_export>

<customer\_data>

<customer>

<customer\_id>466</customer\_id>

<fridge\_id>778</fridge\_id>

<first\_name>Paridhi</first\_name>

<last\_name>Malhotra</last\_name>

<gender>female</gender>

<age>34</age>

**….**

</status>

</symptom>

</status>

</appointment\_details>

<link rel="appointment\_type" href="/server.php/appointment\_data/appointment\_type"/>

<link rel="special\_handling" href="/server.php/appointment\_data/special\_handling"/>

<link rel="appointment\_details" href="/server.php/appointment\_data/appointment\_details"/>

</appointment>

1. Find all **$appointment\_type** appointments where were problems with icing (**$params**) of fridge and status to **CORPORATE\_FREEZE**

**PUT REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q34>

Original server API: [http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/appointment\_data/appointment/appointment\_details/status/symptom](http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/appointment_data/appointment)

**Response XML:**

<appointment appointment\_id="644">

<appointment\_type>CORPORATE\_FREEZ</appointment\_type>

<special\_handling>As quick as possible</special\_handling>

<appointment\_details>

<customer\_info>

<customer\_details customer\_id="466" age="34">

<customer\_to\_export>

<customer\_data>

<customer>

<customer\_id>466</customer\_id>

<fridge\_id>778</fridge\_id>

<first\_name>Paridhi</first\_name>

**….**

</appointment\_details>

<link rel="appointment\_type" href="/server.php/appointment\_data/appointment/appointment\_type"/>

<link rel="special\_handling" href="/server.php/appointment\_data/appointment/special\_handling"/>

**….**

5. Find all symptoms data were symptom from **$date** and local facility has **$type** type

**POST REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q54>

Original server API: [http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data](http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/rates_and_facilities/rates_of_particular_facility/facility_data/detailed_data/appointment/appointment_data_to_export/appointment_data/appointment/facility/repair/symptom)

**Response XML:**

<response>

<symptom\_type>FREEZING</symptom\_type>

<symptom\_description>Doesnt give me a cool vibes</symptom\_description>

<caused\_by>Cat</caused\_by>

<assumption>Too many beer there</assumption>

<symptom\_from>2017-07-26</symptom\_from>

<link rel="symptom\_type" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/appointment/appointment\_data\_to\_export/appointment\_data/appointment/facility/repair/symptom/symptom\_type"/>

<link rel="symptom\_description" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/appointment/appointment\_data\_to\_export/appointment\_data/appointment/facility/repair/symptom/symptom\_description"/>

<link rel="caused\_by" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/appointment/appointment\_data\_to\_export/appointment\_data/appointment/facility/repair/symptom/caused\_by"/>

<link rel="assumption" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/appointment/appointment\_data\_to\_export/appointment\_data/appointment/facility/repair/symptom/assumption"/>

<link rel="symptom\_from" href="/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/appointment/appointment\_data\_to\_export/appointment\_data/appointment/facility/repair/symptom/symptom\_from"/>

**….**

6. Find all **$status** local facilities who provides service in **$blocks** Austria

**POST REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q21>

Original server API: [http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/local\_facility\_data/local\_facility/provide\_service/provide\_service\_in/postal\_code](http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/local_facility_data/local_facility)

**Response JSON:**

{

"local\_facility": [

{

"@attributes": {

"facility\_id": "42",

"facility\_status": "ACTIVE "

},

"local\_facility\_name": "Local Facility 42 GMBH",

"facility\_type": "Mixed",

"provide\_service": {

"provide\_service\_in": {

"postal\_code": {

"@attributes": {

"potal\_code": "1386"

},

"country": "Austria",

"city": "Carinthia",

"continent": "Europe"

},

"provide\_service\_for": {

"customer\_data": {

"@attributes": {

"customer\_id": "120",

"age": "26"

}

}

}

}

},

"link": [

{

"@attributes": {

"rel": "local\_facility\_name",

"href": "/server.php/local\_facility\_data/local\_facility/local\_facility\_name"

}

},

{

"@attributes": {

"rel": "facility\_type",

"href": "/server.php/local\_facility\_data/local\_facility/facility\_type"

}

},

{

"@attributes": {

"rel": "provide\_service",

"href": "/server.php/local\_facility\_data/local\_facility/provide\_service"

}

**….**

7. Find facility rates where id of facility between **$range** and status **$status**

**POST REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q51>

Original server API: [http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/appointment/appointment\_data\_to\_export/appointment\_data/appointment/facility](http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/rates_and_facilities/rates_of_particular_facility/facility_data/detailed_data/facility_rate)

**Response JSON:**

{

"facility\_rate": [

{

"appointment": {

"@attributes": {

"rate": "1",

"rate\_type": "POSITIVE "

},

"rate\_description": "Was cool",

"recommend": "MORE NO"

},

"link": [

{

"@attributes": {

"rel": "appointment",

"href": "/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/facility\_rate/appointment"

}

},

{

"@attributes": {

"rel": "appointment",

"href": "/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/facility\_rate/appointment"

}

},

{

"@attributes": {

"rel": "link",

"href": "/server.php/rates\_and\_facilities/rates\_of\_particular\_facility/facility\_data/detailed\_data/facility\_rate/link"

}

}

]

}

**….**

8. Find **$gender** customers who bought fridges with volume less then **$fridge\_volume** in **$year**

**POST REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q14>

Original server API: [http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/customer\_data/customer/order\_details/order\_address/detailed\_order\_data/customer\_fridges\_on\_current\_address/fridge](http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/rates_and_facilities/rates_of_particular_facility/facility_data/detailed_data/facility_rate)

**Response JSON:**

{

"customer": {

"@attributes": {

"customer\_id": "382",

"age": "36"

},

"last\_name": "Castro",

"first\_name": "Araceli",

"gender": "female",

"age": "36",

"title": "ms",

"order\_details": {

"phone": "(870) 839 4907",

"order\_address": {

"street": "Uzfdaeuuzs Street",

"house": "45",

"flat": "74",

"gender": "female",

"porch": "0"

**….**

}

}

},

"link": [

{

"@attributes": {

"rel": "last\_name",

"href": "/server.php/customer\_data/last\_name"

}

},

{

"@attributes": {

"rel": "first\_name",

"href": "/server.php/customer\_data/first\_name"

}

}

**….**

9. Find **$gender** customers who bought fridges with volume less then **$fridge\_volume** in **$year** and remove elements **(first\_name and last\_name)**

**DELETE REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q12>

Original server API: [http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/customer\_data/customer/order\_details/order\_address/detailed\_order\_data/customer\_fridges\_on\_current\_address/fridge](http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/rates_and_facilities/rates_of_particular_facility/facility_data/detailed_data/facility_rate)

**Response JSON:**

{

"customer": [

{

"@attributes": {

"customer\_id": "382",

"age": "36"

},

"gender": "female",

"age": "36",

"title": "ms",

"order\_details": {

"phone": "(870) 839 4907",

"order\_address": {

"street": "Uzfdaeuuzs Street",

"house": "45",

"flat": "74",

"gender": "female",

"porch": "0",

"detailed\_order\_data": {

"@attributes": {

"potal\_code": "1861"

**….**

}

}

}

},

"link": [

{

"@attributes": {

"rel": "last\_name",

"href": "/server.php/customer\_data/last\_name"

}

},

{

"@attributes": {

"rel": "first\_name",

"href": "/server.php/customer\_data/first\_name"

}

}

**….**

10. Find all customer older then **$types\_age** who had appointments

**POST REQUEST**

Example call from rest client: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/client.php/q33>

Original server API: <http://wwwlab.cs.univie.ac.at/~a1349252/iop/rest/server.php/appointment_data/appointment>

**Response JSON:**

{

"customer": [

{

"customer\_id": "466",

"fridge\_id": "778",

"first\_name": "Paridhi",

"last\_name": "Malhotra",

"gender": "female",

"age": "34",

"title": "ms",

"phone": "(360) 210 7424",

"email": "paridhi-83@example.com",

"customer\_address": {

"street": "Nyyldxodlg Street",

"hause": "47",

"flat": "95",

"porch": "0",

"postal\_code": {

"postal\_code": "1816",

"country": "Austria",

"city": "Tyrol",

"continent": "Europe",

"type": "commercial"

}

},

"link": [

{

"@attributes": {

"rel": "customer\_id",

"href": "/server.php/appointment\_data/appointment/customer\_id"

}

},

{

"@attributes": {

"rel": "fridge\_id",

"href": "/server.php/appointment\_data/appointment/fridge\_id"

}

}

**….**