

<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>
```

2. Show all facility data with the year range between **2014-2016** and who has status **WARNING 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"/>
            ....
          </appointment_data>
        </appointment_data_to_export>
      </appointment>
    </detailed_data>
  </appointment>

```

3. Show appointments where customers from (city Tyrol and age are in **Sparams**) and appointment is from **Sdate**
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

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>
              ....
            </customer>
          </customer_data>
        </customer_to_export>
      </customer_details>
    </customer_info>
    <status>
      <symptom>
        </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>

```

- 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

Response XML:

```
<appointment appointment_id="644">
  <appointment_type>CORPORATE_FREEZE</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>
            </customer>
          </customer_data>
        </customer_to_export>
      </customer_details>
    </customer_info>
    ....
  </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"/>
  ....
</appointment>
```

- 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

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/a
```

```

        ppointment_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/a
    ppointment_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/a
    ppointment_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/a
    ppointment_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

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": {
              "postal_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

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

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

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"
            }
          }
        }
      }
    },
    {
      "@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"
        }
      }
    },
    {
      "@attributes": {
        "rel": "customer_id",
        "href": "/server.php/appointment_data/appointment/customer_id"
      }
    },
    {
      "@attributes": {
        "rel": "fridge_id",
        "href": "/server.php/appointment_data/appointment/fridge_id"
      }
    }
  ]
}
```

....