<http://wwwlab.cs.univie.ac.at/~a1349252/iop/soap/soap.wsdl>

1. getCustomerAddress(integer code, string country)

Get customer address where customer has order details and postal code **$code** and he/she is from **$country**

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

**Response XML:**

<order\_address>

<street>Uzfdaeuuzs Street</street>

<house>45</house>

<flat>74</flat>

<gender>female</gender>

<porch>0</porch>

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

<country>Austria</country>

<city>Tyrol</city>

<continent>Europe</continent>

**…**

1. getFacilitiesInRange(array string years, array string types)

Find all facility ids which had appointments in **$years** and repair status was **$types**

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

**Response XML:**

<facilities>

<facility>

<facility\_id>610</facility\_id>

</facility>

<facility>

<facility\_id>773</facility\_id>

</facility>

<facility>

<facility\_id>203</facility\_id>

</facility>

<facility>

**…**

1. getTyrolCustomers(Object params, Date date)

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

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

**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>

**…**

1. getCorporateAppointments (Object params, string appointment\_type)

Find all **$appointment\_type** appointments where were problems with icing (**$params**) of fridge

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

**Response JSON:**

[ {

"@attributes":{

"appointment\_id":"644"

},

"appointment\_type":"CORPORATE",

"special\_handling":"As quick as possible",

"appointment\_details":{

"customer\_info":{

"customer\_details":{

"@attributes":{

"customer\_id":"466",

"age":"34"

},

"customer\_to\_export":{

"customer\_data":{

"customer":{

"customer\_id":"466",

"fridge\_id":"778",

**…**

1. getSypmtomData(string type,Date date)

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

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

**Response XML:**

<symptom>

<FREEZING>0</FREEZING>

<Doesnt give me a cool vibes>1</Doesnt give me a cool vibes>

<Cat>2</Cat>

<Too many beer there>3</Too many beer there>

<2017-07-26>4</2017-07-26>

<ICE>5</ICE>

<UNKNOWN>6</UNKNOWN>

<2017-08-04>9</2017-08 04>

…

1. getFacilitiesFromBlocks(Array String blocks, String status)

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

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

**Response JSON:**

[    
   {    
      **"@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"  
            }

…

1. getFacilitiesStatusRange (Array integer range, String status)

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

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

**Response JSON:**

[

{

"appointment":{

"@attributes":{

"rate":"1",

"rate\_type":"POSITIVE "

},

"rate\_description":"Was cool",

"recommend":"MORE NO"

}

},

{

"appointment":{

"@attributes":{

"rate":"1",

"rate\_type":"NEGATIVE "

},

"rate\_description":"Pretty Quick",

"recommend":"YES"

}

}

**…**

1. getCustomersByGenderAndFridge(integer year, integer fridge\_volume,string gender)

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

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

**Response JSON:**

[    
   {    
      **"@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",  
            **"detailed\_order\_data"**:{    
               **"@attributes"**:{    
                  **"potal\_code"**:"1861

**…**

1. getAmountFridges(string country,integer age)

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

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

**Response JSON:**

{    
      **"@attributes"**:{    
         **"customer\_id"**:"83",  
         **"age"**:"23"  
      },  
      **"last\_name"**:"\u0218tirbei",  
      **"first\_name"**:"Eusebiu",  
      **"gender"**:"male",  
      **"age"**:"23",  
      **"title"**:"mr",  
      **"order\_details"**:{    
         **"phone"**:"(198) 741 8721",  
         **"order\_address"**:{    
            **"street"**:"Ayxpqfrvod Street",  
            **"house"**:"46",  
            **"flat"**:"36",  
            **"gender"**:"male",  
            **"porch"**:"1",  
            **"detailed\_order\_data"**:{    
               **"@attributes"**:{    
                  **"potal\_code"**:"1026"  
               }

**…**

1. getCustomersAppointmentsByAge (array integer types\_age)

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

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

**Response XML:**

<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>

<title>ms</title>

<phone>(360) 210 7424</phone>

<email>paridhi-83@example.com</email>

<customer\_address>

<street>Nyyldxodlg Street</street>

<hause>47</hause>

<flat>95</flat>

<porch>0</porch>

<postal\_code>

<postal\_code>1816</postal\_code>

<country>Austria</country>

**…**