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>
                ...
```

2. 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>
                    ...
```

3. 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:

Response XML:

```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>
                        ...
```

4. getCorporateAppointments (Object params, string appointment_type)

Find all **$appointment_type** appointments where were problems with icing (**$params**) of fridge

Example call from soap client:

Response JSON:

```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",
                        ...
```

5. getSypmtomData(string type,Date date)

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

Example call from soap client:

Response XML:

```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>
…
```

6. 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"
        }
              …
```

7. 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"
                  }
                }
            …
```

8. 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
              …
```

9. 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"
      }
        …

10. 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>
        …
```