<http://wwwlab.cs.univie.ac.at/~a1250600/soap/SOAP.wsdl>

<< Address of the WSDL-file

For each function; purpose and excerpt:

Function #1: **getNumberOfCustomersServedByJoe**

Purpose: Count the number of customers that were served by the robot “Joe”

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getNumberOfCustomersServedByJoeResponse>

<NumberOfCustomersResponse>8</NumberOfCustomersResponse>

</ns1:getNumberOfCustomersServedByJoeResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/NumberOfCustomersServedByJoe.php>

Function #2: **getDeliverysInRange**

Purpose: The user can pass two delivery\_ids and gets a list of deliveries whose ids lie between those two.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getDeliverysInRangeResponse>

<getDeliverysInRangeResponse>{

"delivery": [

{

"@attributes": {

"delivery\_id": "726"

},

"ddate": "2020-10-27",

"vendor": "FreshMarket",

"damount": "9"

},

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/DeliverysInRange.php>

Function #3: **getOrdersWithTomatos**

Purpose: User can pass an string array of values and gets a list of e.g. orders that were with tomatoes.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getOrdersWithTomatosResponse>

<OrdersWithTomatosResponse>{

"Orderdetails": [

{

"OrderID": "119",

"OrderItems": {

"Item1": "+ tomato",

"Item2": "+ tomato",

"Item3": "+ onion"

},

"Total": "65.74"

},

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/OrdersWithTomatos.php>

Function #4: **getRobotTaskboard**

Purpose: User passes a map, and the server returns according to the value-key pair which is defined the task board of the robot with the specified robot\_id

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getRobotTaskboardResponse>

<RobotTaskboardResponse>

<robot\_taskboard>

<robot\_info>

<rname>Sandra</rname>

<rtype>stock\_manager</rtype>

<rfunction>ordering</rfunction>

</robot\_info>

</robot\_taskboard>

</RobotTaskboardResponse>

</ns1:getRobotTaskboardResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/RobotTaskboard.php>

Function #5: **getNumberOfOrdersBetween**

Purpose: Takes a dates-array and returns the number of orders that were fulfilled during this time span.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getNumberOfOrdersBetweenResponse>

<NumberOfOrdersBetweenResponse>9</NumberOfOrdersBetweenResponse>

</ns1:getNumberOfOrdersBetweenResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/NumberOfOrdersBetween.php>

Function #6: **getOrdersOfDate**

Purpose: Returns a list of order of a given date.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getOrdersOfDateResponse>

<OrdersOfDateResponse>

<ordersOfDate>

<delivery>

<ddate>2020-01-25</ddate>

<vendor>FreshMarket</vendor>

<damount>13</damount>

</delivery>

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/OrdersOfDate.php>

Function #7: **getBurgerbunItemsize**

Purpose: Takes an integer array and returns a list of burger buns and their item-size.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getBurgerbunItemsizeResponse>

<BurgerbunItemsizeResponse>{

"itname": [

"Burgerbun",

"Burgerbun",

"Burgerbun"

],

"itsize": [

"u",

"u",

"u"

]

}</BurgerbunItemsizeResponse>

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/BurgerbunItemsize.php>

Function #8: **getRobotsAndCitys**

Purpose: Takes an input of type object and returns a list of nodes where the given conditions (robot name and city name) hold.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getRobotsAndCitysResponse>

<RobotsAndCitysResponse>{

"robots": [

{

"@attributes": {

"robot\_id": "440"

},

"rname": "Barney",

"rtype": "burger\_chef",

"rfunction": "produce burger"

},

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/RobotsAndCitys.php>

Function #9: **getAddressOfCustomer**

Purpose: Returns the address of a customer when a customer\_id is provided.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getAddressOfCustomerResponse>

<AddressOfCustomerResponse>

<customer\_data>

<Address>

<City>Bregenz</City>

<Country>Austria</Country>

<Street>DBjVnplC-street</Street>

<Number>34</Number>

<Additional>2</Additional>

</Address>

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/AddressOfCustomer.php>

Function #10: **getOrdersWithWater**

Purpose: Inspect the xml where there are orders which include the orderin of water and what else besides the water was ordered.

Excerpt:

<?xml version="1.0" encoding="UTF-8"?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ns1="tns:SOAP">

<SOAP-ENV:Body>

<ns1:getOrdersWithWaterResponse>

<OrdersWithWaterResponse>

<ordersWithWater>

<water>

<Item1>+ onion</Item1>

<Item2>Sprite</Item2>

<Item3>Water</Item3>

</water>

</ordersWithWater>

URL: <http://wwwlab.cs.univie.ac.at/~a1250600/soap/OrdersWithWater.php>