Service Descriptions

This document provides a brief overview for every service.

CustomerSrv

Endpoint: http://localhost:8000

This service provides CRUD operations for customer entities as well as an operation to retrieve a refreshed credit rating for a single customer.

```
GET     /customers (experiment.webshop.customers.resources.CustomerResource)
POST    /customers (experiment.webshop.customers.resources.CustomerResource)
DELETE  /customers/{id} (experiment.webshop.customers.resources.CustomerResource)
GET     /customers/{id} (experiment.webshop.customers.resources.CustomerResource)
PUT     /customers/{id} (experiment.webshop.customers.resources.CustomerResource)

GET     /customers/{id}/credit-rating-check
(experiment.webshop.customers.resources.CustomerResource)
```

NotificationSrv

Endpoint: http://localhost:8010

This service provides operations to send a "marketing mail" with similar product info to a customer or a "new product mail" to the sales department. It also provides operations to retrieve the previously sent mails and to add products to as well as retrieve products from its "new product" database.

```
GET     /marketing-mails
(experiment.webshop.notifications.resources.NotificationResource)
POST    /marketing-mails
(experiment.webshop.notifications.resources.NotificationResource)
GET     /marketing-mails/{id}
(experiment.webshop.notifications.resources.NotificationResource)


GET     /product-mails
(experiment.webshop.notifications.resources.NotificationResource)
POST    /product-mails
(experiment.webshop.notifications.resources.NotificationResource)
GET     /product-mails/{id}
(experiment.webshop.notifications.resources.NotificationResource)
(experiment.webshop.customers.resources.CustomerResource)

GET     /new-products
(experiment.webshop.notifications.resources.NotificationResource)
POST    /new-products
```

```
(experiment.webshop.notifications.resources.NotificationResource)
GET     /new-products/{id}
(experiment.webshop.notifications.resources.NotificationResource)
```

OrderSrv

Endpoint: http://localhost:8030

This service provides CRUD operations for order entities including the complicated process to create a new order.

```
GET     /orders (experiment.webshop.orders.resources.OrderResource)
POST    /orders (experiment.webshop.orders.resources.OrderResource)
DELETE  /orders/{id} (experiment.webshop.orders.resources.OrderResource)
GET     /orders/{id} (experiment.webshop.orders.resources.OrderResource)
PUT     /orders/{id} (experiment.webshop.orders.resources.OrderResource)
```

ProductSrv

Endpoint: http://localhost:8050

This service provides CRUD operations for product and product category entities. It also provides operations to get and set the currently available amount of a certain product.

```
GET     /categories (experiment.webshop.products.resources.ProductResource)
POST    /categories (experiment.webshop.products.resources.ProductResource)
DELETE  /categories/{id} (experiment.webshop.products.resources.ProductResource)
GET     /categories/{id} (experiment.webshop.products.resources.ProductResource)
PUT     /categories/{id} (experiment.webshop.products.resources.ProductResource)

GET     /products (experiment.webshop.products.resources.ProductResource)
POST    /products (experiment.webshop.products.resources.ProductResource)
DELETE  /products/{id} (experiment.webshop.products.resources.ProductResource)
GET     /products/{id} (experiment.webshop.products.resources.ProductResource)
PUT     /products/{id} (experiment.webshop.products.resources.ProductResource)

GET     /products/{id}/availability
(experiment.webshop.products.resources.ProductResource)
PUT     /products/{id}/availability
(experiment.webshop.products.resources.ProductResource)
```

Web UI

Endpoint: http://localhost:5000

The Web UI provides easy read access to the resources of most services.