

# **WORK TRIAL API DOCUMENTATION**

The Work Trial App source code is available. There is another version which is deployed in herokuapp, as Frontend will consume its APIs.

Setup up and run the app:

- Run the sql script provided in order to setup database and tables. Make sure you put correct credentials for using the database. Credentials can be found in application.properties.
- Open the app, preferably with IntelliJ, and once opened and loaded, run the app, and you may check the following endpoints as per requests from the pdf document that was shared.
- Below, there are sample tests, that could be performed, to see the results from each endpoint:

### 1. Create customer

- **Endpoint:** /api/v1/customers
- **Method:** POST
- **Body:** customer and customer address information

```
{
  "lastName" : "Smith",
  "firstName" : "John",
  "birthdate" : "1990-12-12",
  "jobTitle" : "Software Engineer",
  "category" : "NEW_CUSTOMER",
  "emailAddress" : "johnsmith@gmail.com",
  "customerAddress" : {
    "street" : "Lakeside",
    "houseNumber" : "12345",
    "state" : "HE",
    "country" : "Germany",
    "city" : "Frankfurt",
    "zipCode" : "60306"
  }
}
```

## 2. Create product

- **Endpoint:** /api/v1/products
- **Method:** POST
- **Body:** Product Information

```
{
  "label" : "Product Description",
  "description" : "John",
  "price" : "35.5"
```

## 3. Create order

- **Endpoint:** /api/v1/orders
- **Method:** POST
- **Body:** Order Information

```
{
  "additionalInfo" : "Additional Sample Info",
  "customerId" : "730331e0-f009-4077-b809-0aa6df85891c",
  "productIds" : ["ae7212ab-abc0-4c9e-a523-4d3ccf8b9cd2"],
  "price" : "35.5"
}
```

## 4. Find customers

- **Endpoint:** /api/v1/customers/findAl
- **Method:** GET
- **Request param :** No
- **Sample:** 'http://localhost:8080/api/v1/customers/findAll'

## 5. List customers

- **Endpoint:** /api/v1/customers
- **Method:** GET
- Search customers, which can be filtered by lastName, firstName, emailAddress, category.
- **Endpoint:** /api/v1/customers
- **Method:** GET
- **Request param :** No
- **Sample:**  
'localhost:8080/api/v1/customers?firstName=Lendrit&lastName=Shala  
&emailAddress=lendritshala3@gmail.com&category=NEW\_CUSTO  
MER'

6. **List customer has same city, state, country in address**

- **Endpoint:** /api/v1/customers/{customer\_id}
- **Method:** GET
- Search customers, which has same city, state, country in address.
- **Endpoint:** /api/v1/customers
- **Method:** GET
- **Sample:** 'localhost:8080/api/v1/customers?city=München&country=Germany&state=DE'

7. **List customer having provided productId in the order.**

- **Endpoint:** /api/v1/products/{product\_id}/customers
- **Method:** GET
- Search customers, which can be filtered by lastName, firstName, emailAddress, category.
- **Endpoint:** /api/v1/customers
- **Method:** GET
- **Sample:** 'localhost:8080/api/v1/products/0c7f1cac-63f6-461e-8dad-d74307d243c9/customers'

8. **List order of customer by customerId**

- **Endpoint:** /api/v1/customers/{customer\_id}/orders
- **Method:** GET
- Search customers, which can be filtered by lastName, firstName, emailAddress, category.
- **Endpoint:** /api/v1/customers
- **Method:** GET
- **Sample:** 'localhost:8080/api/v1/customers/4685318a-65ec-47b1-acb3-e25654ac94f0/orders'

**9. List order of customer having state NEW CUSTOMER.**

- **Endpoint:** /api/v1/orders/order/new-customer
- **Method:** GET
- Search customers, which can be filtered by lastName, firstName, emailAddress, category.
- **Endpoint:** /api/v1/customers
- **Method:** GET
- **Sample:** 'localhost:8080/api/v1/customers/4685318a-65ec-47b1-acb3-e25654ac94f0/orders'

**10. Search customers, which can be filtered by lastName, firstName, emailAddress, category**

- **Endpoint:** /api/v1/customers
- **Method:** POST
- Search customers, which can be filtered by lastName, firstName, emailAddress, category.
- **Endpoint:** /api/v1/customers
- **Method:** GET
- **Request param :** lastName, firstName, emailAddress, category. All are optional. Any exist param will be combined into final criteria
- **Sample:**  
'localhost:8080/api/v1/customers?firstName=John&lastName=Smith&emailAddress=johnsmith@gmail.com&category=NEW\_CUSTOMER'