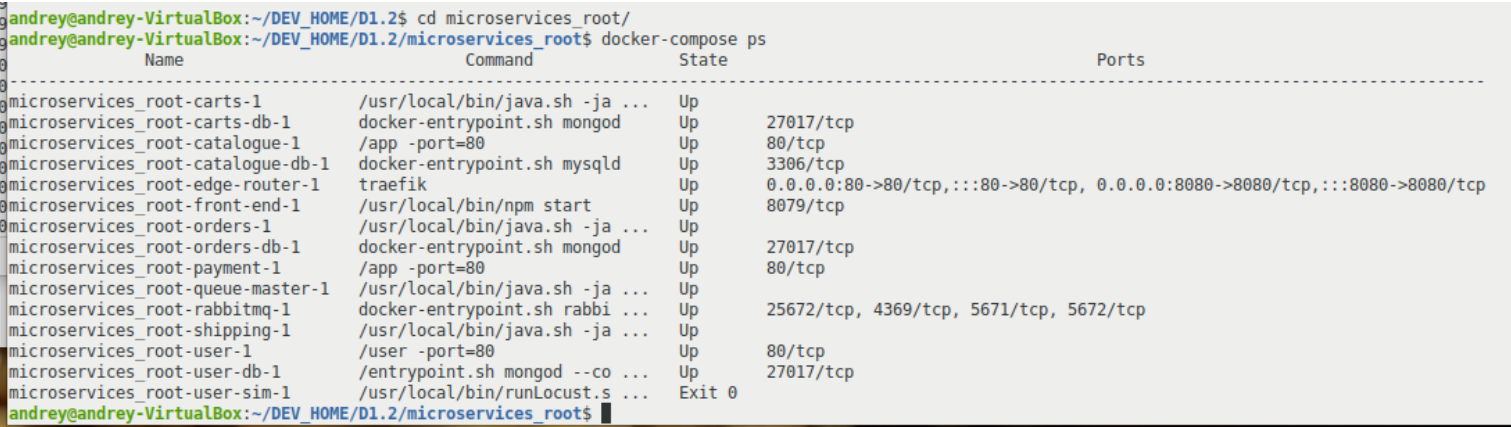
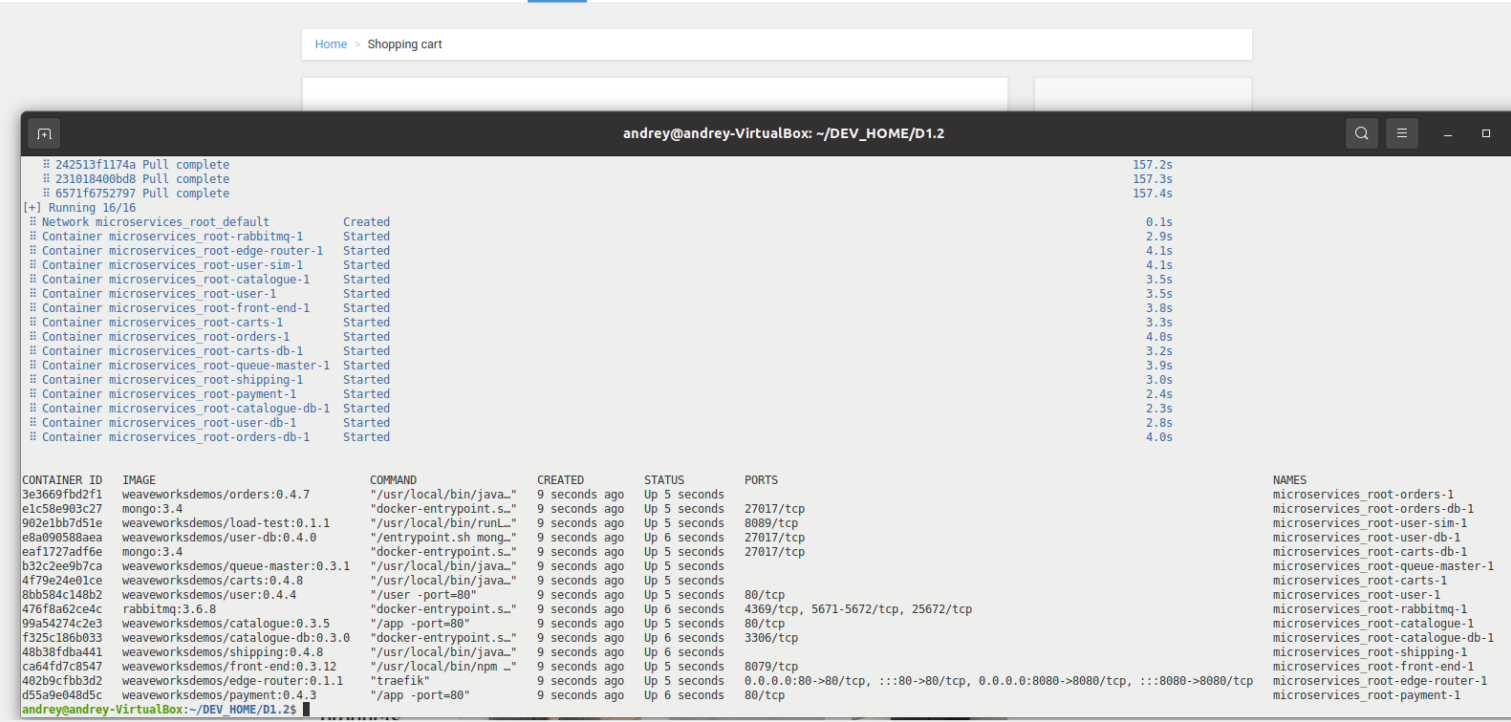
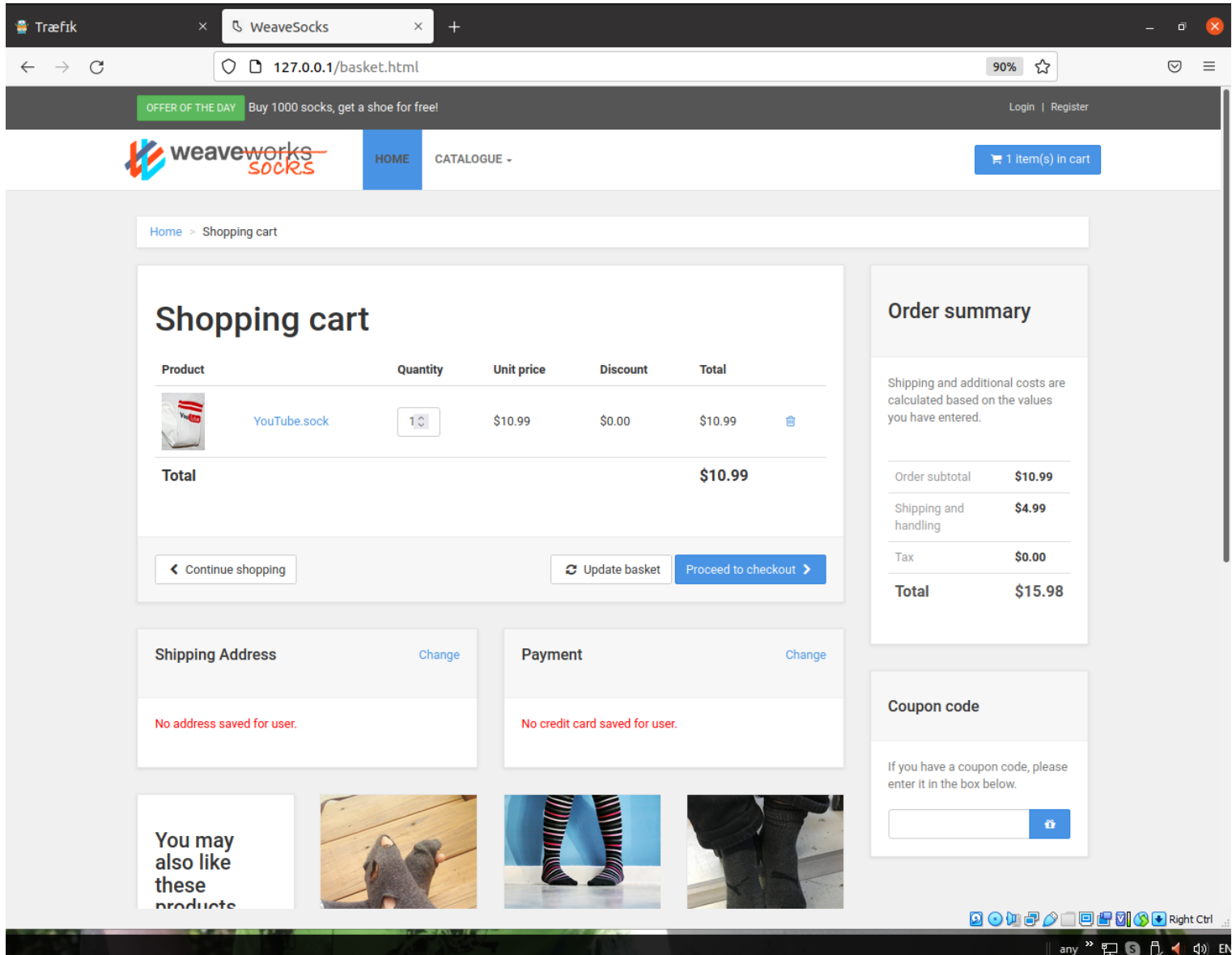


Module D1.2 Practical Work Report

Задание:

1. Скачайте [конфигурацию](#) поднятия локальной копии интернет-магазина для *Docker Compose*.
2. Поднимите все сервисы из этого файла.
3. Убедитесь, что проект успешно поднялся. Для этого:
 - Проверьте, что все сервисы успешно запущены (*docker-compose ps*).
 - Зайдите через браузер в локальную копию интернет-магазина и убедитесь, что проект работает.
4. Отправьте скриншот списка всех контейнеров, работающих в этом проекте.
5. Понаблюдайте в логах, какой сервис отвечает при взаимодействии с сайтом при переходе в каталоги, корзину покупателя и оформление заказа (*docker-compose logs -f*).
6. Отправьте скриншот записей из логов работы различных сервисов этого проекта. Например, логи работы сервиса доставки и БД.
7. Сверните проект, чтобы не осталось лишних контейнеров.





при взаимодействии с сайтом

microservices_root-front-end-1

===== Open browser front page on address 127.0.0.1:80

```
[32mmicroservices_root-catalogue-1 | [0m ts=2022-04-22T13:31:09Z caller=logging.go:36 method=List tags= order=id pageNum=1 pageSize=5 result=5 err=null
took=820.579µs
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue?size=5 [32m200 [0m3.551 ms - - [0m
[36;1mmicroservices_root-front-end-1 | [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 | [0m Customer ID: sW0QwMAh5GifLMkqYix9FXCMU9wOj252
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /cart [32m200 [0m11.321 ms - - [0m
```

при переходе в каталоги

microservices_root-catalogue-1

microservices_root-front-end-1

===== Went to page on address <http://127.0.0.1/category.html>

```
[34mmicroservices_root-edge-router-1 | [0m time="2022-04-22T13:33:42Z" level=warning msg="Error forwarding to http://front-end:8079, err: dial tcp: lookup front-
end on 127.0.0.11:53: dial udp 127.0.0.11:53: operation was canceled"
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /tags [32m200 [0m4.923 ms - - [0m
[32mmicroservices_root-catalogue-1 | [0m ts=2022-04-22T13:33:42Z caller=logging.go:74 method=Tags result=11 err=null took=386.942µs
[32mmicroservices_root-catalogue-1 | [0m ts=2022-04-22T13:33:42Z caller=logging.go:49 method=Count tags= result=9 err=null took=813.41µs
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/size?tags= [32m200 [0m7.640 ms - - [0m
[32mmicroservices_root-catalogue-1 | [0m ts=2022-04-22T13:33:42Z caller=logging.go:36 method=List tags= order=id pageNum=1 pageSize=6 result=6 err=null
took=1.091577ms
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue?page=1&size=6&tags= [32m200 [0m4.851 ms - - [0m
[36;1mmicroservices_root-front-end-1 | [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 | [0m Customer ID: sW0QwMAh5GifLMkqYix9FXCMU9wOj252
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /cart [32m200 [0m31.367 ms - - [0m
```

корзину покупателя
microservices_root-user-1
microservices_root-front-end-1
===== Went to page on address http://127.0.0.1/basket.html
[36;1mmicroservices_root-front-end-1 [0m [0mGET /cart [32m200 [0m31.367 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 [0m Customer ID: sW0QwMAh5GifLMkqYix9FXCMU9wOj252
[36;1mmicroservices_root-front-end-1 [0m [0mGET /cart [32m200 [0m7.883 ms - - [0m
[32mmicroservices_root-user-1 [0m ts=2022-04-22T13:38:34Z caller=middlewares.go:75 method=GetUsers id=sW0QwMAh5GifLMkqYix9FXCMU9wOj252 result=1 took=23.666µs
[36;1mmicroservices_root-front-end-1 [0m [0mGET /card [32m200 [0m5.351 ms - - [0m
[32mmicroservices_root-user-1 [0m ts=2022-04-22T13:38:34Z caller=server.go:94 err="Invalid Id Hex"
[32mmicroservices_root-user-1 [0m ts=2022-04-22T13:38:34Z caller=middlewares.go:75 method=GetUsers id=sW0QwMAh5GifLMkqYix9FXCMU9wOj252 result=1 took=20.389µs
[32mmicroservices_root-user-1 [0m ts=2022-04-22T13:38:34Z caller=server.go:94 err="Invalid Id Hex"
[36;1mmicroservices_root-front-end-1 [0m [0mGET /address [32m200 [0m4.257 ms - - [0m
[32mmicroservices_root-catalogue-1 [0m ts=2022-04-22T13:38:34Z caller=logging.go:36 method=List tags= order=id pageNum=1 pageSize=3 result=3 err=null took=881.748µs
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue?size=3 [32m200 [0m8.042 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 [0m Customer ID: sW0QwMAh5GifLMkqYix9FXCMU9wOj252
[36;1mmicroservices_root-front-end-1 [0m [0mGET /cart [32m200 [0m8.675 ms - - [0m

Пользователь создан
microservices_root-user-1
microservices_root-front-end-1
===== User created
[36;1mmicroservices_root-front-end-1 [0m Posting Customer:
{ "username": "silverstandart", "password": "infodba", "email": "silversrandart@gmail.com", "firstName": "andrey", "lastName": "last name" }
[32mmicroservices_root-user-1 [0m ts=2022-04-22T14:04:57Z caller=middlewares.go:46 method=Register username=silverstandart email=silversrandart@gmail.com took=861.45µs
[36;1mmicroservices_root-front-end-1 [0m { id: '6262b609ee11cb00018f5e14' }
[36;1mmicroservices_root-front-end-1 [0m 6262b609ee11cb00018f5e14
[36;1mmicroservices_root-front-end-1 [0m Merging carts for customer id: 6262b609ee11cb00018f5e14 and session id: sW0QwMAh5GifLMkqYix9FXCMU9wOj252
[36;1mmicroservices_root-front-end-1 [0m Carts merged.
[36;1mmicroservices_root-front-end-1 [0m set cookie6262b609ee11cb00018f5e14
[36;1mmicroservices_root-front-end-1 [0m Sent cookies.
[36;1mmicroservices_root-front-end-1 [0m [0mPOST /register [32m200 [0m47.777 ms - 33 [0m
[36;1mmicroservices_root-front-end-1 [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 [0m Customer ID: 6262b609ee11cb00018f5e14
[32mmicroservices_root-user-1 [0m ts=2022-04-22T14:04:59Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=684.871µs
[32mmicroservices_root-catalogue-1 [0m ts=2022-04-22T14:04:59Z caller=logging.go:36 method=List tags= order=id pageNum=1 pageSize=3 result=3 err=null took=1.616612ms
[32mmicroservices_root-user-1 [0m ts=2022-04-22T14:04:59Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=912.573µs
[36;1mmicroservices_root-front-end-1 [0m [0mGET /address [32m200 [0m11.216 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /card [32m200 [0m8.667 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue?size=3 [32m200 [0m9.931 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /cart [32m200 [0m18.608 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 [0m Customer ID: 6262b609ee11cb00018f5e14
[32mmicroservices_root-user-1 [0m ts=2022-04-22T14:04:59Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=1.443884ms
[36;1mmicroservices_root-front-end-1 [0m [0mGET /customers/sW0QwMAh5GifLMkqYix9FXCMU9wOj252 [32m200 [0m7.360 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /cart [32m200 [0m12.391 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/holy_1.jpeg [32m200 [0m3.530 ms - 42201 [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/holy_2.jpeg [32m200 [0m3.826 ms - 43812 [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/puma_1.jpeg [32m200 [0m9.478 ms - 39572 [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/colourful_socks.jpg [32m200 [0m7.698 ms - 486192 [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/puma_2.jpeg [32m200 [0m11.996 ms - 41167 [0m
[32mmicroservices_root-catalogue-1 [0m ts=2022-04-22T14:04:59Z caller=logging.go:62 method=Get id=a0a4f044-b040-410d-8ead-4de0446aec7e sock=a0a4f044-b040-410d-8ead-4de0446aec7e err=null took=728.42µs
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/a0a4f044-b040-410d-8ead-4de0446aec7e [32m200 [0m3.000 ms - - [0m
[32mmicroservices_root-catalogue-1 [0m ts=2022-04-22T14:04:59Z caller=logging.go:62 method=Get id=a0a4f044-b040-410d-8ead-4de0446aec7e sock=a0a4f044-b040-410d-8ead-4de0446aec7e err=null took=707.614µs
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/a0a4f044-b040-410d-8ead-4de0446aec7e [32m200 [0m2.825 ms - - [0m
[36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/bit_of_leg_1.jpeg [32m200 [0m1.984 ms - 32388 [0m

Добавлен Адрес
microservices_root-user-1
microservices_root-front-end-1
microservices_root-catalogue-1
===== address attached http://127.0.0.1/basket.html

36;1mmicroservices_root-front-end-1 | [0m Posting Address:
{ "number": "5", "street": "pobedy", "city": "Petropavlovsk", "postcode": "150000", "country": "Kazakhstan", "userID": "6262b609ee11cb00018f5e14" }
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:08:52Z caller=middlewares.go:88 method=PostAddress street=pobedy number=5
user=6262b609ee11cb00018f5e14 took=1.587869ms
[36;1mmicroservices_root-front-end-1 | [0m [0mPOST /addresses [32m200 [0m6.261 ms - - [0m
[36;1mmicroservices_root-front-end-1 | [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 | [0m Customer ID: 6262b609ee11cb00018f5e14
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /cart [32m200 [0m9.026 ms - - [0m
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:08:52Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=480.491µs
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /card [32m200 [0m4.600 ms - - [0m
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:08:52Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=469.638µs
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /address [32m200 [0m4.947 ms - - [0m
[32mmicroservices_root-catalogue-1 | [0m ts=2022-04-22T14:08:52Z caller=logging.go:36 method=List tags= order=id pageNum=1 pageSize=3 result=3 err=null
took=1.584511ms
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue?size=3 [32m200 [0m10.682 ms - - [0m
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:08:52Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=554.178µs
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /customers/sW0QwMAh5GifLMkqYix9FXCMU9wOj252 [32m200 [0m6.128 ms - - [0m
[36;1mmicroservices_root-front-end-1 | [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 | [0m Customer ID: 6262b609ee11cb00018f5e14
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /cart [32m200 [0m11.765 ms - - [0m
[32mmicroservices_root-catalogue-1 | [0m ts=2022-04-22T14:08:52Z caller=logging.go:62 method=Get id=a0a4f044-b040-410d-8ead-4de0446aec7e sock=a0a4f044-b040-410d-8ead-4de0446aec7e err=null took=831.702µs
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/a0a4f044-b040-410d-8ead-4de0446aec7e [32m200 [0m3.581 ms - - [0m
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/images/holy_1.jpeg [32m200 [0m2.223 ms - 42201 [0m
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/images/holy_2.jpeg [32m200 [0m1.931 ms - 43812 [0m
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/images/colourful_socks.jpg [32m200 [0m2.665 ms - 486192 [0m
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/images/puma_2.jpeg [32m200 [0m2.980 ms - 41167 [0m
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/images/puma_1.jpeg [32m200 [0m4.760 ms - 39572 [0m
[32mmicroservices_root-catalogue-1 | [0m ts=2022-04-22T14:08:52Z caller=logging.go:62 method=Get id=a0a4f044-b040-410d-8ead-4de0446aec7e sock=a0a4f044-b040-410d-8ead-4de0446aec7e err=null took=745.198µs
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/images/bit_of_leg_1.jpeg [32m200 [0m4.136 ms - 32388 [0m
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /catalogue/a0a4f044-b040-410d-8ead-4de0446aec7e [32m200 [0m5.389 ms - - [0m

Добавлена Банковская карта
microservices_root-front-end-1 microservices_root-user-1
===== bank card attached http://127.0.0.1/basket.html [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/a0a4f044-b040-410d-8ead-4de0446aec7e [32m200 [0m5.389 ms - - [0m [36;1mmicroservices_root-front-end-1 [0m Posting Card: { "longNum": "1111 1111 1111 1111", "expires": "07/23", "ccv": "379", "userID": "6262b609ee11cb00018f5e14" } [32mmicroservices_root-user-1 [0m ts=2022-04-22T14:12:03Z caller=middlewares.go:118 method=PostCard card=*****1111 user=6262b609ee11cb00018f5e14 took=1.055832ms [36;1mmicroservices_root-front-end-1 [0m [0mPOST /cards [32m200 [0m6.481 ms - - [0m [36;1mmicroservices_root-front-end-1 [0m Request received: /cart, undefined [36;1mmicroservices_root-front-end-1 [0m Customer ID: 6262b609ee11cb00018f5e14 [36;1mmicroservices_root-front-end-1 [0m [0mGET /cart [32m200 [0m8.658 ms - - [0m [32mmicroservices_root-user-1 [0m ts=2022-04-22T14:12:04Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=566.982µs [36;1mmicroservices_root-front-end-1 [0m [0mGET /card [32m200 [0m5.003 ms - - [0m [32mmicroservices_root-user-1 [0m ts=2022-04-22T14:12:04Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=396.449µs [36;1mmicroservices_root-front-end-1 [0m [0mGET /address [32m200 [0m12.934 ms - - [0m [32mmicroservices_root-catalogue-1 [0m ts=2022-04-22T14:12:04Z caller=logging.go:36 method=List tags= order=id pageNum=1 pageSize=3 result=3 err=null took=948.86µs [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue?size=3 [32m200 [0m5.811 ms - - [0m [32mmicroservices_root-user-1 [0m ts=2022-04-22T14:12:04Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=575.456µs [36;1mmicroservices_root-front-end-1 [0m [0mGET /customers/sW0QwMAh5GifLMkqYix9FXCMU9wOj252 [32m200 [0m4.011 ms - - [0m [36;1mmicroservices_root-front-end-1 [0m Request received: /cart, undefined [36;1mmicroservices_root-front-end-1 [0m Customer ID: 6262b609ee11cb00018f5e14 [32mmicroservices_root-catalogue-1 [0m ts=2022-04-22T14:12:04Z caller=logging.go:62 method=Get id=a0a4f044-b040-410d-8ead-4de0446aec7e sock=a0a4f044-b040-410d-8ead-4de0446aec7e err=null took=1.035804ms [36;1mmicroservices_root-front-end-1 [0m [0mGET /cart [32m200 [0m15.493 ms - - [0m [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/a0a4f044-b040-410d-8ead-4de0446aec7e [32m200 [0m18.474 ms - - [0m [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/holy_1.jpeg [32m200 [0m9.320 ms - 42201 [0m [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/holy_2.jpeg [32m200 [0m9.486 ms - 43812 [0m [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/colourful_socks.jpg [32m200 [0m9.351 ms - 486192 [0m [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/puma_1.jpeg [32m200 [0m9.645 ms - 39572 [0m [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/puma_2.jpeg [32m200 [0m12.673 ms - 41167 [0m [32mmicroservices_root-catalogue-1 [0m ts=2022-04-22T14:12:04Z caller=logging.go:62 method=Get id=a0a4f044-b040-410d-8ead-4de0446aec7e sock=a0a4f044-b040-410d-8ead-4de0446aec7e err=null took=811.2µs [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/a0a4f044-b040-410d-8ead-4de0446aec7e [32m200 [0m3.407 ms - - [0m [36;1mmicroservices_root-front-end-1 [0m [0mGET /catalogue/images/bit_of_leg_1.jpeg [32m200 [0m2.005 ms - 32388 [0m

Сделан Заказ
microservices_root-orders-1 microservices_root-payment-1 microservices_root-front-end-1 microservices_root-user-1

===== order shipped <http://127.0.0.1/customer-orders.html?>

```
[36;1mmicroservices_root-front-end-1 | [0m Request received with body: {}
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:13:16Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=431.665µs
[36;1mmicroservices_root-front-end-1 | [0m Received response: "{\"firstName\":\"andrey\",\"lastName\":\"last name\",\"username\":\"silverstandart\",\"id\":\"6262b609ee11cb00018f5e14\",\"_links\":{\"addresses\":{\"href\":\"http://user/customers/6262b609ee11cb00018f5e14/addresses\"},\"cards\":{\"href\":\"http://user/customers/6262b609ee11cb00018f5e14/cards\"},\"customer\":{\"href\":\"http://user/customers/6262b609ee11cb00018f5e14\"},\"self\":{\"href\":\"http://user/customers/6262b609ee11cb00018f5e14\"}}}\n"
[36;1mmicroservices_root-front-end-1 | [0m GET Request to: http://user/customers/6262b609ee11cb00018f5e14/addresses
[36;1mmicroservices_root-front-end-1 | [0m GET Request to: http://user/customers/6262b609ee11cb00018f5e14/cards
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:13:16Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=593.619µs
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:13:16Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=489.651µs
[36;1mmicroservices_root-front-end-1 | [0m Received response:
"{\"_embedded\":{\"address\":{\"street\":\"pobedy\",\"number\":\"5\",\"country\":\"Kazakhstan\",\"city\":\"Petropavlovsk\",\"postcode\":\"150000\",\"id\":\"6262b6f4ee11cb00018f5e15\"},\"_links\":{\"address\":{\"href\":\"http://user/addresses/6262b6f4ee11cb00018f5e15\"},\"self\":{\"href\":\"http://user/addresses/6262b6f4ee11cb00018f5e15\"}}}}\n"
[36;1mmicroservices_root-front-end-1 | [0m Received response: "{\"_embedded\":{\"card\":{\"longNum\":\"1111 1111 1111 1111\",\"expires\":\"07/23\",\"ccv\":\"379\",\"id\":\"6262b7b3ee11cb00018f5e16\"},\"_links\":{\"card\":{\"href\":\"http://user/cards/6262b7b3ee11cb00018f5e16\"},\"self\":{\"href\":\"http://user/cards/6262b7b3ee11cb00018f5e16\"}}}}\n"
[36;1mmicroservices_root-front-end-1 | [0m [ undefined, undefined ]
[36;1mmicroservices_root-front-end-1 | [0m Posting Order:
{"customer":"http://user/customers/6262b609ee11cb00018f5e14","address":"http://user/addresses/6262b6f4ee11cb00018f5e15","card":"http://user/cards/6262b7b3ee11cb00018f5e16","items":"http://carts/carts/6262b609ee11cb00018f5e14/items"}
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:13:16Z caller=middlewares.go:104 method=GetAddresses id=6262b6f4ee11cb00018f5e15 result=1 took=442.168µs
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:13:16Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=294.338µs
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:13:16Z caller=middlewares.go:134 method=GetCards id=6262b7b3ee11cb00018f5e16 result=1 took=436.209µs
[33;1mmicroservices_root-orders-1 | [0m 2022-04-22 14:13:16.585 INFO [orders,e0ca887083c70b7f,cc8ab723b077dafd,false] 7 --- [p-nio-80-exec-3] w.w.s.o.controllers.OrdersController : Sending payment request: PaymentRequest{address=Address{id=null, number='5', street='pobedy', city='Petropavlovsk', country='Kazakhstan', postcode='150000'}, card=Card{id=null, longNum='1111 1111 1111 1111', expires='07/23', ccv='379'}, customer=Customer{id=null, firstName='andrey', lastName='last name', username='silverstandart', addresses=[], cards=[]}}
[35;1mmicroservices_root-payment-1 | [0m ts=2022-04-22T14:13:16Z caller=logging.go:29 method=Authorise result=true took=1.112µs
[33;1mmicroservices_root-orders-1 | [0m 2022-04-22 14:13:16.594 INFO [orders,e0ca887083c70b7f,cc8ab723b077dafd,false] 7 --- [p-nio-80-exec-3] w.w.s.o.controllers.OrdersController : Received payment response: PaymentResponse{authorised=true, message=Payment authorised}
[33mmicroservices_root-shipping-1 | [0m Adding shipment to queue...
[34;1mmicroservices_root-queue-master-1 | [0m Received shipment task: 6262b609ee11cb00018f5e14
[34;1mmicroservices_root-queue-master-1 | [0m 2022-04-22 14:13:16.611 INFO 9 --- [ool-6-thread-23] w.weave.socks.queuemaster.DockerSpawner : Spawning new container
[36;1mmicroservices_root-front-end-1 | [0m Order response:
{"statusCode":201,"body":{"id":"6262b7fc02743900075adbd3","customerId":"6262b609ee11cb00018f5e14","customer":{"id":null,"firstName":"andrey","lastName":"last name","username":"silverstandart","addresses":[],"cards":[],"address":{"id":null,"number":"5","street":"pobedy","city":"Petropavlovsk","postcode":"150000","country":"Kazakhstan"},"card":{"id":null,"longNum":"1111 1111 1111 1111","expires":"07/23","ccv":"379"},"items":[{"id":"6262b10d08813b00080578a4","itemid":"a0a4f044-b040-410d-8ead-4de0446aec7e","quantity":1,"unitPrice":7.99},"shipment":{"id":"dddc6c3-b65d-4416-afd7-4b531cdacd24","name":"6262b609ee11cb00018f5e14","date":"2022-04-22T14:13:16.611+0000","total":12.98},"headers":{"x-application-context":"orders:80","content-type":"application/json;charset=UTF-8","transfer-encoding":"chunked","date":"Fri, 22 Apr 2022 14:13:16 GMT","connection":"close"},"request":{"uri":{"protocol":"http","slashes":true,"auth":null,"host":"orders","port":80,"hostname":"orders","hash":null,"search":null,"query":null,"pathname":"/orders","path":"/orders","href":"http://orders/orders"},"method":"POST","headers":{"accept":"application/json","content-type":"application/json","content-length":232}}}}
[36;1mmicroservices_root-front-end-1 | [0m Order response:
{"id":"6262b7fc02743900075adbd3","customerId":"6262b609ee11cb00018f5e14","customer":{"id":null,"firstName":"andrey","lastName":"last name","username":"silverstandart","addresses":[],"cards":[],"address":{"id":null,"number":"5","street":"pobedy","city":"Petropavlovsk","postcode":"150000","country":"Kazakhstan"},"card":{"id":null,"longNum":"1111 1111 1111 1111","expires":"07/23","ccv":"379"},"items":[{"id":"6262b10d08813b00080578a4","itemid":"a0a4f044-b040-410d-8ead-4de0446aec7e","quantity":1,"unitPrice":7.99},"shipment":{"id":"dddc6c3-b65d-4416-afd7-4b531cdacd24","name":"6262b609ee11cb00018f5e14","date":"2022-04-22T14:13:16.611+0000","total":12.98}}
[36;1mmicroservices_root-front-end-1 | [0m [0mPOST /orders [32m201 [0m104.732 ms -- [0m
[36;1mmicroservices_root-front-end-1 | [0m Attempting to delete cart for user: 6262b609ee11cb00018f5e14
[36;1mmicroservices_root-front-end-1 | [0m User cart deleted with status: 202
[36;1mmicroservices_root-front-end-1 | [0m [0mDELETE /cart [32m202 [0m15.007 ms -- [0m
[36;1mmicroservices_root-front-end-1 | [0m Request received with body: {}
[36;1mmicroservices_root-front-end-1 | [0m Request received: /cart, undefined
[36;1mmicroservices_root-front-end-1 | [0m Customer ID: 6262b609ee11cb00018f5e14
[32mmicroservices_root-user-1 | [0m ts=2022-04-22T14:13:16Z caller=middlewares.go:75 method=GetUsers id=6262b609ee11cb00018f5e14 result=1 took=1.483188ms
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /customers/sWOQwMAH5GifLMqYix9FXCMU9wOj252 [32m200 [0m8.711 ms -- [0m
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /cart [32m200 [0m15.672 ms -- [0m
[36;1mmicroservices_root-front-end-1 | [0m Received response: "{\n  \"_embedded\": {\n    \"customerOrders\": [\n      {\n        \"customerId\": \"6262b609ee11cb00018f5e14\",\n        \"customer\": {\n          \"firstName\": \"andrey\",\n          \"lastName\": \"last name\",\n          \"username\": \"silverstandart\",\n          \"addresses\": [ ],\n          \"cards\": [ ]\n        },\n        \"address\": {\n          \"number\": \"5\",\n          \"street\": \"pobedy\",\n          \"city\": \"Petropavlovsk\",\n          \"postcode\": \"150000\",\n          \"country\": \"Kazakhstan\"\n        },\n        \"card\": {\n          \"longNum\": \"1111 1111 1111 1111\",\n          \"expires\": \"07/23\",\n          \"ccv\": \"379\"\n        },\n        \"items\": [\n          {\n            \"itemid\": \"a0a4f044-b040-410d-8ead-4de0446aec7e\",\n            \"quantity\": 1,\n            \"unitPrice\": 7.99\n          },\n          {\n            \"name\": \"6262b609ee11cb00018f5e14\",\n            \"date\": \"2022-04-22T14:13:16.611+0000\",\n            \"total\": 12.98\n          }\n        ],\n        \"_links\": {\n          \"self\": {\n            \"href\": \"http://orders/orders/6262b7fc02743900075adbd3\"\n          },\n          \"order\": {\n            \"href\": \"http://orders/orders/6262b7fc02743900075adbd3\"\n          }\n        },\n        \"_links\": {\n          \"self\": {\n            \"href\": \"http://orders/orders/search/customerId?sort=date&custId=6262b609ee11cb00018f5e14\"\n          }\n        }\n      }\n    ]\n  }\n}"
[36;1mmicroservices_root-front-end-1 | [0m [0mGET /orders [32m201 [0m212.826 ms -- [0m
```

LOGs from DB

Create User

microservices_root-front-end-1 | [0m Posting Customer: {"username":"silverstandart","password":"infodba","email":"silversrandart@gmail.com","firstName":"andrey","lastName":"last name"}

Create Address

microservices_root-front-end-1 | [0m Posting Address: {"number":"5","street":"pobedy","city":"Petropavlovsk","postcode":"150000","country":"Kazakhstan","userID":"6262b609ee11cb00018f5e14"}

Create Bank Card

microservices_root-front-end-1 | [0m Posting Card: {"longNum":"1111 1111 1111 1111","expires":"07/23","ccv":"379","userID":"6262b609ee11cb00018f5e14"}

Create Order

microservices_root-front-end-1 | [0m POST to carts: http://carts/carts/sW0QwMAh5GifLMkqYix9FXCMU9wOj252/items body: {"itemId":"a0a4f044-b040-410d-8ead-4de0446aec7e","unitPrice":7.99}

Database definition and service implementation

[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] MongoDB starting : pid=1 port=27017 dbpath=/data/db 64-bit host=orders-db
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] db version v3.4.24
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] git version: 865b4f6a96d0f5425e39a18337105f33e8db504d
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] OpenSSL version: OpenSSL 1.0.2g 1 Mar 2016
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] allocator: tcmalloc
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] modules: none
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] build environment:
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] distmod: ubuntu1604
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] distarch: x86_64
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] target_arch: x86_64
[32;1mmicroservices_root-orders-db-1 | [0m 2022-04-22T11:48:04.927+0000 I CONTROL [initandlisten] options: {}

MySQL requests

Line 725: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:04.595269Z 0 [Warning] Gtid table is not ready to be used. Table 'mysql.gtid_executed' cannot be opened.
Line 728: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:05.912287Z 1 [Warning] 'user' entry 'mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 729: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:05.912307Z 1 [Warning] 'db' entry 'sys mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 731: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:05.912351Z 1 [Warning] 'tables_priv' entry 'sys_config mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 733: [35mmicroservices_root-catalogue-db-1 | [0m MySQL init process in progress...
Line 735: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.261953Z 0 [Note] mysqld (mysqld 5.7.17) starting as process 58 ...
Line 735: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.261953Z 0 [Note] mysqld (mysqld 5.7.17) starting as process 58 ...
Line 746: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.285930Z 0 [Note] InnoDB: If the mysqld execution user is authorized, page cleaner thread priority can be changed. See the man page of setpriority().
Line 757: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.396235Z 0 [Note] InnoDB: Loading buffer pool(s) from /var/lib/mysql/ib_buffer_pool
Line 759: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.400263Z 0 [Warning] 'user' entry 'mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 760: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.400413Z 0 [Warning] 'db' entry 'sys mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 762: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.401926Z 0 [Warning] 'tables_priv' entry 'sys_config mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 768: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:08.478575Z 0 [Note] mysqld: ready for connections.
Line 769: [35mmicroservices_root-catalogue-db-1 | [0m Version: '5.7.17' socket: '/var/run/mysqld/mysqld.sock' port: 0 MySQL Community Server (GPL)
Line 769: [35mmicroservices_root-catalogue-db-1 | [0m Version: '5.7.17' socket: '/var/run/mysqld/mysqld.sock' port: 0 MySQL Community Server (GPL)
Line 769: [35mmicroservices_root-catalogue-db-1 | [0m Version: '5.7.17' socket: '/var/run/mysqld/mysqld.sock' port: 0 MySQL Community Server (GPL)
Line 773: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:12.456709Z 5 [Warning] 'db' entry 'sys mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 775: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:12.456813Z 5 [Warning] 'tables_priv' entry 'sys_config mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 822: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:12.705589Z 0 [Note] InnoDB: Dumping buffer pool(s) to /var/lib/mysql/ib_buffer_pool
Line 832: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.217097Z 0 [Note] Shutting down plugin 'mysql_native_password'
Line 834: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.218892Z 0 [Note] mysqld: Shutdown complete
Line 837: [35mmicroservices_root-catalogue-db-1 | [0m MySQL init process done. Ready for start up.
Line 840: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.473559Z 0 [Note] mysqld (mysqld 5.7.17) starting as process 1 ...
Line 840: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.473559Z 0 [Note] mysqld (mysqld 5.7.17) starting as process 1 ...
Line 933: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.507999Z 0 [Note] InnoDB: If the mysqld execution user is authorized, page cleaner thread priority can be changed. See the man page of setpriority().
Line 948: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.648972Z 0 [Note] InnoDB: Loading buffer pool(s) from /var/lib/mysql/ib_buffer_pool

```
Line 950: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.663501Z 0 [Warning] 'db' entry 'sys mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 952: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.665554Z 0 [Warning] 'tables_priv' entry 'sys_config mysql.sys@localhost' ignored in --skip-name-resolve mode.
Line 957: [35mmicroservices_root-catalogue-db-1 | [0m 2022-04-22T11:48:14.735719Z 0 [Note] mysqld: ready for connections.
Line 958: [35mmicroservices_root-catalogue-db-1 | [0m Version: '5.7.17' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server (GPL)
Line 958: [35mmicroservices_root-catalogue-db-1 | [0m Version: '5.7.17' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server (GPL)
Line 958: [35mmicroservices_root-catalogue-db-1 | [0m Version: '5.7.17' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server (GPL)
```

2_destroy.sh

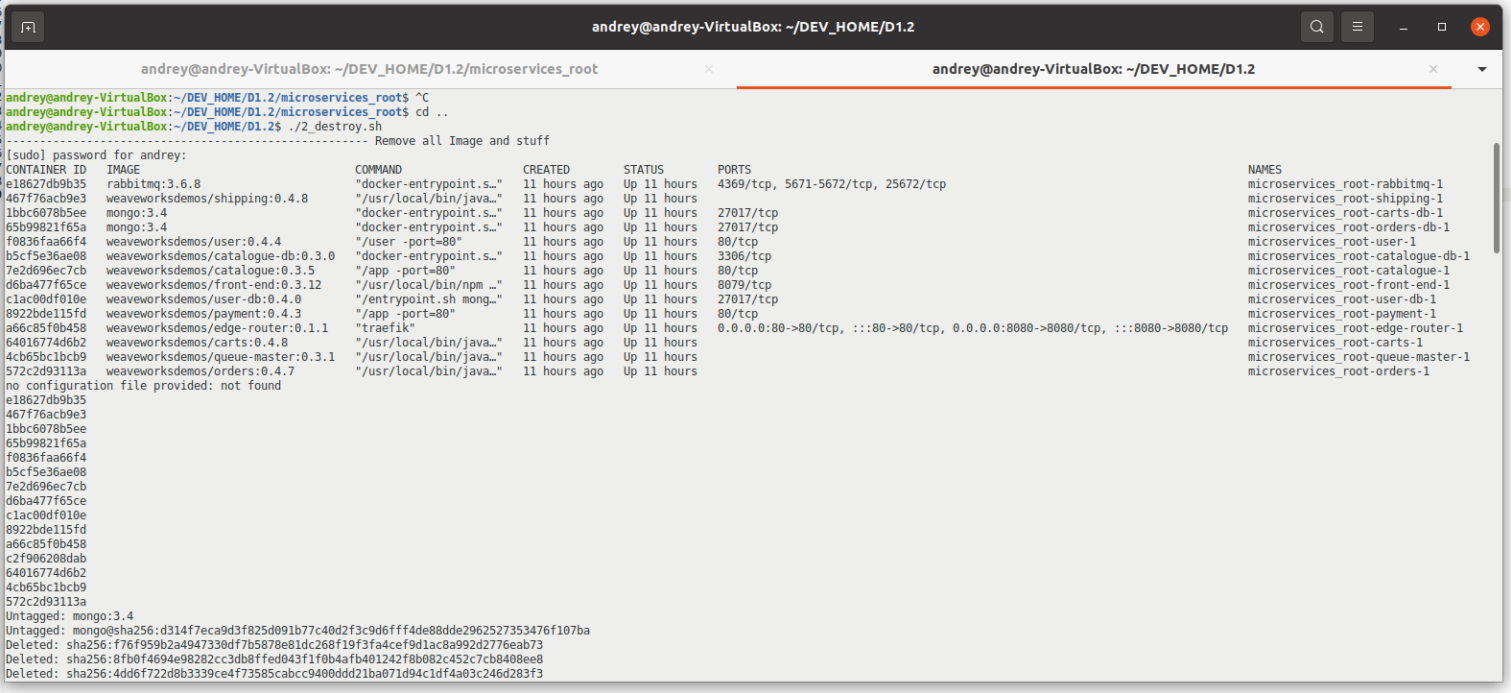
```
#!/bin/sh
# -----
# Test Remove all Containers and Images / 2022_04_22 / ANA
# -----

echo ----- Remove all Image and stuff

sudo chown -R andrey:sudo microservices_root

docker ps
docker compose ps
docker rm -v -f $(docker ps -qa)
docker image rm -f $(docker image ls -qa)
docker volume rm $(docker volume ls -q)
docker network rm $(docker network ls -q)

rm -rf microservices_root
```



```
andrey@andrey-VirtualBox: ~/DEV_HOME/D1.2
andrey@andrey-VirtualBox: ~/DEV_HOME/D1.2/microservices_root
Deleted: sha256:7cbbcac42c44c6c38559e5df3a494f44987333c8023a40fec48df2fce1fc146b
Untagged: weaveworksdemos/catalogue-db:0.3.0
Untagged: weaveworksdemos/catalogue-db@sha256:7ba74ec9adf80f6625b8d05d3323d1ee5232b39877e1590021ea485cf9457251
Deleted: sha256:9d0e5eb88949dc8a8896db19330770f100fa9c9426d3c2fa9cf84e68b40ac2e
Deleted: sha256:fb9b5930c27484962ac059c39c4d546ddc264d3f2531daa456ee19ef7563e1e
Deleted: sha256:597ae92858cfe843838c2f7b5768fb657d8e67aa46fa9313267c8fed1e5339f
Deleted: sha256:31913f2e2b61577119ac02c90a7c803355dc471880c6b0b9da09aef6efb60979
Deleted: sha256:f6d702dc6a290c6e5d7a53879f3b0251daa24d41924841f90543666d3e237ff5
Deleted: sha256:5105103084f4c6ec91437ffa86e7d2929a3ac53805eb585c378c7935c03c6b42
Deleted: sha256:50a36ecfeaf9b886268dd91785e88074b3f48447f9b9a3d90c7d56ad2b76a8c3
Deleted: sha256:12c2fd29169d6fb77177a6c892ac289df304a0694bc79c5f9939035c5f695f1e
Deleted: sha256:d8e952f68f5ab9766b5927174e52b8ff23e5c7427afcc30aef6cc53c24a4d4e3
Deleted: sha256:9042ef093af5246db36ff0103abb7e8d99797e06656fb5df053ca77370eb9
Deleted: sha256:c88bac17c414ebfb8d22b46b79d4c1fc4d16a4452c924c306cbec673d215d43
Deleted: sha256:30499d7d4e67556242cabe7be71bac2a94d7ff00972c6236475858a91b4b2a7
Untagged: weaveworksdemos/user-db:0.4.0
Untagged: weaveworksdemos/user-db@sha256:b43f0f8a76e0c908805fcec74d1ad7f4af4d93c4612632bd6dc20a87508e0b68
Deleted: sha256:196601f91030425db810fa57104b041e414b9b963923ad574e74700c3ea8213e
Deleted: sha256:dd42c335727798b479822f9a953fe09d3b2a30288ace987ed7cf413e43b46609
Deleted: sha256:7761d4218080159c3de47bc374324ad5a43985983f49f5dfc90760f5db5bef3
Deleted: sha256:9e88061de7cbb6c7e5cd4d00e144370df3fd0b864f835c0920945a61eddca28c
Deleted: sha256:bad90e8774b02ce321355123087ae7508fd2e6f88598df944bec327043556d3
Deleted: sha256:b67397cfc364ad61444f108413c11285dbec573b5da3d7784907e7d01471afa
Deleted: sha256:b568a42f513fbaea68a347d3f6e06483736edca744b35c9eb8d4c6a978e4afb6
Deleted: sha256:dfe26d01f28e6c0617cd0b0c5ac7d068f9b647c5ae419c8a2dd07bb52e408510
Deleted: sha256:145bf84338cd91de3cfbac10d8cd6c546542b52ebfa478f49136754eba340d
Deleted: sha256:3bb9ba6202c4ba9456ed2a892bbb75e8e606f6ba02f2fbae8db763c2ba2d5348
Deleted: sha256:4b9fb62069e0374467790b59f8e01bf90dab492b3e4bcf480b17bc7a43a05e7
Deleted: sha256:954fdfd51308dffc0c977aac1a1bf4a05056cd5c8a05c138e0b0219a7a0308e
Deleted: sha256:b6ca02dfe5e62c58dacb1dec16eb42ed35761c15562485f9da9364bb7c90b9b3
"docker volume rm" requires at least 1 argument.
See 'docker volume rm --help'.

Usage: docker volume rm [OPTIONS] VOLUME [VOLUME...]

Remove one or more volumes
Error response from daemon: bridge is a pre-defined network and cannot be removed
Error response from daemon: host is a pre-defined network and cannot be removed
6fd99fcd8bff
Error response from daemon: none is a pre-defined network and cannot be removed
andrey@andrey-VirtualBox:~/DEV_HOME/D1.2$
```

```
andrey@andrey-VirtualBox:~/DEV_HOME/D1.2$ docker compose ps
no configuration file provided: not found
andrey@andrey-VirtualBox:~/DEV_HOME/D1.2$
```