

Tools WebService Development Test

Development report

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Backend-database

```
docker exec -it dce98debd1d7d2f91aef336d80e3737864741e0f2018181ff23567c7ec456a41 /bin/sh

# mysql -uroot -proot
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.23 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use Inventory;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from item;
+-----+-----+-----+-----+-----+-----+
| idItem | idUser | name  | game  | expirationDate | quantity |
+-----+-----+-----+-----+-----+-----+
| 1      | 1      | item1 | game1 | 2012-08-12     | 1        |
| 2      | 1      | item2 | game2 | 2012-08-29     | 2        |
| 3      | 2      | item3 | game1 | 2012-08-20     | 3        |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

Backend-app

localhost:49163/TestDevWebService/services/index.html

GET /TestDevWebService/services/User/{idUser}

Parameters

Cancel

Name	Description
idUser * required integer (\$int32) (path)	<input type="text" value="2"/>

Execute Clear

Responses

Curl

```
curl -X GET "http://localhost:49163/TestDevWebService/services/User/2" -H "accept: application/xml"
```

Request URL

```
http://localhost:49163/TestDevWebService/services/User/2
```

Server response

Code Details

200

Response body

```
<User xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <username>ana</username>
  <item>
    <name>item3</name>
    <quantity>3</quantity>
    <expirationDate>2012-08-20T00:00:00</expirationDate>
    <game>game1</game>
  </item>
</User>
```

Download

Response headers

```
content-length: 259
content-type: application/xml; charset=utf-8
date: Sat 23 Jan 2021 04:10:16 GMT
server: Kestrel
```

Frontend-database

```
docker exec -it dff7e448c744a887d8438e9468180697d06b5fc482bc23e3586a2e07a7ae3bb5 /bin/sh

# mysql -uroot -proot
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 47
Server version: 8.0.23 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use Inventory;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from user
-> ;
+-----+-----+-----+-----+
| idUser | username | password | idRole |
+-----+-----+-----+-----+
|      1 | cecilia  | cecilia1 |      1 |
|      2 | ana      | ana1     |      2 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

Frontend-app



InventoryUI.Presentation Home

Login

UserName

Password

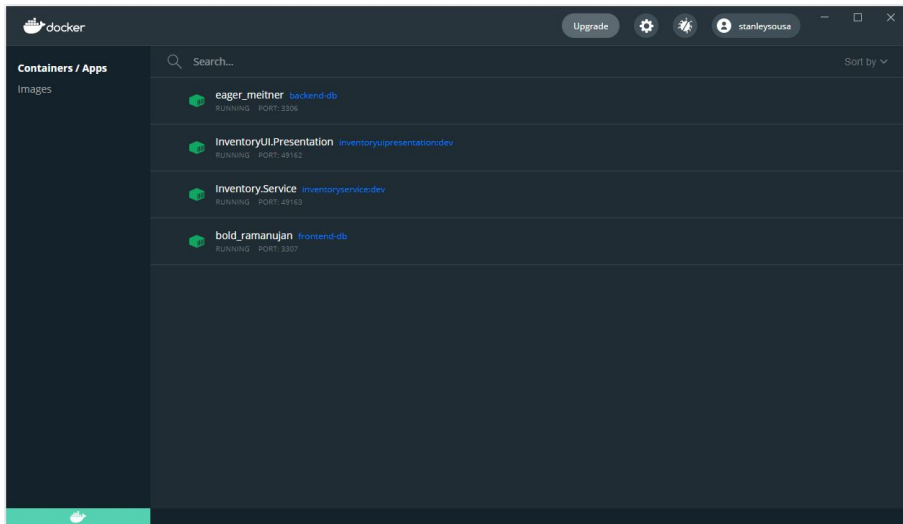
InventoryUI.Presentation Home

cecilia

Items in user inventory

```
[{"username":"cecilia","item":[{"name":"item1","quantity":"1","expirationDate":"2012-08-12T00:00:00","game":["game1"],"property":{"name":"name1","value":"value1"},"Text":null}, {"name":"item2","quantity":"2","expirationDate":"2012-08-29T00:00:00","game":["game2"],"property":{"name":"name3","value":"value3"},"Text":null}], {"username":"ana","item":[{"name":"item3","quantity":"3","expirationDate":"2012-08-20T00:00:00","game":["game1"],"property":null,"Text":null}]}
```

Docker-desktop



What is missing

- Render user and items on a proper UI component (i.e. Grid or Tree)
- Add buttons to load user itens on demmand when the logged user is Admin

Notes

- The WebService returns XML according to the provided UserItems schema
- A guide on how to start the programs can be found on the repository's readme
- The repository can be found at <https://github.com/stanleysousa/ubi-test>