1. При помощи команды *docker push* собранный в ходе ЛР3 образ разрабатываемого приложения загрузить в Docker hub

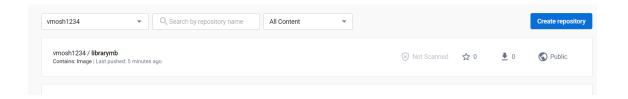
```
mvo201-331@mvo201331-VirtualBox:~$ sudo docker login -u vmosh1234
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
```

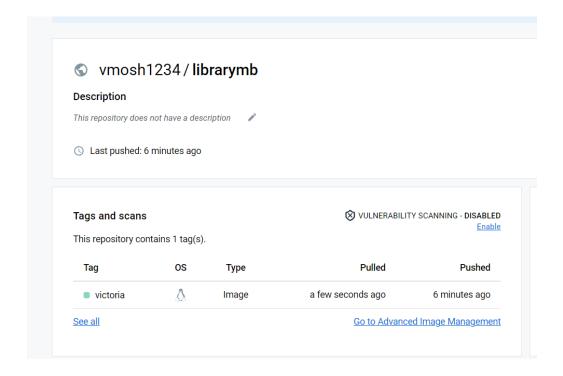
```
mvo201-331@mvo201331-VirtualBox:~/Library-MB/Ver_PK$ sudo docker ps
CONTAINER ID
                                                    CREATED
                                                                               Р
                          COMMAND
                                                                  STATUS
               IMAGE
                                                        NAMES
ORTS
b6e448b70e10
                          "docker-entrypoint.s..."
                                                                               5
               postgres
                                                    2 hours ago
                                                                  Up 2 hours
432/tcp, 0.0.0.0:33333->8080/tcp, :::33333->8080/tcp
                                                       db
```

```
mvo201-331@mvo201331-VirtualBox:~$ sudo docker commit b6e448b70e10 dockerid/myi
mage
sha256:05ad5e8439320d656209b27976476bef8b770af4ee2876ba15b404edbe45f1fb
```

```
mvo201-331@mvo201331-VirtualBox:~$ sudo docker tag sha256:05ad5e8439320d656209b
27976476bef8b770af4ee2876ba15b404edbe45f1fb vmosh1234/librarymb:victoria
mvo201-331@mvo201331-VirtualBox:~$ sudo docker push vmosh1234/librarymb:victori
The push refers to repository [docker.io/vmosh1234/librarymb]
9605458af903: Pushed
27343f8faca0: Pushed
0286e1f6a8d2: Pushed
c926c1dd1cb0: Pushed
6d355cf0466f: Pushed
aa83f3886c32: Pushed
4c3ab3c97fed: Pushed
3ffb66cf39e6: Pushed
f88d7ccc9c55: Pushed
ce7d6d9be0a2: Pushed
611d5cadbf0f: Pushed
289213eab643: Pushed
74ddad23bc40: Pushed
ec4a38999118: Pushed
victoria: digest: sha256:3a3e5d2bbe0fe7c5c77422dfb3a08fca6582045ed00fcc5478d226
da35155338 size: 3246
```

Проверим





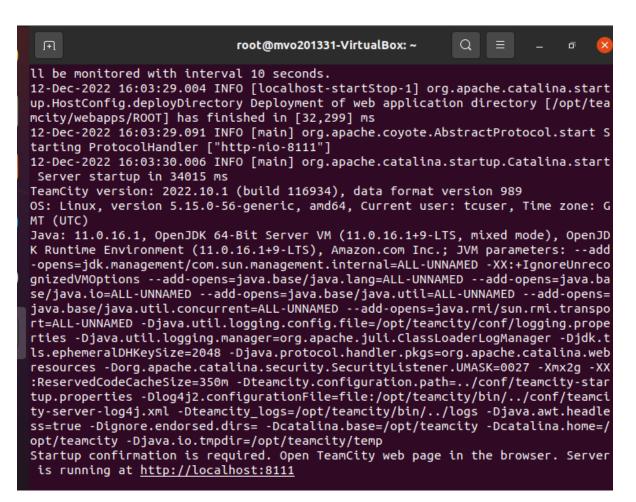
2. Загрузить с Docker Hub образ jetbrains/teamcity-server и развернуть его согласно инструкции на странице образа

https://hub.docker.com/r/jetbrains/teamcity-server

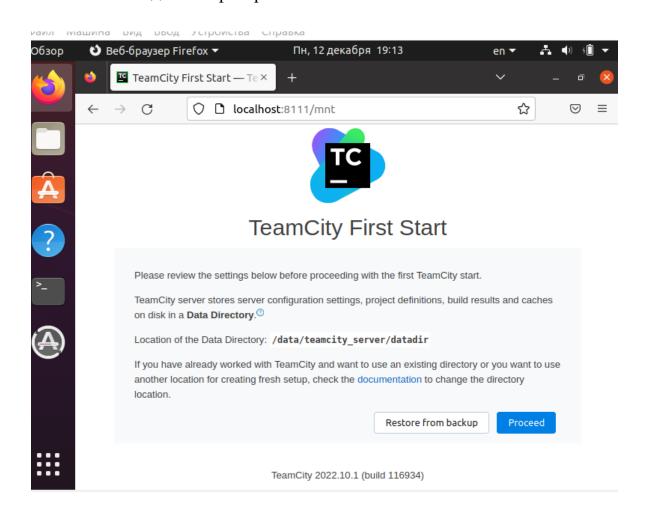
```
mvo201-331@mvo201331-VirtualBox:~$ sudo docker pull jetbrains/teamcity-server
[sudo] пароль для mvo201-331:
Using default tag: latest
latest: Pulling from jetbrains/teamcity-server
eaead16dc43b: Pull complete
3c5689131118: Pull complete
ff1a2f0c1b43: Pull complete
f7d3af3e1b8e: Pull complete
96092c1848a5: Pull complete
4e00fb47dba2: Pull complete
83c2aca3cf64: Pull complete
52d15add18c0: Pull complete
803f707c0e75: Pull complete
56f39961c9a9: Pull complete
Of4d33739633: Pull complete
909cbd6d9d7c: Pull complete
Digest: sha256:fee58634addb2fe3491153a5c623482a5793c6fe5171832854cca9db37ec0f51
Status: Downloaded newer image for jetbrains/teamcity-server:latest
docker.io/jetbrains/teamcity-server:latest
```

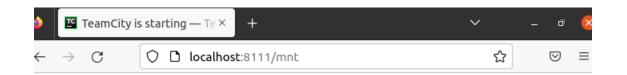
```
mvo201-331@mvo201331-VirtualBox:~$ mkdir -p teamcity
mvo201-331@mvo201331-VirtualBox:~$ mkdir teamcity/data
mvo201-331@mvo201331-VirtualBox:~$ mkdir teamcity/logs
mvo201-331@mvo201331-VirtualBox:~$ mkdir teamcity/agent
```

```
root@mvo201331-VirtualBox:~# sudo docker run --name teamcity-server-instance -v
/teamcity/data:/data/teamcity_server/datadir -v /teamcity/logs:/opt/teamcity/l
ogs -p 8111:8111 jetbrains/teamcity-server
/run-services.sh
/services/check-server-volumes.sh
/run-server.sh
TeamCity server.xml parameter: -config conf/server.xml
Java executable is found: '/opt/java/openjdk/bin/java'
2022-12-12 16:02:49 UTC: Starting TeamCity server
2022-12-12 16:02:49 UTC: TeamCity process PID is 118
NOTE: Picked up JDK_JAVA_OPTIONS: --add-opens jdk.management/com.sun.managemen
t.internal=ALL-UNNAMED -XX:+IgnoreUnrecognizedVMOptions --add-opens=java.base/j
ava.lang=ALL-UNNAMED --add-opens=java.base/java.io=ALL-UNNAMED --add-opens=java
.base/java.util=ALL-UNNAMED --add-opens=java.base/java.util.concurrent=ALL-UNNA
MED --add-opens=java.rmi/sun.rmi.transport=ALL-UNNAMED
12-Dec-2022 16:02:55.501 INFO [main] org.apache.catalina.startup.VersionLoggerL
istener.log Server version name:
                                  Apache Tomcat/8.5.82
12-Dec-2022 16:02:55.511 INFO [main] org.apache.catalina.startup.VersionLoggerL
istener.log Server built:
                                   Aug 8 2022 21:26:07 UTC
12-Dec-2022 16:02:55.511 INFO [main] org.apache.catalina.startup.VersionLoggerL
istener.log Server version number: 8.5.82.0
12-Dec-2022 16:02:55.512 INFO [main] org.apache.catalina.startup.VersionLoggerL
istener.log OS Name:
                                   Linux
12-Dec-2022 16:02:55.514 INFO [main] org.apache.catalina.startup.VersionLoggerL
```



3. Открыть веб-интерфейс развернутого приложения, завести пользователя-администратора





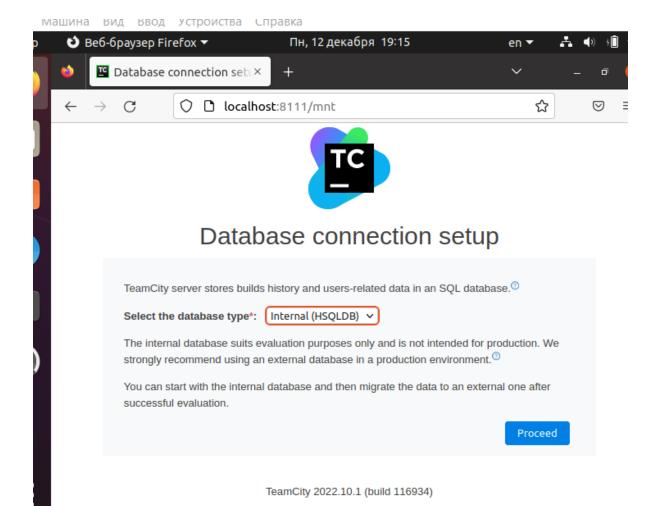


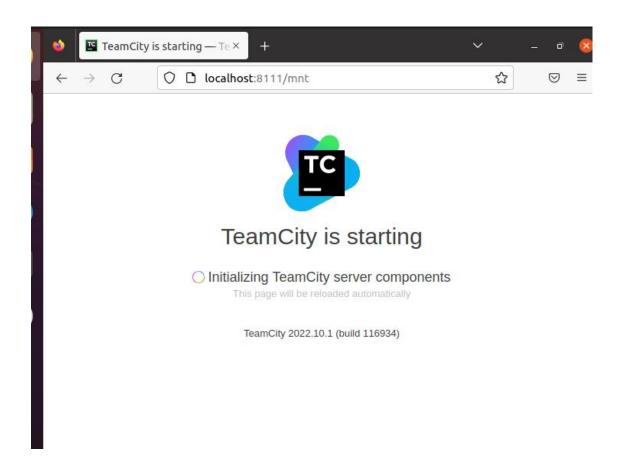
TeamCity is starting

Initializing the TeamCity Data Directory

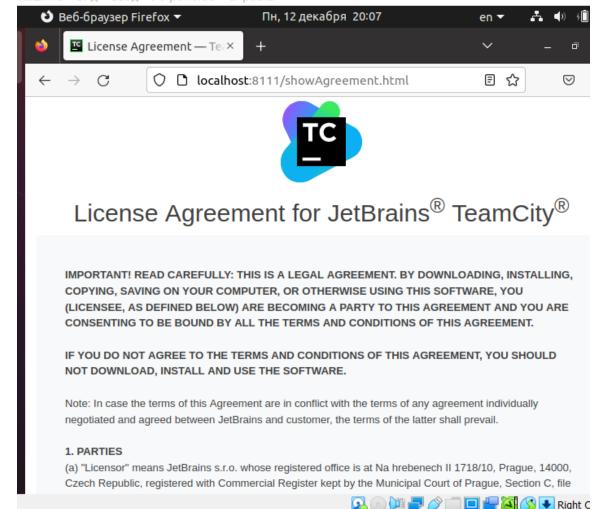
This page will be reloaded automatically

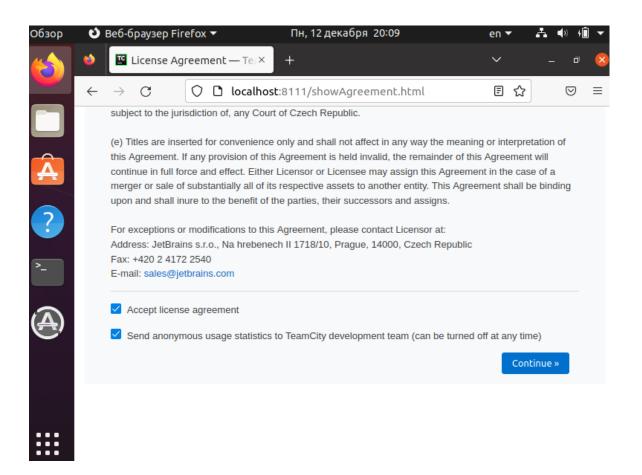
TeamCity 2022.10.1 (build 116934)









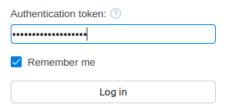


[TeamCity] Super user authentication token: 6656838521578492942 (use empty user name with the token as the password to access the server)
[2022-12-13 09:35:13,620] WARN [no auth; http-nio-8111-exec-9] - jetbrains .buildServer.SERVER - Attempt to open Setup Administrator page while server con figuration was completed. Request: GET '/setupAdmin.html', from client 172.17.0 .1:39930, no auth
[TeamCity] Super user authentication token: 6656838521578492942 (use empty user name with the token as the password to access the server)
[TeamCity] Super user authentication token: 6656838521578492942 (use empty user name with the token as the password to access the server)

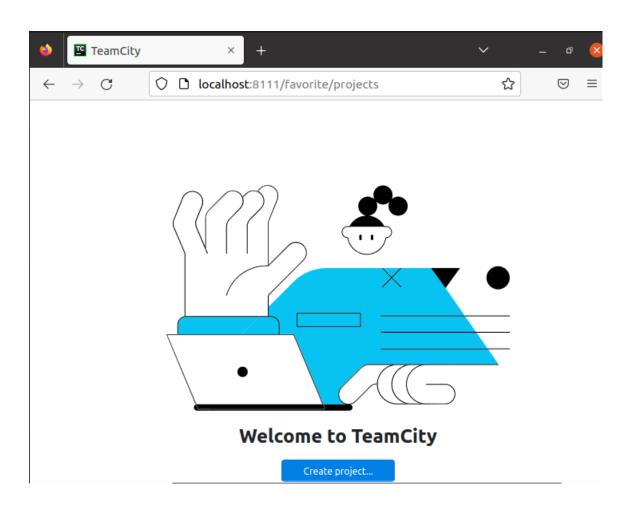




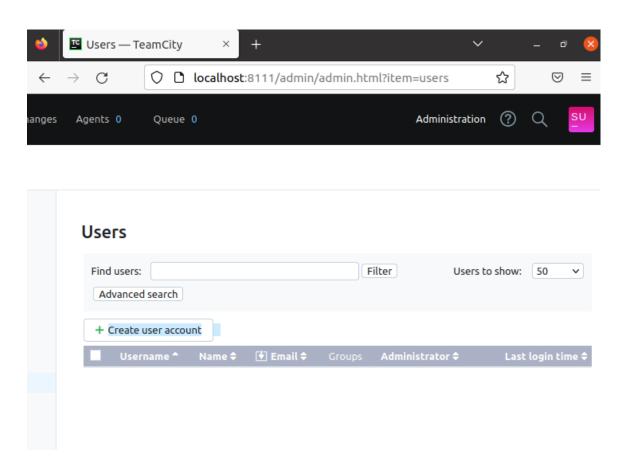
Log in as Super user

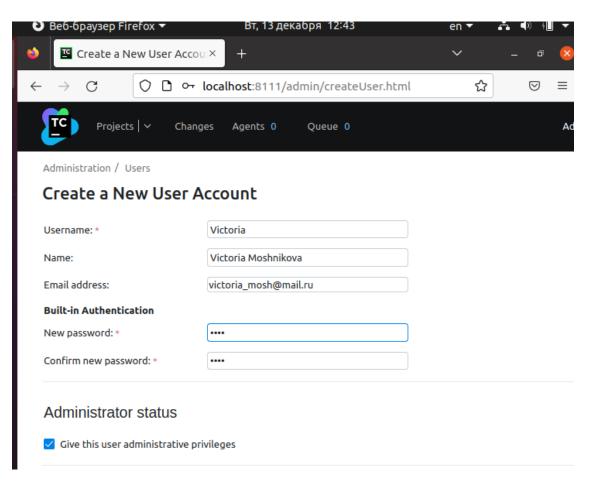


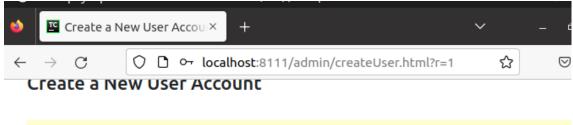
Version 2022.10.1 (build 116934)



4. В панели администрирования завести по одному пользователю для каждого члена команды







Username: * Daria

Name: Daria Balashova

Email address: balashova-darya2002@mail.ru

Built-in Authentication

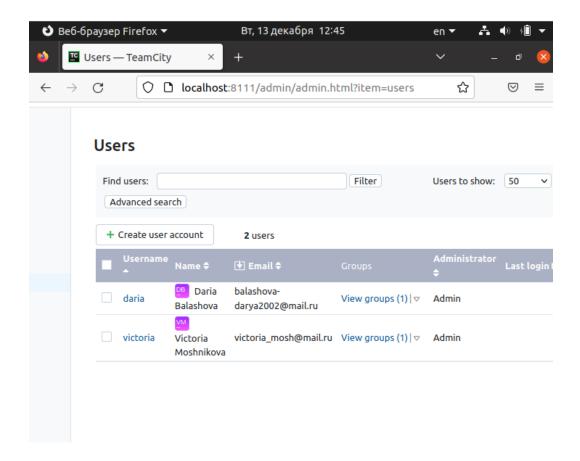
New password: * ••••

Confirm new password: * ••••

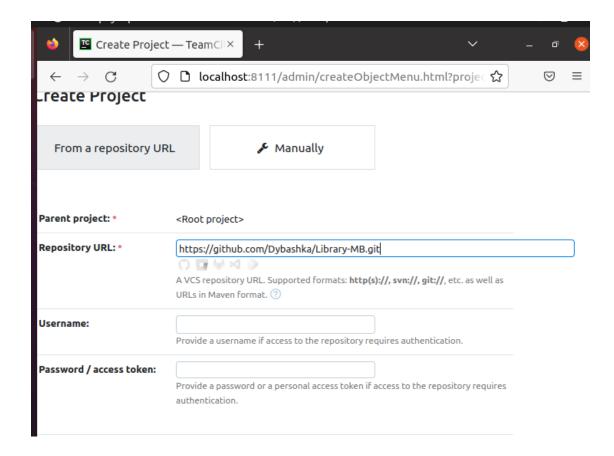
Administrator status

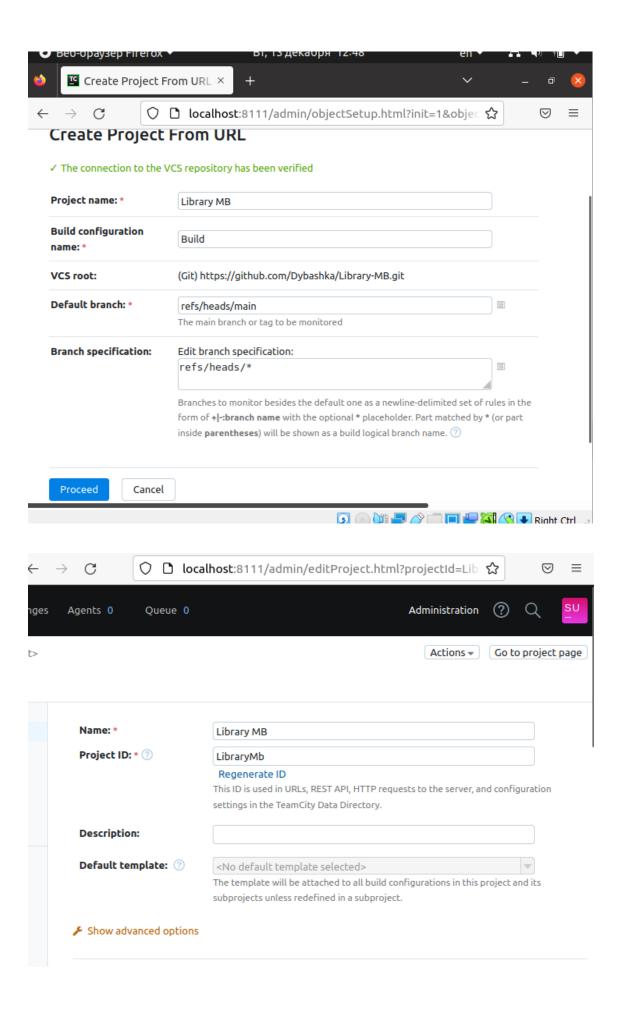
Give this user administrative privileges

Stay on this page to create more users after submit



5. Завести репозиторий в ТеатСіту, привязав репозиторий проекта





6. По выбору студента - либо из предложенных вариантов сборки, либо из реализованных студентом создать конфигурацию (последовательность шагов) для сборки разрабатываемого приложения (для всех веток) в Docker образ и отправки его в Docker Hub (для ветки «в разрабтке» (dev) и ветки «в эксплуатации» (prod))

