

Virtual TK1 Airport

Contributor

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Manual

In order to run the application, kindly follow the below steps:

1. Extract the ZIP file
2. From the project home directory, navigate to root folder where gradlew.bat file exists.
3. Open a new terminal in the project home and run 'gradlew runServerApp' (this will launch the object server)
4. Open a new terminal in the project home and run 'gradlew runClientApp' (this will launch one object client, you can launch more clients by open another terminal and execute this command again)

Note: When you launch server at the second time, it might occur the problem highly possible incurred by the port being used. This problem, however, can be easily solved by kill 'javaw.exe' task in the Task Manger -> Details

Running screenshot

1. Executing gradlew runServerApp

```
tk1-ex1>gradlew runServerApp
Starting a Gradle Daemon, 2 incompatible and 1 stopped Daemons could not be reused, use --status for details
> Task :compileJava
Note: W:\Hausarbeit\Informatik_Local\TK1\tk1-ex1-template\tk1-ex1\src\main\java\view\ClientApp.java uses unchecked or un
safe operations.
Note: Recompile with -Xlint:unchecked for details.

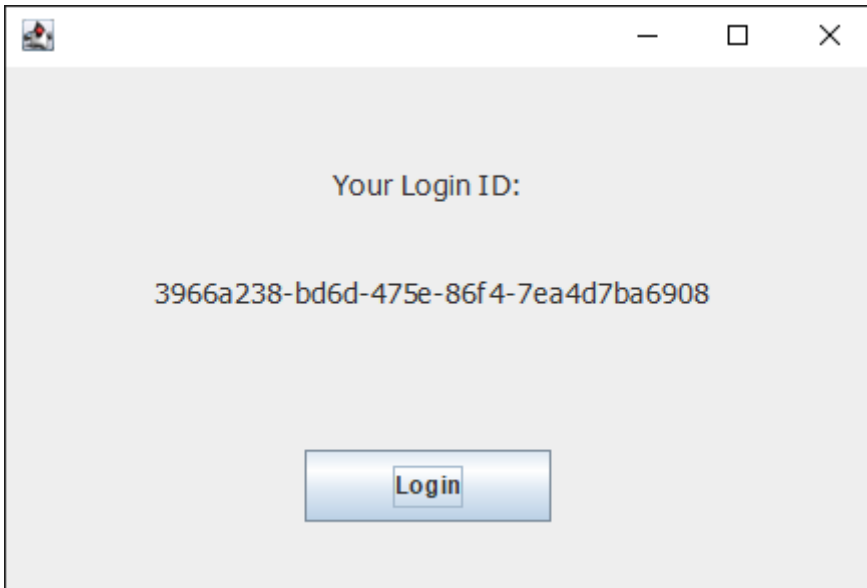
> Task :runServerApp
Nov 23, 2021 1:12:12 PM FlightServer main
INFO: Server is ready
<=====--> 75% EXECUTING [24s]
> :runServerApp
```

2. Executing gradlew runClientApp

```
\tk1-ex1>gradlew runClientApp
Starting a Gradle Daemon, 1 busy and 1 incompatible and 1 stopped Daemons could not be reused, use --status for details
> Task :runClientApp
Nov 23, 2021 1:13:36 PM FlightClient connectRMIServer
INFO: List of set flights: 0

Deprecated Gradle features were used in this build, making it incompatible with Gradle 7.0.
Use '--warning-mode all' to show the individual deprecation warnings.
See https://docs.gradle.org/6.3/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 30s
2 actionable tasks: 1 executed, 1 up-to-date
```





Operating Airp...	IATA Code	Tracking Num...	Departure Air...	Arrival Airport	Terminal	Schedule d Ti...	Estimate d Time
Tfchgmml	MZ	755	IBG	EBZ	5	2021-10-17T0...	2021-10-18T1...
Eyeabp	MW	537	YXC	WDK	9	2021-10-12T2...	2021-10-13T1...
Usozglqku	OK	135	JYP	RSI	2	2021-10-21T2...	2021-10-30T1...
Rvok	ZL	186	UBU	JYA	6	2021-10-28T0...	2021-10-26T2...
Ogwhlj	YX	084	JUL	IKW	9	2021-11-04T1...	2021-10-20T1...
Bicgshfi	OQ	568	MPA	WXW	9	2021-11-01T1...	2021-11-10T1...
Rkfkqwahi	BD	338	TEG	KJD	6	2021-10-19T0...	2021-10-29T0...
Juo	ZP	496	YTF	CHC	9	2021-10-13T0...	2021-11-08T0...
Gqh	KX	183	HDB	CLV	4	2021-11-09T1...	2021-10-30T2...
Phje	IT	687	WRP	GXI	5	2021-11-06T0...	2021-10-26T1...

Modify

Delete

Add

Logout

IATA CODE	<input type="text" value="OQ"/>	Operating ...	<input type="text" value="Bicgshfi"/>
Aircraft Mo...	<input type="text" value="M162"/>		
Tracking N...	<input type="text" value="568"/>		
Depatrure ...	<input type="text" value="MPA"/>	Arrival Airp...	<input type="text" value="WXW"/>
Origin Date	<input type="text" value="2021-11-06"/>		
Scheduled ...	<input type="text" value="2021-11-01T14:45:21.743"/>	Scheduled_...	<input type="text" value="2021-11-05T15:43:02.964"/>
Departure ...	<input type="text" value="9"/>	Arrival Ter...	<input type="text" value="6"/>
Departure ...	<input type="text" value="450"/>	Arrival Gates	<input type="text" value="463"/>
Estimated ...	<input type="text" value="2021-11-10T15:57:30.462"/>	Estimated ...	<input type="text" value="2021-10-27T23:26:38.686"/>
check-in Lo...	<input type="text" value="3"/>		
check-in Co...	<input type="text" value="741-885"/>		
check-in St...	<input type="text" value="2021-11-04T23:33:20.040"/>	check-in End	<input type="text" value="2021-10-11T16:09:26.631"/>
Flight_Status	<input type="text" value="D"/>		
		<input type="button" value="Apply"/>	<input type="button" value="Cancel"/>

Problem:

Port 10999 is already in use.

SEVERE: Server exception

[java.rmi.server.ExportException](#): Port already in use: 10999; nested exception is:

[java.net.BindException](#): Address already in use: NET_Bind

at java.rmi/sun.rmi.transport.tcp.TCPTransport.listen([TCPTransport.java:335](#))

at java.rmi/sun.rmi.transport.tcp.TCPTransport.exportObject([TCPTransport.java:243](#))

at java.rmi/sun.rmi.transport.tcp.TCPEndpoint.exportObject([TCPEndpoint.java:412](#))

at java.rmi/sun.rmi.transport.LiveRef.exportObject([LiveRef.java:147](#))

at java.rmi/sun.rmi.server.UnicastServerRef.exportObject([UnicastServerRef.java:234](#))

at java.rmi/sun.rmi.registry.RegistryImpl.setup([RegistryImpl.java:220](#))

at java.rmi/sun.rmi.registry.RegistryImpl.<init>([RegistryImpl.java:205](#))




at java.rmi/java.rmi.registry.LocateRegistry.createRegistry([LocateRegistry.java:203](#))

at FlightServer.main([FlightServer.java:144](#))

Caused by: [java.net.BindException](#): Address already in use: NET_Bind

Solution:

Kill all tasks named java* as follow

 java.exe	11204	Running
 javaw.exe	13556	Running
 javaw.exe	7668	Running