

PROJETO 02 CLIENTE SERVIDOR

Alunos:

Guilherme Koga Pereira – RGM:29678056

Gabriel Chaves Medeiro – RGM:29751161

Lucas do Santos Antunes – RGM: 29682231

<https://github.com/GCMedeiro/Projeto2ClienteServidor.git>

```
1 #!/bin/sh
2 #
3 # Licensed to the Apache Software Foundation (ASF)
4 # under one or more contributor license agreements. See the
5 # NOTICE file
6 # distributed with this work for additional
7 # information
8 # regarding copyright ownership. The ASF licenses
9 # this file
10 # to you under the Apache License, Version 2.0 (the
11 # "License"); you may not use this file except in
12 # compliance
13 # with the License. You may obtain a copy of the
14 # License at
15 #
16 #     https://www.apache.org/licenses/LICENSE-2.0
17 #
18 # Unless required by applicable law or agreed to in
19 # writing,
20 # software distributed under the License is
21 # distributed on an
22 # "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF
23 # ANY
24 # KIND, either express or implied. See the License
25 # for the
26 # specific language governing permissions and
27 # limitations
28 # under the License.
29 #
30 #
31 #
32 # Apache Maven Wrapper startup batch script, version
33 # 3.2.0
34 #
35 # Required ENV vars:
36 #
37 # JAVA_HOME - location of a JDK home dir
```

```
27 #
28 # Optional ENV vars
29 #
30 # MAVEN_OPTS - parameters passed to the Java VM
31 # when running Maven
32 # e.g. to debug Maven itself, use
33 #       set MAVEN_OPTS=-Xdebug -Xrunjdwp:transport=
34 #           dt_socket,server=y,suspend=y,address=8000
35 # MAVEN_SKIP_RC - flag to disable loading of
36 # mavenrc files
37 #
38 #
39 #
40 #
41 #
42 #
43 #
44 #
45 #
46 #
47 #
48 #
49 #
50 #
51 #
52 # OS specific support. $var _must_ be set to either
53 # true or false.
54 cygwin=false;
55 darwin=false;
56 mingw=false
57 case "$(uname)" in
58   CYGWIN*) cygwin=true ;;
59   MINGW*) mingw=true;;
60   Darwin*) darwin=true
61     # Use /usr/libexec/java_home if available,
62     # otherwise fall back to /Library/Java/Home
63     # See https://developer.apple.com/library/mac/qa/
```

```

61 qa1170/_index.html
62     if [ -z "$JAVA_HOME" ]; then
63         if [ -x "/usr/libexec/java_home" ]; then
64             JAVA_HOME=$((/usr/libexec/java_home));
65             export JAVA_HOME
66         else
67             JAVA_HOME="/Library/Java/Home"; export
68             JAVA_HOME
69         fi
70     esac
71
72 if [ -z "$JAVA_HOME" ] ; then
73     if [ -r /etc/gentoo-release ] ; then
74         JAVA_HOME=$(java-config --jre-home)
75     fi
76 fi
77
78 # For Cygwin, ensure paths are in UNIX format before
    anything is touched
79 if $cygwin ; then
80     [ -n "$JAVA_HOME" ] &&
81     JAVA_HOME=$(cygpath --unix "$JAVA_HOME")
82     [ -n "$CLASSPATH" ] &&
83     CLASSPATH=$(cygpath --path --unix "$CLASSPATH")
84 fi
85
86 # For Mingw, ensure paths are in UNIX format before
    anything is touched
87 if $mingw ; then
88     [ -n "$JAVA_HOME" ] && [ -d "$JAVA_HOME" ] &&
89     JAVA_HOME=$(cd "$JAVA_HOME" || (echo "cannot cd
        into $JAVA_HOME."; exit 1); pwd)"
90 fi
91
92 if [ -z "$JAVA_HOME" ]; then
93     javaExecutable=$(which javac)
94     if [ -n "$javaExecutable" ] && ! [ "$(expr "\"
        $javaExecutable\" : '\([^\]*\)')" = "no" ]; then
95         # readlink(1) is not available as standard on

```

```

95 Solaris 10.
96     readLink=$(which readlink)
97     if [ ! "$expr \"$readLink\" : '\\"([^\ ]*\')'" = "no
98   ]; then
99     if $darwin ; then
100       javaHome=$(dirname "\$javaExecutable\"")
101       javaExecutable=$(cd "\$javaHome\" && pwd
102 -P)/javac"
103     else
104       javaExecutable=$(readlink -f "\$javaExecutable\"")
105     fi
106     javaHome=$(dirname "\$javaExecutable\"")
107     javaHome=$(expr "$javaHome" : '\(.*/\)/bin')
108     JAVA_HOME="$javaHome"
109     export JAVA_HOME
110   fi
111 fi
112 if [ -z "$JAVACMD" ] ; then
113   if [ -n "$JAVA_HOME" ] ; then
114     if [ -x "$JAVA_HOME/jre/sh/java" ] ; then
115       # IBM's JDK on AIX uses strange locations for
116       # the executables
117       JAVACMD="$JAVA_HOME/jre/sh/java"
118     else
119       JAVACMD="$JAVA_HOME/bin/java"
120     fi
121   else
122     JAVACMD="$(\unset -f command 2>/dev/null; \
123   command -v java)"
124   fi
125 fi
126 if [ ! -x "$JAVACMD" ] ; then
127   echo "Error: JAVA_HOME is not defined correctly."
128   >&2
129   echo "  We cannot execute $JAVACMD" >&2
130   exit 1
131 fi

```

```

130
131 if [ -z "$JAVA_HOME" ] ; then
132   echo "Warning: JAVA_HOME environment variable is
133     not set."
134 fi
135 # traverses directory structure from process work
136 # directory to filesystem root
137 # first directory with .mvn subdirectory is
138 # considered project base directory
139 find_maven_basedir() {
140   if [ -z "$1" ]
141   then
142     echo "Path not specified to find_maven_basedir"
143     return 1
144   fi
145   basedir="$1"
146   wdir="$1"
147   while [ "$wdir" != '/' ] ; do
148     if [ -d "$wdir/.mvn" ] ; then
149       basedir=$wdir
150       break
151     fi
152   # workaround for JBEAP-8937 (on Solaris 10/Sparc
153   )
154   if [ -d "${wdir}" ]; then
155     wdir=$(cd "${wdir}/.." || exit 1; pwd)
156   fi
157   # end of workaround
158 done
159 printf '%s' "$(cd "$basedir" || exit 1; pwd)"
160 }
161 concat_lines() {
162   if [ -f "$1" ]; then
163     # Remove \r in case we run on Windows within Git
164     # Bash
165     # and check out the repository with auto CRLF
166     # management

```

```
165      # enabled. Otherwise, we may read lines that are
166      # delimited with
167      # \r\n and produce $'-Xarg\r' rather than -Xarg
168      # due to word
169      # splitting rules.
170      tr -s '\r\n' ' ' < "$1"
171  fi
172 }
173
174 log() {
175     if [ "$MVNW_VERBOSE" = true ]; then
176         printf '%s\n' "$1"
177     fi
178 }
179
180 BASE_DIR=$(find_maven_basedir "$(dirname "$0")")
181 if [ -z "$BASE_DIR" ]; then
182     exit 1;
183 fi
184
185 MAVEN_PROJECTBASEDIR=${MAVEN_BASEDIR:-"$BASE_DIR"};
186 export MAVEN_PROJECTBASEDIR
187 log "$MAVEN_PROJECTBASEDIR"
188
189 ######
190 # Extension to allow automatically downloading the
191 # maven-wrapper.jar from Maven-central
192 # This allows using the maven wrapper in projects
193 # that prohibit checking in binary data.
194 #####
195
196 wrapperJarPath="$MAVEN_PROJECTBASEDIR/.mvn/wrapper/
197 maven-wrapper.jar"
198 if [ -r "$wrapperJarPath" ]; then
199     log "Found $wrapperJarPath"
200 else
201     log "Couldn't find $wrapperJarPath, downloading
202 it ..."
203
204     if [ -n "$MVNW_REPOURL" ]; then
```

```

197     wrapperUrl="$MVNW_REPOURL/org/apache/maven/
198         wrapper/maven-wrapper/3.2.0/maven-wrapper-3.2.0.jar"
199     else
200         wrapperUrl="https://repo.maven.apache.org/
201             maven2/org/apache/maven/wrapper/maven-wrapper/3.2.0/
202                 maven-wrapper-3.2.0.jar"
203     fi
204     while IFS="=" read -r key value; do
205         # Remove '\r' from value to allow usage on
206         # windows as IFS does not consider '\r' as a separator
207         # ( considers space, tab, new line ('\n'), and custom
208         # '=' )
209         safeValue=$(echo "$value" | tr -d '\r')
210         case "$key" in
211             wrapperUrl) wrapperUrl="$safeValue"; break ;;
212         esac
213     done < "$MAVEN_PROJECTBASEDIR/.mvn/wrapper/maven-
214         -wrapper.properties"
215     log "Downloading from: $wrapperUrl"
216
217     if $cygwin; then
218         wrapperJarPath=$(cygpath --path --windows "$wrapperJarPath")
219     fi
220
221     if command -v wget > /dev/null; then
222         log "Found wget ... using wget"
223         [ "$MVNW_VERBOSE" = true ] && QUIET="" ||
224             QUIET="--quiet"
225         if [ -z "$MVNW_USERNAME" ] || [ -z "$MVNW_PASSWORD" ]; then
226             wget $QUIET "$wrapperUrl" -O "$wrapperJarPath" ||
227                 rm -f "$wrapperJarPath"
228         else
229             wget $QUIET --http-user="$MVNW_USERNAME"
230                 --http-password="$MVNW_PASSWORD" "$wrapperUrl" -O "$wrapperJarPath" ||
231                     rm -f "$wrapperJarPath"
232         fi
233     elif command -v curl > /dev/null; then
234         log "Found curl ... using curl"
235         [ "$MVNW_VERBOSE" = true ] && QUIET="" ||

```

```

223 QUIET="--silent"
224     if [ -z "$MVNW_USERNAME" ] || [ -z "$MVNW_PASSWORD" ]; then
225         curl $QUIET -o "$wrapperJarPath" "$wrapperUrl" -f -L || rm -f "$wrapperJarPath"
226     else
227         curl $QUIET --user "$MVNW_USERNAME:$MVNW_PASSWORD" -o "$wrapperJarPath" "$wrapperUrl" -f -L || rm -f "$wrapperJarPath"
228     fi
229   else
230     log "Falling back to using Java to download"
231     javaSource="$MAVEN_PROJECTBASEDIR/.mvn/wrapper/MavenWrapperDownloader.java"
232     javaClass="$MAVEN_PROJECTBASEDIR/.mvn/wrapper/MavenWrapperDownloader.class"
233     # For Cygwin, switch paths to Windows format
234     # before running javac
235     if $cygwin; then
236       javaSource=$(cygpath --path --windows "$javaSource")
237       javaClass=$(cygpath --path --windows "$javaClass")
238     fi
239     if [ -e "$javaSource" ]; then
240       if [ ! -e "$javaClass" ]; then
241         log "- Compiling MavenWrapperDownloader.java ..."
242         ("$JAVA_HOME/bin/javac" "$javaSource")
243       fi
244       if [ -e "$javaClass" ]; then
245         log "- Running MavenWrapperDownloader.java ..."
246         ("$JAVA_HOME/bin/java" -cp .mvn/wrapper MavenWrapperDownloader "$wrapperUrl" "$wrapperJarPath") || rm -f "$wrapperJarPath"
247       fi
248     fi
249 fi

```

```

250 ######
######
251 # End of extension
252 ######
#####
253
254 # If specified, validate the SHA-256 sum of the
# Maven wrapper jar file
255 wrapperSha256Sum=""
256 while IFS="=" read -r key value; do
257   case "$key" in
258     wrapperSha256Sum) wrapperSha256Sum=$value; break ;;
259   esac
260 done < "$MAVEN_PROJECTBASEDIR/.mvn/wrapper/maven-
wrapper.properties"
261 if [ -n "$wrapperSha256Sum" ]; then
262   wrapperSha256Result=false
263   if command -v sha256sum > /dev/null; then
264     if echo "$wrapperSha256Sum $wrapperJarPath" |
265       sha256sum -c > /dev/null 2>&1; then
266       wrapperSha256Result=true
267     fi
268   elif command -v shasum > /dev/null; then
269     if echo "$wrapperSha256Sum $wrapperJarPath" |
270       shasum -a 256 -c > /dev/null 2>&1; then
271       wrapperSha256Result=true
272     fi
273   else
274     echo "Checksum validation was requested but
neither 'sha256sum' or 'shasum' are available."
275     echo "Please install either command, or disable
validation by removing 'wrapperSha256Sum' from your
maven-wrapper.properties."
276     exit 1
277   fi
278   if [ $wrapperSha256Result = false ]; then
279     echo "Error: Failed to validate Maven wrapper
SHA-256, your Maven wrapper might be compromised."
280     >&2
281     echo "Investigate or delete $wrapperJarPath to
attempt a clean download." >&2

```

```
278     echo "If you updated your Maven version, you
279         need to update the specified wrapperSha256Sum
280         property." >&2
281     exit 1
282 fi
283 MAVEN_OPTS=$(concat_lines "$MAVEN_PROJECTBASEDIR/.
284 mvn/jvm.config") $MAVEN_OPTS"
285 # For Cygwin, switch paths to Windows format before
286 # running java
286 if $cygwin; then
287     [ -n "$JAVA_HOME" ] &&
288         JAVA_HOME=$(cygpath --path --windows "$JAVA_HOME"
289     )
290     [ -n "$CLASSPATH" ] &&
291         CLASSPATH=$(cygpath --path --windows "$CLASSPATH"
292     )
293     [ -n "$MAVEN_PROJECTBASEDIR" ] &&
294         MAVEN_PROJECTBASEDIR=$(cygpath --path --windows
295         "$MAVEN_PROJECTBASEDIR")
296 fi
297 # Provide a "standardized" way to retrieve the CLI
298 # args that will
299 # work with both Windows and non-Windows executions.
300 MAVEN_CMD_LINE_ARGS="$MAVEN_CONFIG $*"
301 export MAVEN_CMD_LINE_ARGS
302
303 WRAPPER_LAUNCHER=org.apache.maven.wrapper.
304 MavenWrapperMain
305
306 # shellcheck disable=SC2086 # safe args
307 exec "$JAVACMD" \
308     $MAVEN_OPTS \
309     $MAVEN_DEBUG_OPTS \
310     -classpath "$MAVEN_PROJECTBASEDIR/.mvn/wrapper/
311     maven-wrapper.jar" \
312     "-Dmaven.multiModuleProjectDirectory=${
313     MAVEN_PROJECTBASEDIR}" \
```

```
308 ${WRAPPER_LAUNCHER} $MAVEN_CONFIG "$@"
309
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-
4             instance"
5             xsi:schemaLocation="http://maven.apache.org/
6             POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.
7             xsd">
8     <modelVersion>4.0.0</modelVersion>
9
10    <parent>
11        <groupId>org.springframework.boot</groupId>
12        <artifactId>spring-boot-starter-parent</
13            artifactId>
14            <version>3.1.4</version>
15        </parent>
16
17    <groupId>br.com.aula</groupId>
18    <artifactId>LojaGames</artifactId>
19    <version>0.0.1-SNAPSHOT</version>
20    <name>LojaGames</name>
21    <description>LojaGames</description>
22
23    <properties>
24        <java.version>17</java.version>
25    </properties>
26
27    <dependencies>
28
29        <dependency>
30            <groupId>org.springframework.boot</
31                groupId>
32                <artifactId>spring-boot-starter-data-jpa</
33                    artifactId>
34            </dependency>
35
36        <dependency>
37            <groupId>org.springframework.boot</
38                groupId>
39                <artifactId>spring-boot-starter-web</
40                    artifactId>
41            </dependency>
42
43    </dependencies>
```

```
34
35         <dependency>
36             <groupId>org.springframework.boot</
37                 groupId>
38                 <artifactId>spring-boot-devtools</
39                     artifactId>
40                     <scope>runtime</scope>
41                     <optional>true</optional>
42             </dependency>
43
44             <dependency>
45                 <groupId>com.h2database</groupId>
46                 <artifactId>h2</artifactId>
47                 <scope>runtime</scope>
48             </dependency>
49
50             <dependency>
51                 <groupId>com.mysql</groupId>
52                 <artifactId>mysql-connector-j</artifactId>
53             >
54                 <scope>runtime</scope>
55             </dependency>
56
57             <dependency>
58                 <groupId>org.projectlombok</groupId>
59                 <artifactId>lombok</artifactId>
60                 <optional>true</optional>
61             </dependency>
62
63             <dependency>
64                 <groupId>org.springframework.boot</
65                     groupId>
66                     <artifactId>spring-boot-starter-test</
67                         artifactId>
68                         <scope>test</scope>
69                     </dependency>
70             <dependency>
71                 <groupId>org.hibernate</groupId>
72                 <artifactId>hibernate-entitymanager</
73                     artifactId>
74                     <version>5.6.15.Final</version>
```

```
69      </dependency>
70      <dependency>
71          <groupId>org.hibernate</groupId>
72          <artifactId>hibernate-core</artifactId>
73          <version>6.3.1.Final</version>
74          <type>pom</type>
75      </dependency>
76
77  </dependencies>
78
79  <build>
80      <plugins>
81          <plugin>
82              <groupId>org.springframework.boot</
83                  <groupId>
84                      <artifactId>spring-boot-maven-plugin
85
86                      <configuration>
87                          <excludes>
88                              <exclude>
89                                  <groupId>org.
87 projectlombok</groupId>
88
90
91
92
93
94      </build>
95
96  </project>
97
```

1 @REM

2 @REM Licensed to the Apache Software Foundation (ASF)
) under one

3 @REM or more contributor license agreements. See the
 NOTICE file

4 @REM distributed with this work for additional
 information

5 @REM regarding copyright ownership. The ASF licenses
 this file

6 @REM to you under the Apache License, Version 2.0 (the

7 @REM "License"); you may not use this file except in
 compliance

8 @REM with the License. You may obtain a copy of the
 License at

9 @REM

10 @REM <https://www.apache.org/licenses/LICENSE-2.0>

11 @REM

12 @REM Unless required by applicable law or agreed to
 in writing,

13 @REM software distributed under the License is
 distributed on an

14 @REM "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS
 OF ANY

15 @REM KIND, either express or implied. See the
 License for the

16 @REM specific language governing permissions and
 limitations

17 @REM under the License.

18 @REM

19

20 @REM

21 @REM Apache Maven Wrapper startup batch script,
 version 3.2.0

22 @REM

```

23 @REM Required ENV vars:
24 @REM JAVA_HOME - location of a JDK home dir
25 @REM
26 @REM Optional ENV vars
27 @REM MAVEN_BATCH_ECHO - set to 'on' to enable the
echoing of the batch commands
28 @REM MAVEN_BATCH_PAUSE - set to 'on' to wait for a
keystroke before ending
29 @REM MAVEN_OPTS - parameters passed to the Java VM
when running Maven
30 @REM e.g. to debug Maven itself, use
31 @REM set MAVEN_OPTS=-Xdebug -Xrunjdwp:transport=
dt_socket,server=y,suspend=y,address=8000
32 @REM MAVEN_SKIP_RC - flag to disable loading of
mavenrc files
33 @REM
-----  

-----  

34
35 @REM Begin all REM lines with '@' in case
MAVEN_BATCH_ECHO is 'on'
36 @echo off
37 @REM set title of command window
38 title %0
39 @REM enable echoing by setting MAVEN_BATCH_ECHO to '
on'
40 @if "%MAVEN_BATCH_ECHO%" == "on" echo %
MAVEN_BATCH_ECHO%
41
42 @REM set %HOME% to equivalent of $HOME
43 if "%HOME%" == "" (set "HOME=%HOMEDRIVE%%HOMEPATH%")
44
45 @REM Execute a user defined script before this one
46 if not "%MAVEN_SKIP_RC%" == "" goto skipRcPre
47 @REM check for pre script, once with legacy .bat
ending and once with .cmd ending
48 if exist "%USERPROFILE%\mavenrc_pre.bat" call "%
USERPROFILE%\mavenrc_pre.bat" %*
49 if exist "%USERPROFILE%\mavenrc_pre.cmd" call "%
USERPROFILE%\mavenrc_pre.cmd" %*
50 :skipRcPre

```

```
51
52 @setlocal
53
54 set ERROR_CODE=0
55
56 REM To isolate internal variables from possible post
      scripts, we use another setlocal
57 @setlocal
58
59 REM ===== START VALIDATION =====
60 if not "%JAVA_HOME%" == "" goto OkJHome
61
62 echo.
63 echo Error: JAVA_HOME not found in your environment.
      >&2
64 echo Please set the JAVA_HOME variable in your
      environment to match the >&2
65 echo location of your Java installation. >&2
66 echo.
67 goto error
68
69 :OkJHome
70 if exist "%JAVA_HOME%\bin\java.exe" goto init
71
72 echo.
73 echo Error: JAVA_HOME is set to an invalid directory
      . >&2
74 echo JAVA_HOME = "%JAVA_HOME%" >&2
75 echo Please set the JAVA_HOME variable in your
      environment to match the >&2
76 echo location of your Java installation. >&2
77 echo.
78 goto error
79
80 REM ===== END VALIDATION =====
81
82 :init
83
84 REM Find the project base dir, i.e. the directory
      that contains the folder ".mvn".
85 REM Fallback to current working directory if not
```

```
85 found.
86
87 set MAVEN_PROJECTBASEDIR=%MAVEN_BASEDIR%
88 IF NOT "%MAVEN_PROJECTBASEDIR%"=="" goto
endDetectBaseDir
89
90 set EXEC_DIR=%CD%
91 set WDIR=%EXEC_DIR%
92 :findBaseDir
93 IF EXIST "%WDIR%\.\mvn" goto baseDirFound
94 cd ..
95 IF "%WDIR%"=="%CD%" goto baseDirNotFound
96 set WDIR=%CD%
97 goto findBaseDir
98
99 :baseDirFound
100 set MAVEN_PROJECTBASEDIR=%WDIR%
101 cd "%EXEC_DIR%"
102 goto endDetectBaseDir
103
104 :baseDirNotFound
105 set MAVEN_PROJECTBASEDIR=%EXEC_DIR%
106 cd "%EXEC_DIR%"
107
108 :endDetectBaseDir
109
110 IF NOT EXIST "%MAVEN_PROJECTBASEDIR%\.\mvn\jvm.config"
" goto endReadAdditionalConfig
111
112 @setlocal EnableExtensions EnableDelayedExpansion
113 for /F "usebackq delims=" %%a in ("%  
MAVEN_PROJECTBASEDIR%\.\mvn\jvm.config") do set
JVM_CONFIG_MAVEN_PROPS=!JVM_CONFIG_MAVEN_PROPS! %%a
114 @endlocal & set JVM_CONFIG_MAVEN_PROPS=%
JVM_CONFIG_MAVEN_PROPS%
115
116 :endReadAdditionalConfig
117
118 SET MAVEN_JAVA_EXE="%JAVA_HOME%\bin\java.exe"
119 set WRAPPER_JAR="%MAVEN_PROJECTBASEDIR%\.\mvn\wrapper  
\maven-wrapper.jar"
```

```
120 set WRAPPER_LAUNCHER=org.apache.maven.wrapper.  
    MavenWrapperMain  
121  
122 set WRAPPER_URL="https://repo.maven.apache.org/  
    maven2/org/apache/maven/wrapper/maven-wrapper/3.2.0/  
    maven-wrapper-3.2.0.jar"  
123  
124 FOR /F "usebackq tokens=1,2 delims==" %%A IN ("%  
    MAVEN_PROJECTBASEDIR%\mvn\wrapper\maven-wrapper.  
    properties") DO (  
125     IF "%%%A%"=="wrapperUrl" SET WRAPPER_URL=%%%B  
126 )  
127  
128 @REM Extension to allow automatically downloading  
    the maven-wrapper.jar from Maven-central  
129 @REM This allows using the maven wrapper in projects  
    that prohibit checking in binary data.  
130 if exist %WRAPPER_JAR% (  
131     if "%MVNW_VERBOSE%" == "true" (  
132         echo Found %WRAPPER_JAR%  
133     )  
134 ) else (  
135     if not "%MVNW_REPOURL%" == "" (  
136         SET WRAPPER_URL="%MVNW_REPOURL%/org/apache/  
        maven/wrapper/maven-wrapper/3.2.0/maven-wrapper-3.2.  
        0.jar"  
137     )  
138     if "%MVNW_VERBOSE%" == "true" (  
139         echo Couldn't find %WRAPPER_JAR%,  
        downloading it ...  
140         echo Downloading from: %WRAPPER_URL%  
141     )  
142  
143     powershell -Command "&{  
144         $webclient = new-object System.Net.  
        WebClient;"^  
145         "if (-not ([string]::IsNullOrEmpty('%  
        MVNW_USERNAME%')) -and [string]::IsNullOrEmpty('%  
        MVNW_PASSWORD%'))) {"^  
146             "$webclient.Credentials = new-object System.  
            Net.NetworkCredential('%MVNW_USERNAME%', '%
```

```

146 MVNW_PASSWORD%');"^
147     "}"^
148     "[Net.ServicePointManager]::SecurityProtocol
149     = [Net.SecurityProtocolType]::Tls12; $webclient.
150     DownloadFile('%WRAPPER_URL%', '%WRAPPER_JAR%')"^
151     "}"
152     if "%MVNW_VERBOSE%" == "true" (
153         echo Finished downloading %WRAPPER_JAR%
154     )
155 )
156 @REM End of extension
157
158 @REM If specified, validate the SHA-256 sum of the
159 Maven wrapper jar file
160 SET WRAPPER_SHA_256_SUM=""
161 FOR /F "usebackq tokens=1,2 delims==" %%A IN ("%MAVEN_PROJECTBASEDIR%\mvn\wrapper\maven-wrapper.properties") DO (
162     IF "%%%A"=="wrapperSha256Sum" SET
163     WRAPPER_SHA_256_SUM=%B
164 )
165 IF NOT %WRAPPER_SHA_256_SUM%==""
166     powershell -Command "&{"
167         "$hash = (Get-FileHash \\"%WRAPPER_JAR%\"
168             Algorithm SHA256).Hash.ToLower();" ^
169             "If('%WRAPPER_SHA_256_SUM%' -ne $hash){" ^
170                 " Write-Output 'Error: Failed to validate
171                 Maven wrapper SHA-256, your Maven wrapper might be
172                 compromised.';" ^
173                 " Write-Output 'Investigate or delete %
174                 WRAPPER_JAR% to attempt a clean download.';" ^
175                 " Write-Output 'If you updated your Maven
176                 version, you need to update the specified
177                 wrapperSha256Sum property.';" ^
178                 " exit 1;" ^
179             "}" ^
180         "}"
181     if ERRORLEVEL 1 goto error
182 )
183
184 @REM Provide a "standardized" way to retrieve the

```

```
174 CLI args that will
175 @REM work with both Windows and non-Windows
   executions.
176 set MAVEN_CMD_LINE_ARGS=%*
177
178 %MAVEN_JAVA_EXE% ^
179   %JVM_CONFIG_MAVEN_PROPS% ^
180   %MAVEN_OPTS% ^
181   %MAVEN_DEBUG_OPTS% ^
182   -classpath %WRAPPER_JAR% ^
183   "-Dmaven.multiModuleProjectDirectory=%
      MAVEN_PROJECTBASEDIR%" ^
184   %WRAPPER_LAUNCHER% %MAVEN_CONFIG% %*
185 if ERRORLEVEL 1 goto error
186 goto end
187
188 :error
189 set ERROR_CODE=1
190
191 :end
192 @endlocal & set ERROR_CODE=%ERROR_CODE%
193
194 if not "%MAVEN_SKIP_RC%"=="" goto skipRcPost
195 @REM check for post script, once with legacy .bat
   ending and once with .cmd ending
196 if exist "%USERPROFILE%\mavenrc_post.bat" call "%
      USERPROFILE%\mavenrc_post.bat"
197 if exist "%USERPROFILE%\mavenrc_post.cmd" call "%
      USERPROFILE%\mavenrc_post.cmd"
198 :skipRcPost
199
200 @REM pause the script if MAVEN_BATCH_PAUSE is set to
   'on'
201 if "%MAVEN_BATCH_PAUSE%"=="on" pause
202
203 if "%MAVEN_TERMINATE_CMD%"=="on" exit %ERROR_CODE%
204
205 cmd /C exit /B %ERROR_CODE%
206
```

```
1 HELP.md
2 target/
3 ! .mvn/wrapper/maven-wrapper.jar
4 ! **/src/main/**/target/
5 ! **/src/test/**/target/
6
7 ### STS ###
8 .apt_generated
9 .classpath
10 .factorypath
11 .project
12 .settings
13 .springBeans
14 .sts4-cache
15
16 ### IntelliJ IDEA ###
17 .idea
18 *.iws
19 *.iml
20 *.ipr
21
22 ### NetBeans ###
23 /nbproject/private/
24 /nbbuild/
25 /dist/
26 /nbdist/
27 /.nb-gradle/
28 build/
29 ! **/src/main/**/build/
30 ! **/src/test/**/build/
31
32 ### VS Code ###
33 .vscode/
34
```

```
1 package br.com.aula.lojagames;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.
5 SpringBootApplication;
6
7 @SpringBootApplication
8 public class LojaGamesApplication {
9     public static void main(String[] args) {
10         SpringApplication.run(LojaGamesApplication.
11         class, args);
12     }
13 }
14 }
15 }
```

```
1 package br.com.aula.lojagames.web.controller;
2
3 import br.com.aula.lojagames.entity.Jogo;
4 import br.com.aula.lojagames.service.JogoService;
5 import lombok.RequiredArgsConstructor;
6 import org.springframework.http.HttpStatus;
7 import org.springframework.http.ResponseEntity;
8 import org.springframework.web.bind.annotation.*;
9
10 import java.util.List;
11
12 @RequiredArgsConstructor
13 @RestController
14 @RequestMapping("jogos")
15 public class JogoController {
16
17     private final JogoService jogoService;
18
19     @PostMapping
20     public ResponseEntity<Jogo> create(@RequestBody
21         Jogo jogo) {
22         Jogo jogoCriado = jogoService.salvar(jogo);
23         return ResponseEntity.status(HttpStatus.
24             CREATED).body(jogoCriado);
25     }
26
27     @GetMapping
28     public ResponseEntity<List<Jogo>> getAll() {
29         List<Jogo> jogos = jogoService.buscarTodos();
30         return ResponseEntity.ok(jogos);
31     }
32
33     @GetMapping("/{id}")
34     public ResponseEntity<Jogo> getById(@PathVariable
35         Long id) {
36         Jogo jogo = jogoService.buscarPorId(id);
37         return ResponseEntity.ok(jogo);
38     }
39
40     @PatchMapping("/{id}")
41     public ResponseEntity<Jogo> updateInfo(@
```

```
38 PathVariable Long id, @RequestBody Jogo
  jogoAtualizado) {
39         Jogo jogo = jogoService.editarInformacoes(id
  , jogoAtualizado);
40         return ResponseEntity.ok(jogo);
41     }
42
43     @DeleteMapping("/{id}")
44     ResponseEntity<String> deleteById(@
  PathVariable Long id) {
45         try {
46             jogoService.excluirPorId(id);
47             return ResponseEntity.ok("Jogo excluído
  com sucesso.");
48         } catch (RuntimeException e) {
49             return ResponseEntity.status(HttpStatus.
  NOT_FOUND).body(e.getMessage());
50         }
51     }
52
53 }
54
```

```
1 package br.com.aula.lojagames.entity;
2
3 import jakarta.persistence.*;
4 import lombok.Getter;
5 import lombok.NoArgsConstructor;
6 import lombok.Setter;
7
8 import java.io.Serializable;
9 import java.util.Objects;
10
11 @Getter @Setter @NoArgsConstructor
12 @Entity
13 @Table(name = "jogos")
14 public class Jogo implements Serializable {
15     @Id
16     @GeneratedValue(strategy = GenerationType.
17         IDENTITY)
17     @Column(name = "id")
18     private Long id;
19
20     @Column(name = "nome", nullable = false, length
21     = 100)
21     private String nome;
22
23     @Column(name = "genero", nullable = false, length
24     = 100)
24     private String genero;
25
26     @Column(name = "ano_lancamento")
27     private Integer anoLancamento;
28
29     @Override
30     public boolean equals(Object o) {
31         if (this == o) return true;
32         if (o == null || getClass() != o.getClass())
33             return false;
33         Jogo jogo = (Jogo) o;
34         return Objects.equals(id, jogo.id);
35     }
36
37     @Override
```

```
38     public int hashCode() {
39         return Objects.hash(id);
40     }
41
42     @Override
43     public String toString(){
44         return "Jogo{" +
45             "id=" + id +
46             ", nome=\"" + nome + '\"' +
47             ", genero=\"" + genero + '\"' +
48             ", anoLancamento=" + anoLancamento +
49             '}';
50     }
51 }
52
```

```
1 package br.com.aula.lojagames.service;
2
3 import br.com.aula.lojagames.entity.Jogo;
4 import br.com.aula.lojagames.repository.
5 JogoRepository;
6 import lombok.RequiredArgsConstructor;
7 import org.springframework.stereotype.Service;
8 import org.springframework.transaction.annotation.
9 Transactional;
10
11 @RequiredArgsConstructor
12 @Service
13 public class JogoService {
14
15     private final JogoRepository jogoRepository;
16
17     @Transactional
18     public Jogo salvar(Jogo jogo) {
19         return jogoRepository.save(jogo);
20     }
21
22     @Transactional(readOnly = true)
23     public Jogo buscarPorId(Long id) {
24         return jogoRepository.findById(id).
25 orElseThrow(
26             () -> new RuntimeException("## JOGO
27             NÃO ENCONTRADO ##"))
28     }
29
30     @Transactional(readOnly = true)
31     public List<Jogo> buscarTodos() {
32         return jogoRepository.findAll();
33     }
34
35     @Transactional
36     public Jogo editarInformacoes(Long id, Jogo
jogoAtualizado) {
37         Jogo jogo = buscarPorId(id);
```

```
37         if (jogoAtualizado.getNome() != null) {
38             jogo.setNome(jogoAtualizado.getNome());
39         }
40
41         if (jogoAtualizado.getGenero() != null) {
42             jogo.setGenero(jogoAtualizado.getGenero
43         );
44         }
45         if (jogoAtualizado.getAnoLancamento() != null
46     ) {
47             jogo.setAnoLancamento(jogoAtualizado.
48             getAnoLancamento());
49         }
50
51     @Transactional
52     public void excluirPorId(Long id) {
53         Jogo jogo = buscarPorId(id);
54
55         if (jogo == null) {
56             throw new RuntimeException("Jogo com ID "
57             + id + " não encontrado.");
58         }
59         jogoRepository.delete(jogo);
60     }
61
62 }
```

```
1 package br.com.aula.lojagames.repository;
2
3 import br.com.aula.lojagames.entity.Jogo;
4 import org.springframework.data.jpa.repository.
5 JpaRepository;
6
7 public interface JogoRepository extends JpaRepository
8 <Jogo, Long> {
```

```
1 server.port=3500
2
3 spring.jpa.show-sql=true
4 spring.jpa.properties.hibernate.format_sql=false
5 spring.jpa.hibernate.ddl-auto=update
6
7 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
8 spring.datasource.url=jdbc:mysql://localhost:3306/dbjogo?useSSL=false&allowPublicKeyRetrieval=true&server
9 spring.datasource.username=root
10 spring.datasource.password=root
```

```
1 package br.com.aula.lojagames;
2
3 import org.junit.jupiter.api.Test;
4 import org.springframework.boot.test.context.
5 SpringBootTest;
6
7 @SpringBootTest
8 class ProjetoLivrariaApplicationTests {
9
10     @Test
11     void contextLoads() {
12
13 }
14
```

```
1 server.port=3500
2
3 spring.jpa.show-sql=true
4 spring.jpa.properties.hibernate.format_sql=false
5 spring.jpa.hibernate.ddl-auto=update
6
7 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
8 spring.datasource.url=jdbc:mysql://localhost:3306/dbjogo?useSSL=false&allowPublicKeyRetrieval=true&server
9 spring.datasource.username=root
10 spring.datasource.password=root
```

```
1 //
2 // Source code recreated from a .class file by
3 // IntelliJ IDEA
4 // (powered by FernFlower decompiler)
5
6 package br.com.aula.lojagames;
7
8 import org.springframework.boot.SpringApplication;
9 import org.springframework.boot.autoconfigure.
SpringBootApplication;
10
11 @SpringBootApplication
12 public class LojaGamesApplication {
13     public LojaGamesApplication() {
14     }
15
16     public static void main(String[] args) {
17         SpringApplication.run(LojaGamesApplication.
class, args);
18     }
19 }
20
```

```
1 //
2 // Source code recreated from a .class file by
3 // IntelliJ IDEA
4 //
5
6 package br.com.aula.lojagames.web.controller;
7
8 import br.com.aula.lojagames.entity.Jogo;
9 import br.com.aula.lojagames.service.JogoService;
10 import java.util.List;
11 import org.springframework.http.HttpStatus;
12 import org.springframework.http.ResponseEntity;
13 import org.springframework.web.bind.annotation.
DeleteMapping;
14 import org.springframework.web.bind.annotation.
GetMapping;
15 import org.springframework.web.bind.annotation.
PatchMapping;
16 import org.springframework.web.bind.annotation.
PathVariable;
17 import org.springframework.web.bind.annotation.
PostMapping;
18 import org.springframework.web.bind.annotation.
RequestBody;
19 import org.springframework.web.bind.annotation.
RequestMapping;
20 import org.springframework.web.bind.annotation.
RestController;
21
22 @RestController
23 @RequestMapping({"jogos"})
24 public class JogoController {
25     private final JogoService jogoService;
26
27     @PostMapping
28     public ResponseEntity<Jogo> create(@RequestBody
Jogo jogo) {
29         Jogo jogoCriado = this.jogoService.salvar(
jogo);
30         return ResponseEntity.status(HttpStatus.
```

```
30 CREATED).body(jogoCriado);
31 }
32
33     @GetMapping
34     public ResponseEntity<List<Jogo>> getAll() {
35         List<Jogo> jogos = this.jogoService.
36             buscarTodos();
37         return ResponseEntity.ok(jogos);
38     }
39
39     @GetMapping("/{id}")
40     public ResponseEntity<Jogo> getById(@PathVariable
41         Long id) {
42         Jogo jogo = this.jogoService.buscarPorId(id);
43         return ResponseEntity.ok(jogo);
44     }
45
45     @PatchMapping("/{id}")
46     public ResponseEntity<Jogo> updateInfo(@
47         PathVariable Long id, @RequestBody Jogo
48         jogoAtualizado) {
49         Jogo jogo = this.jogoService.
50             editarInformacoes(id, jogoAtualizado);
51         return ResponseEntity.ok(jogo);
52     }
53
51     @DeleteMapping("/{id}")
52     public ResponseEntity<String> deleteById(@
53         PathVariable Long id) {
54         try {
55             this.jogoService.excluirPorId(id);
56             return ResponseEntity.ok("Jogo excluído
57             com sucesso.");
58         } catch (RuntimeException var3) {
59             return ResponseEntity.status(HttpStatus.
60                 NOT_FOUND).body(var3.getMessage());
61         }
62     }
61     public JogoController(final JogoService
62         jogoService) {
```

```
62         this.jogoService = jogoService;  
63     }  
64 }  
65
```

```
1 //
2 // Source code recreated from a .class file by
3 // IntelliJ IDEA
4 // (powered by FernFlower decompiler)
5
6 package br.com.aula.lojagames.entity;
7
8 import jakarta.persistence.Column;
9 import jakarta.persistence.Entity;
10 import jakarta.persistence.GeneratedValue;
11 import jakarta.persistence.GenerationType;
12 import jakarta.persistence.Id;
13 import jakarta.persistence.Table;
14 import java.io.Serializable;
15 import java.util.Objects;
16
17 @Entity
18 @Table(
19     name = "jogos"
20 )
21 public class Jogo implements Serializable {
22     @Id
23     @GeneratedValue(
24         strategy = GenerationType.IDENTITY
25     )
26     @Column(
27         name = "id"
28     )
29     private Long id;
30     @Column(
31         name = "nome",
32         nullable = false,
33         length = 100
34     )
35     private String nome;
36     @Column(
37         name = "genero",
38         nullable = false,
39         length = 100
40     )
```

```
41     private String genero;
42     @Column(
43         name = "ano_lancamento"
44     )
45     private Integer anoLancamento;
46
47     public boolean equals(Object o) {
48         if (this == o) {
49             return true;
50         } else if (o != null && this.getClass() == o.
getClass()) {
51             Jogo jogo = (Jogo)o;
52             return Objects.equals(this.id, jogo.id);
53         } else {
54             return false;
55         }
56     }
57
58     public int hashCode() {
59         return Objects.hash(new Object[]{this.id});
60     }
61
62     public String toString() {
63         return "Jogo{id=" + this.id + ", nome='" +
this.nome + "', genero='" + this.genero + "'",
64         "anoLancamento=" + this.anoLancamento + "}";
65     }
66
67     public Long getId() {
68         return this.id;
69     }
70
71     public String getNome() {
72         return this.nome;
73     }
74
75     public String getGenero() {
76         return this.genero;
77     }
78     public Integer getAnoLancamento() {
```

```
79         return this.anoLancamento;
80     }
81
82     public void setId(final Long id) {
83         this.id = id;
84     }
85
86     public void setNome(final String nome) {
87         this.nome = nome;
88     }
89
90     public void setGenero(final String genero) {
91         this.genero = genero;
92     }
93
94     public void setAnoLancamento(final Integer
anoLancamento) {
95         this.anoLancamento = anoLancamento;
96     }
97
98     public Jogo() {
99
100    }
101
```

```
1 //
2 // Source code recreated from a .class file by
3 // IntelliJ IDEA
4 // (powered by FernFlower decompiler)
5
6 package br.com.aula.lojagames.service;
7
8 import br.com.aula.lojagames.entity.Jogo;
9 import br.com.aula.lojagames.repository.
JogoRepository;
10 import java.util.List;
11 import org.springframework.stereotype.Service;
12 import org.springframework.transaction.annotation.
Transactional;
13
14 @Service
15 public class JogoService {
16     private final JogoRepository jogoRepository;
17
18     @Transactional
19     public Jogo salvar(Jogo jogo) {
20         return (Jogo)this.jogoRepository.save(jogo);
21     }
22
23     @Transactional(
24         readOnly = true
25     )
26     public Jogo buscarPorId(Long id) {
27         return (Jogo)this.jogoRepository.findById(id
).orElseThrow(() -> {
28             return new RuntimeException("## JOGO NÃO
ENCONTRADO ##");
29         });
30     }
31
32     @Transactional(
33         readOnly = true
34     )
35     public List<Jogo> buscarTodos() {
36         return this.jogoRepository.findAll();
```

```
37    }
38
39    @Transactional
40    public Jogo editarInformacoes(Long id, Jogo
41        jogoAtualizado) {
42        Jogo jogo = this.buscarPorId(id);
43        if (jogoAtualizado.getNome() != null) {
44            jogo.setNome(jogoAtualizado.getNome());
45        }
46        if (jogoAtualizado.getGenero() != null) {
47            jogo.setGenero(jogoAtualizado.getGenero
48        );
49    }
50    if (jogoAtualizado.getAnoLancamento() != null
51    ) {
52        jogo.setAnoLancamento(jogoAtualizado.
53            getAnoLancamento());
54    }
55
56
57    @Transactional
58    public void excluirPorId(Long id) {
59        Jogo jogo = this.buscarPorId(id);
60        if (jogo == null) {
61            throw new RuntimeException("Jogo com ID "
+ id + " não encontrado.");
62        } else {
63            this.jogoRepository.delete(jogo);
64        }
65    }
66
67    public JogoService(final JogoRepository
68        jogoRepository) {
69        this.jogoRepository = jogoRepository;
70    }
71}
```

```
1 //
2 // Source code recreated from a .class file by
3 // IntelliJ IDEA
4 // (powered by FernFlower decompiler)
5
6 package br.com.aula.lojagames.repository;
7
8 import br.com.aula.lojagames.entity.Jogo;
9 import org.springframework.data.jpa.repository.
JpaRepository;
10
11 public interface JogoRepository extends JpaRepository
<Jogo, Long> {
12 }
13
```