

PUESTA EN PRODUCCIÓN SEGURA



PRÁCTICA 5

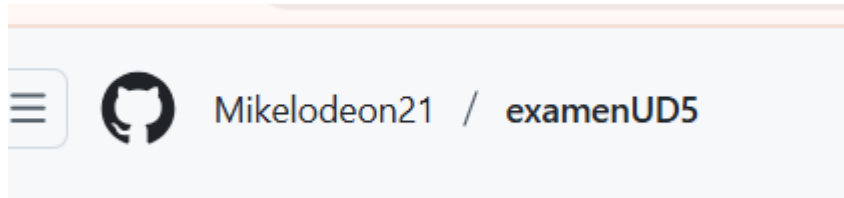
Miguel Lucia Tomey

ÍNDICE:

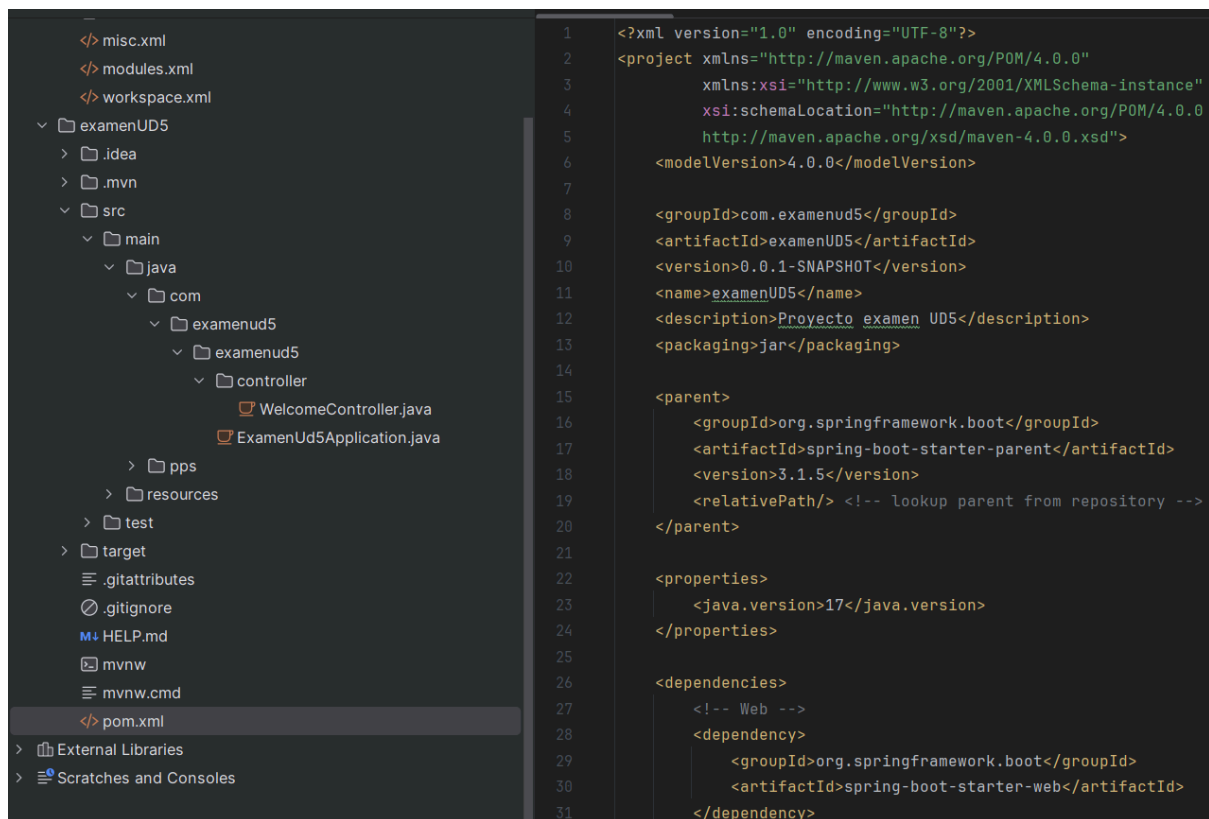
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EJERCICIO 1:

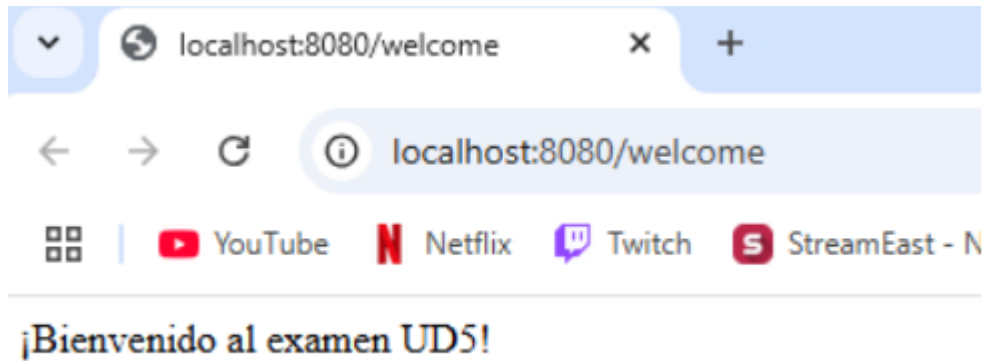
Creamos en GitHub el repositorio



Añadimos todas las dependencias



Comprobamos que ha salido bien



Ahora subimos el proyecto a escritorio remoto

```
Miguel@DESKTOP-37HHUMF MINGW64 ~
$ git config --global user.name "Mikelodeon21"

Miguel@DESKTOP-37HHUMF MINGW64 ~
$ git config --global user.email "miguelluciatomey2003@gmail.com"

Miguel@DESKTOP-37HHUMF MINGW64 ~
$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/Miguel/.git/

Miguel@DESKTOP-37HHUMF MINGW64 ~
$ git remote add origin git@github.com:Mikelodeon21/examenUD5.git

Miguel@DESKTOP-37HHUMF MINGW64 ~
$ git commit -m "Proyecto con Spring Boot"
On branch master

Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .bash_history
        .bash_logout
        .bash_profile
        .bashrc
        .gitconfig
        .gnupg/
        .profile

nothing added to commit but untracked files present (use "git add" to track)

Miguel@DESKTOP-37HHUMF MINGW64 ~
$ |
```

EJERCICIO 2:

Creamos la rama correspondiente

```
Miguel@DESKTOP-37HHUMF MINGW64 ~  
$ git checkout -b feature/initial-setup  
Switched to a new branch 'feature/initial-setup'  
  
Miguel@DESKTOP-37HHUMF MINGW64 ~  
$ |
```

Borramos todas las dependencias de pom.xml

```
    <java.version>17</java.version>  
  </properties>  
  
  <dependencies>  
    |  
  </dependencies>  
  
  <build>  
    <plugins>  
      <!-- Plugin de compilación de Spring -->  
      <plugin>  
        <groupId>org.springframework.boot</groupId>  
        <artifactId>spring-boot-maven-plugin</artifactId>  
      </plugin>  
    </plugins>  
  </build>  
</project>
```

Subimos todos los cambios que queremos realizar con git push
Creamos nueva rama

```
Miguel@DESKTOP-37HHUMF MINGW64 ~  
$ git checkout -b feature/add-dependencies  
Switched to a new branch 'feature/add-dependencies'  
Miguel@DESKTOP-37HHUMF MINGW64 ~
```

Volvemos a añadir las dependencias en pom

```
<dependencies>  
  
  <!-- JPA -->  
  <dependency>  
    <groupId>org.springframework.boot</groupId>  
    <artifactId>spring-boot-starter-data-jpa</artifactId>  
  </dependency>  
  
  <!-- H2 Database -->  
  <dependency>  
    <groupId>com.h2database</groupId>  
    <artifactId>h2</artifactId>  
    <scope>runtime</scope>  
  </dependency>  
  
  <!-- DevTools (recarga automática en desarrollo) -->  
  <dependency>  
    <groupId>org.springframework.boot</groupId>  
    <artifactId>spring-boot-devtools</artifactId>  
    <scope>runtime</scope>  
    <optional>true</optional>  
  </dependency>  
  
  <!-- Pruebas -->  
  <dependency>  
    <groupId>org.springframework.boot</groupId>  
    <artifactId>spring-boot-starter-test</artifactId>  
    <scope>test</scope>  
  </dependency>  
</dependencies>
```

Después de esto agregamos los cambios en la nueva rama

```
Miguel@DESKTOP-37HHUMF MINGW64 ~/Downloads/examenUD5/examenUD5 (feature/initial-setup)
$ git add pom.xml
warning: in the working copy of 'Downloads/examenUD5/examenUD5/pom.xml', LF will
be replaced by CRLF the next time Git touches it

Miguel@DESKTOP-37HHUMF MINGW64 ~/Downloads/examenUD5/examenUD5 (feature/initial-setup)
$ git commit -m "Añadir pom.xml sin dependencias"
[feature/initial-setup (root-commit) 2b44718] Añadir pom.xml sin dependencias
1 file changed, 55 insertions(+)
create mode 100644 Downloads/examenUD5/examenUD5/pom.xml

Miguel@DESKTOP-37HHUMF MINGW64 ~/Downloads/examenUD5/examenUD5 (feature/initial-setup)
$ git checkout -b feature/add-depen
Switched to a new branch 'feature/add-depen'

Miguel@DESKTOP-37HHUMF MINGW64 ~/Downloads/examenUD5/examenUD5 (feature/add-depen)
$ git push -u origin feature/add-depen
info: please complete authentication in your browser...
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 923 bytes | 923.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Mikelodeon21/examenUD5.git
 * [new branch]      feature/add-depen -> feature/add-depen
branch 'feature/add-depen' set up to track 'origin/feature/add-depen'.
```

El programa no nos da ningún fallo

```
C:\Users\Miguel\.jdk\temurin-21.0.6\bin\java.exe .
```

```
.   ____      _       _   _  
/\ / ___'_ _ _ _ _ _ _ _ _ _ \\\ \  
( ) ___ | '_| '|_| '|_ \/_ _ \| \\ \\ \  
\\/_ ___) | |_| | |_| | |_| (|_| ) )) )  
' |____| .__|_| |_| | |_|_\__, | / / / /  
=====|_|=====|___/_/_/_/_/  
  
:: Spring Boot ::                (v3.2.0)
```

```
2025-05-04T15:40:20.252+02:00 INFO 3700 --- [examenUD5] [ restartedMain] p.maven.examenud5.ExamenUd5Application : Starting  
2025-05-04T15:40:20.255+02:00 INFO 3700 --- [examenUD5] [ restartedMain] p.maven.examenud5.ExamenUd5Application : No activ  
2025-05-04T15:40:20.308+02:00 INFO 3700 --- [examenUD5] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools  
2025-05-04T15:40:20.308+02:00 INFO 3700 --- [examenUD5] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For add:  
2025-05-04T15:40:21.058+02:00 INFO 3700 --- [examenUD5] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Bootstra  
2025-05-04T15:40:21.078+02:00 INFO 3700 --- [examenUD5] [ restartedMain] .s.d.r.c.RepositoryConfigurationDelegate : Finishe  
2025-05-04T15:40:21.635+02:00 INFO 3700 --- [examenUD5] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat :  
2025-05-04T15:40:21.644+02:00 INFO 3700 --- [examenUD5] [ restartedMain] o.apache.catalina.core.StandardService : Starting
```

EJERCICIO 3:

Creamos otra nueva rama

```
Miguel@DESKTOP-37HHUMF MINGW64 ~/Downloads/examenUD5/examenUD5 (feature/add-depe
n)
$ git checkout -b feature/compile-code
Switched to a new branch 'feature/compile-code'
```

Compilamos con maven

```
Miguel@DESKTOP-37HHUMF MINGW64 ~/Downloads/examenUD5/examenUD5 (feature/compile-code)
$ ./mvnw clean install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.examen:examenud5 >-----
[INFO] Building examenud5 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- clean:3.3.2:clean (default-clean) @ examenud5 ---
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.0/plexus-utils-4.0.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/4.0.0/plexus-utils-4.0.0.jar (192 kB at 447 kB/s)
[INFO] Deleting C:\Users\Miguel\Downloads\examenUD5\examenUD5\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ examenud5 ---
[INFO] Copying 1 resource from src/main/resources to target/classes
[INFO] Copying 0 resource from src/main/resources to target/classes
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ examenud5 ---
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/3.3.4/maven-shared-utils-3.3.4.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/3.3.4/maven-shared-utils-3.3.4.jar (153 kB at 4.4 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/commons-io/commons-io/2.6/commons-io-2.6.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-incremental/1.1/maven-shared-incremental-1.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/1.5.5/plexus-component-annotations-1.5.5.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-java/1.1.2/plexus-java-1.1.2.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm/9.4/asm-9.4.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-incremental/1.1/maven-shared-incremental-1.1.jar (14 kB at 752 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/ow2/asm/asm-tree/9.4/asm-tree-9.4.jar
```

Subimos cambios a git

```
$ git add .
warning: in the working copy of 'Downloads/examenUD5/examenUD5 (.feature/compile-cod
warning: in the working copy of 'Downloads/examenUD5/examenUD5/.gitattributes', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Downloads/examenUD5/examenUD5/.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Downloads/examenUD5/examenUD5/mvn/wrapper/resources-wrapper.properties', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Downloads/examenUD5/examenUD5/src/main/resources/application.properties', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Downloads/examenUD5/examenUD5/src/test/java/pss/maven/examenUD5/ExamenUD5ApplicationTests.java', LF will be replaced by CRLF the next time Git touches it
$ git commit -m "Initial commit"
[master 80e6d7c] Initial commit
 1 file changed, 1 insertion(+), 1 deletion(-)
 create mode 100644 Downloads/examenUD5/examenUD5 (.feature/compile-code)
```