

Manual de implantación local

True Fit Gym

Adrián Rodríguez Díaz

Grado de ingeniería Informática Desarrollo Web

<u>Equipo docente:</u> Consultor: **Gregorio Robles Martínez** Profesor: **Santi Caballe Llobet**



En primer lugar es necesario tener instalado Java en el sistema operativo. Se puede descargar directamente desde la página de Oracle: Java Downloads | Oracle

En nuestro caso descargamos la versión instalable de Windows x64

Java 19 and Java 17 available now

Java 17 LTS is the latest long-term support release for the Java SE platform. JDK 19 and JDK 17 binaries are free to use in production and free to redistribute, at no cost, under the Oracle No-Fee Terms and Conditions.

JDK 19 will receive updates under these terms, until March 2023 when it will be superseded by JDK 20.

JDK 17 will receive updates under these terms, until at least September 2024.

Java 19 Java 17

Java SE Development Kit 19.0.1 downloads

Thank you for downloading this release of the JavaTM Platform, Standard Edition Development Kit (JDKTM). The JDK is a development environment for building applications and components using the Java programming language.

Learn about Java SE Subscription

The JDK includes tools for developing and testing programs written in the Java programming language and running on the Java platform.

Linux macOS Windows		
Product/file description	File size	Download
x64 Compressed Archive	179.13 MB	https://download.oracle.com/java/19/latest/jdk-19_windows-x64_bin.zip (sha256)
xó4 Installer	158.91 MB	https://download.oracle.com/java/19/latest/jdk-19_windows-x64_bin.exe (sha256)
xó4 MSI Installer	157.76 MB	https://download.oracle.com/java/19/latest/jdk-19_windows-x64_bin.msi (sha256)

Procedemos con la instalación:

🚽 Java(TM) SE Development Kit 19.0.1 (64-bit) - Setup	×
(Jawa	
Welcome to the Installation Wizard for Java SE Development Kit 19.0.1	
This wizard will guide you through the installation process for the Java SE Developmen Kit 19.0.1.	t
Next > 1	Cancel



(ا	ava				
This w 420MB folder.	ll install the on your ha	Java(TM) SE De ard drive, Click th	evelopment Kit 19.0.1 (he "Change" button to (64-bit), which rec change the install	uires ation
	Install Ja C:\Progr	ava(TM) SE Deve am Files\Java\jc	elopment Kit 19.0.1 (64 dk-19\	-bit) to:	Change

B Java(IIVI) SE Develo	opment Kit 19.0.1 (64-bit) - Complete	X
Java Java		
Java(TM) SE Develop	ment Kit 19.0.1 (64-bit) Successfully Installed	
Click Next Steps to ac and more to help you	ccess tutorials, API documentation, developer guides, release notes get started with the JDK.	
Next Steps]	



Procedemos ahora a descargar y configurar el entorno de desarrollo con el que vamos a trabajar. En mi caso he elegido el Spring Tools Suite, se puede obtener a través del siguiente enlace: <u>https://spring.io/tools</u>

or Eclipse	I Protocol Colorer II ∈ S ** ** *2) ja rest strokor constants (sec) *2) ja rest strokor constants (sec) *2) Anticidanti (sec) *2) Anticidanti (sec) *2) Anticidanti (sec) *2) Orderlinguismo *2) Order	Consequences and a second	B A X X • X
he all-new Spring Tool Suite 4. ree. Open source.		Provise Franciska Alexandro Santa Alexand	e greeting(Sring)
4.17.1 - LINUX X86_64		Trainer # January Contractor Contractor<	
4.17.1 - LINUX ARM_64		2017.1.1.02 14.001.3.05 100 2565 mm(m) a.m.h.m.m.m.f. 2017.1.1.02 14.01.3.05 100 2565 mm(m) a.m.h.m.m.m.f. 2017.1.1.02 14.01.3.05 100 2565 mm(m) a.m.h.m.m.m.f. 2017.1.1.02 14.001.3.05 100 1565 mm(m) a.m.h.m.m.f. 2017.1.1.02 14.001.3.305 100 1565 mm(m) a.m.h.m.m.f. 2017.1.1.02 14.001.3.305 100 1565 mm(m) a.m.f. nm(m) a.m.f. 2017.1.1.02 14.001.3.307 100 1565 mm(m) a.m.f. nm(m) a.m.f. nm(m) a.m.f. 2017.1.1.02 14.001.3.307 100 1565 mm(m) a.m.f. nm(m) a.m.f.	nipointmuniterHopping attomBeanExporter efaultiiferytleProcessor tExpeddedExrylefContainer an
4.17.1 - MACOS X86_64			
4.17.1 - MACOS ARM_64			

*Seleccionar la versión adecuada

Una vez descargado lo descomprimimos:

↓ ↓ ↓ ↓ Download	ds		- 0	×
← → ▼ ↑ ↓ > Th	is PC > Downloads	✓ ♂ Search Downloads		
📌 Quick access	Name 🗸 Today (4)		Date modified	
Downloads	虜 jdk-19_windows-x64_ 🍇 jre-8u351-windows-x6	bin 54	1/7/2023 3:18 PM 1/7/2023 3:11 PM	
📋 Documents 🖈	spring-tool-suite-4-4.	17.1.RELEASE-e4.26.0-win32.win32.x86_64.self-extracting	1/7/2023 3:06 PM	
 Pictures Music Videos OneDrive 	sts-4.17.1.RELEASE	Open Move to OneDrive Scan with Microsoft Defender Markowski Share Open with		>
💻 This PC 🏕 Network		Give access to Abrir con WinRAR Extraer ficheros Extraer aquí		>
		Extraer en "spring-tool-suite-432.win32.x86_64.s Restore previous versions	elf-extracting\"	
		Send to		>
		Cut		

Elegimos la carpeta donde queremos descomprimir el IDE:



Una vez descomprimido, accedemos a la carpeta y descomprimimos el contenido del fichero "contents"



Ya podemos ejecutar el entorno:

📕 I 🖸 📑 = I	Manage	sts-4.	17.1.RE	LEASE	87-	
File Home Share	View Application Tools					0
← → ~ ↑ 🦲 « uoc	> sts-4.17.1.RELEASE >	~	5	, Search sts-4.17.1.	RELEASE	
 ✓ Quick access ✓ Desktop ✓ Downloads ✓ Documents ✓ Pictures ✓ Music ✓ Videos ✓ OneDrive ✓ This PC ✓ Network 	Name configuration dropins features META-INF p2 plugins readme eclipseproduct artifacts license SpringToolSuite4 SpringToolSuite4			Date modified 1/1/2023 6:10 AM 1/1/2023 6:10 AM 1/1/2023 6:12 AM 1/1/2023 6:10 AM 1/1/2023 6:10 AM 1/1/2023 6:10 AM 1/1/2023 6:10 AM 1/1/2023 6:01 AM 1/1/2023 6:13 AM 1/1/2023 6:12 AM 1/1/2023 6:12 AM	Type File folder File folder File folder File folder File folder File folder ECLIPSEPRODUCT XML Document Text Document Application Configuration sett Application	Size 1 Ki 155 Ki 12 Ki 775 Ki 522 Ki 1 Ki 233 Ki
14 items 1 item selected 52	21 KB					



Elegimos la ubicación donde queremos alojar el workspace (Si no existe se creará):

🥏 Spring Tool Suite 4 Launcher			×
Select a directory as workspace			
Spring Tool Suite 4 uses the workspace directory to stor	re its preferences and development artifac	ts.	
Workspace: C:\TFG\	~	Brows	e
Use this as the default and do not ask again			
Becent Workspaces			
Recent Workspaces			

Descomprimimos el proyecto "tfg_adro" en la carpeta del workspace:

D TFG - Spring Tool Suite 4					TFG_ADRO-main	n.zip (copia de ev	valuación)		
I Image: Imag	ihare	View			Archivo Órdenes	Herramientas	Favoritos Op	pciones Ayud	· K (
← → ~ ↑	K Loca	I Disk (C:) > TFG	5 v	,⊂ Sear	Añadir Extraer o	en Comprobar DRO-main.zip\TF	Ver Elin G_ADRO-main	ninar Buscar 1 - archivo ZIP, t	Asistente Informa
📌 Quick access		Name		Date mod	Nombre	Tamaño	Comprimido	Tipo File folder	Modificado
Desktop	*	📙 tfg_adro		1/7/2023 2	github	3,202	1,312	File folder	1/7/2023 2:5
- Downloads	×				tfg_adro	4,468,086	4,326,320	File folder	1/7/2023 2:5
Documents	*				README.md	65	65	MD File	1/7/2023 2:5
Pictures	A								

En el IDE seleccionamos (import projects..) y elegimos "Maven/Existing Maven Projects"



Seleccionamos el proyecto:

Package Explorer 🗙						- 0	Be Outline ×	contraction that
There are no projects in your we To add a project: <u> Create a Java project</u> <u> Create new Spring Starter</u>	orkspace.	Dim Maver Selec	port Maven Projects n Projects t Maven projects			-		5
Import Spring Getting Sta	arted	Root [Directory:				V Browse	
Create a project		Projec	ts:					
import projects	Celect Root	Folder				×	Select All	
	e > • •	• 🖪 « Lo	ocal Disk (C:) > TFG >	5 V	. P Search TFG		Deselect All	
					(I		Select Tree	
	Organize 🔻	New told	ler ^		8== *		Deselect Tree	
	🖈 Quick ac	cess	Name .metadata		1/7/2023 3:38 PM	lype File fold	Refresh	
	Desktop	p 📌	📙 tfg_adro		1/7/2023 2:57 AM	File fold		
	Docum	ents 🖈						
	Picture:	s ,#						
Boot Dashboard \times	👌 Music							
5	Videos					-		
•	OneDrive						~	8 🗖
ype tags, projects, or working	se 📃 This PC							-
O local	network 💣							
			•					

Finalizamos y esperamos a que termine de descargar:

Universitat de Cataluny	Oberta uoc.edu ya		
Import Maven Projects Maven Projects Select Maven projects		- D X	
Root Directory: C:\TFG\tfg_a	dro	Browse	
Projects: ✓ /pom.xml com.tfg.ad	ro.app:tfg_adro:0.0.1-SNAPSHOT:jar	Select All Deselect All Select Tree Deselect Tree Refresh	
Add project(s) to working s tfg_adro Advanced	et		
0	< Back Next >	Finish Cancel	
Problems @ Javado	oc 😥 Declaration 🖷 Progress 🗙		💥 8 🗖 E
https://repo.maven.ap	ache.org/maven2/org/codehaus/plexus,	/plexus/8/plexus-8.pom	
		Importing Maven projects: (9%) 🖂 🖷 🗄

UOC	Universitat Oberta de Catalunya	uoc.edu				
🔵 TFG - Spring File Edit Sou	Tool Suite 4 rce Refactor Navigate Search	- Project Run Window Help			×	
- 🖻 🖷 👘 i	* • O • G • II • I.	+ # @ + @ / + □ ≥ ≥ @ { = 1 + 1 + 1 + 1 + 0 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	Q	1	9 8	J
🔋 Package Expl	orer 🗙 🖹 😫 🖥 🗖 🗌				- 6	1
<pre> tfg_adro [# src/ma # con # src/ma #</pre>	boot] [devtools] in/java httg.adro.web.app httg.adro.web.app.controller httg.adro.web.app.repository httg.adro.web.app.security httg.adro.web.app.security httg.adro.web.app.security httg.adro.web.app.security thtg.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adro.web.app.security http.adr					
Boot Dashbo	ard X					
➡ ♥ ■ @ ♣ ♥ ∞	▣ <5 / □ ♥ • 7					
Type tags, proje	ects, or working set names to m	🖹 Problems @ Javadoc 😡 Declaration 🖷 Progress 🗙	×	000	- 6	j
> 🕲 local		No operations to display at this time.				
						2

Comprobamos que esté todo correcamente compilado.

Instalación XAMPP – MySQL:

Procedemos ahora a instalar XAMPP, para poder gestionar nuestra base de datos MySQL.

Download XAMPP (apachefriends.org)

Descargamos la última versión:



XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.

/ersion		Check	sum		Size
3.0.25 / PHP 8.0.25	What's Included?	md5	sha1	Download (64 bit)	143 Mb
3.1.12 / PHP 8.1.12	What's Included?	md5	sha1	Download (64 bit)	147 Mb
3.2.0 / PHP 8.2.0	What's Included?	md5	sha1	Download (64 bit)	148 Mb

Una vez descargado procedemos a instalarlo:

🧃 Setup				×
	Setup - XAMPP			
83	Welcome to the XAMPP Setur	Wizard.		
	< Back	Next >	Ca	ncel



🖌 Setup		- 🗆 X
Select Components		ខេ
Select the components you want to install. Click Next when you are read Server Apache MySQL FileZilla FTP Server Mercury Mail Server Tomcat Program Languages	nstall; clear the componen / to continue. Click on a comp description	its you do not want to onent to get a detailed
PHP Perl Program Languages phpMyAdmin Wabyling Wware InstallBuilder	< Back	Next > Cancel
🛿 Setup		- 🗆 X
Installation folder		ខ
Please, choose a folder to install XA	ЛРР	
Select a folder C:\xampp	P	

< Back

Next >

Cancel

Una vez finalizada la instalación, ejecutamos el panel de contrl:

VMware InstallBuilder



< Back

Finish

Cancel

Iniciamos los servidores necesarios:

ເສ	XAN	MPP Contr	ol Panel v3.	3.0				de Conf
Modules Service	Module	PID(s)	Port(s)	Actions				🔕 Netst
	Apache	7596 4048	80, 443	Stop	Admin	Config	Logs	She
	MySQL	2652	3306	Stop	Admin	Config	Logs	Exploi
	FileZilla			Start	Admin	Config	Logs	Servic
	Mercury			Start	Admin	Config	Logs	😡 Help
	Tomcat			Start	Admin	Config	Logs	Qui
4:47:13 F 4:47:13 F 4:47:13 F 4:47:13 F 4:47:18 F 4:47:18 F 4:47:19 F 4:47:19 F 4:47:20 F	M [main] M [main] M [main] M [Apache M [Apache M [mysql] M [mysql]	All prerequ Initializing Starting Cl Control Pa Attempting Status cha Attempting Status cha	isites found Modules neck-Timer nel Ready to start Apache inge detected: ru to start MySQL inge detected: ru	app inning app inning				

Nos aseguramos de que el puerto de MySQL sea el 3306.

Accedemos ahora al panel de control a través de phpMyAdmin

localhost / 127.0.0.1 | phpMyAdmin 5.2.0



Importamos ahora la base de datos de nuestro proyecto:

Seleccionamos el fichero sql y presionamos el botón "Importar"



Comprobamos que se cree correctamente la base de datos:



Universitat Oberta uoc.edu de Catalunya

Procedemos ahora a crear una cuenta de usuario para tener los priviliegios necesarios para trabajar con nuestra BDD:

phpMyAdmin	← 🗊	Servidor: 127.0.	0.1							
<u>Ω 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </u>	I B	ases de datos	📋 SQL 🥼 Es	tado actual	📑 Cuentas de usua	rios 📑 Exp	ortar 📕 In	nportar 🥜 Configu	uración 🔻 I	Vlás
Reciente Favoritas	Vist	a global de las	cuentas de usuario	Groupos de	usuario					
∞∞ – – В Nueva ⊢ ∋ information_schema	V	′ista glob	oal de las cu	uentas d	e usuario					
Ha mysql Ha performance_schema Ha phomyadmin		Nombre de usuario	Nombre del servidor	Contraseña	Privilegios globales 🌚	Grupo de usuario	Conceder	Acción		
Ha test	0	cualquiera	%	No 🕢	USAGE		No	🐉 Editar privilegios	🔜 Exportar	🔒 Bloquear
⊢i tfg_adro ⊢i Nueva	0	pma	localhost	No	USAGE		No	🐉 Editar privilegios	Exportar	Bloquear
 Activities Calendar_activity 	0	root	127.0.0. <mark>1</mark>	No	ALL PRIVILEGES		Sí	👌 Editar privilegios	📑 Exportar	Bloquear
contacts		root	::1	No	ALL PRIVILEGES		Sí	🐉 Editar privilegios	Exportar	Bloquear
+ roles	0	root	localhost	No	ALL PRIVILEGES		Sí	🐉 Editar privilegios	📕 Exportar	Bloquear
	t_	Selecci uevo b Agregar cuenta	onar todo Para los a de usuario	s elementos que	están marcados: 🛛 🧱	, Exportar				

Nombre de usuario: *tfguser*

Contraseña: Uoc@1234

Seleccionamos todos los privilegios

phpMyAdmin	← 🗊 Servidor. 127.0.0.1
<u>☆ 5</u> 0 0 0 0 ¢ ¢	🥘 Bases de datos 📙 SQL 🐁 Estado actual 🖭 Cuentas de usuarios 🖶 Exportar 👼 Importar 🥜 Configuración 🔻 Más
eciente Favoritas co	Agregar cuenta de usuario
Nueva information_schema mysol	Información de la cuenta
performance_schema	Nombre de usuario: Use el campo de tex 💙 Ifguser
 test tfg_adro 	Nombre de Host: Cualquier servidor 🗸 %
	Contraseña: Use el campo de tex 💙 Fuerza. Débil
H ∠ calendar_activity H ∠ contacts	Debe volver a escribir.
t M especialities t M roles	plugin de Autenticación de MySQL nativo V
-	Generar contraseña: Generar
- V users_roles	Base de datos para la cuenta de usuario
	 Crear base de datos con el mismo nombre y otorgar todos los privilegios. Otorgar todos los privilegios al nombre que contiene comodín (username_%).
	Privilegios globales 🛛 Seleccionar todo

🛹 Ha agregado un nuevo usuario.

CREATE USER 'tfguser'@'%' IDENTIFIED VIA mysql_native_password USING '***';GRANT ALL PRIVILEGES ON *.* TO 'tfguser'@'%' REQUIRE NONE WITH GRANT OPTION MAX_QUERIES_PER_HOUR 0 MAX_CONNECTIONS_PER_HOUR 0 MAX_UPDATES_PER_HOUR 0 MAX_USER_CONNECTIONS 0;

[Editar en línea][Editar][Crear código PHP]



Ya tenemos montada nuestra base de datos y nuestro entorno de desarrollo.

Realizamos la compilación del proyecto a través de Maven y comprobamos que se pueda ejecutar la aplicación correctamente.

Para compilar en Maven creamos una nueva ejecución:



Clic derecho en Maven Build/New Configuration





Seleccionamos el workspace y como objetivos ponemos "clean install" y presionamos Run:

] B 💀 B 🗙 E 7 -	Name: New_configur	ation					
type filter text	🦲 Main 🛋 JRE 🧬	Refresh by Source 📠 En	vironment 🔲 Common				
Debug Adapter Launcher Docker Compose	Base directory: \${workspace_loc:/tfg	Ladro}					1
Cradle Task Gradle Task Gradle Task JUEE Preview JuEE Preview Java App In Container	Goals: clea Profiles:	an install		Workspace	File System	Variables	
I Java Application Ju Julapplication Ju JUnit Julit Plug-in Test Launch Group cm Launch NPM Maven Build	0 D R Thre	Offline Update : lebug Output Skip Test esolve Workspace artifacts ads: 1 ~	Snapshots s Non-recursive Color Output: Auto	Workspace	File System	Variables	
m2 New_configuration Node.js application OSGi Framework	Parameter Name	Value				Add Edit	
Spring Boot Devtools Client	ы				Revert	Apply	

Una vez finalizado comprobamos que se haya ejecutado correctamente y se hayan descargado todas las librerías necesarias:

🥏 TFG - tfg_adro/src/main/resources/application.properties - Spring Tool Suite 4	1.777		×
File Edit Navigate Search Project Run Window Help			
● - 回 氏:		0 :) #J
		~ : E	1 23
# 🎦 Problems @ Javadoc 📴 Declaration 📮 Console 🗙 🖏 Progress 🔗 🔳 💥 🌺 🔜 🐼 📁	📑 🗐 🔻 🗖	9 🕶 🗖 i	• •
🛓 <terminated> New_configuration [Maven Build] C:\UOC\sts-4.17.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221</terminated>	.102-0933\jre\bir	n\javaw.ex	e (J
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-util/0.9.0.M2/aether-util-	0.9.0.M2.jar	(134 kB	^
a [INFO] Downloading from : https://repo.maven.apache.org/maven2/com/google/guava/failureaccess/1.0.1/failureaccess-	1.0.1.jar		
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/vafer/jdependency/2.4.0/jdependency-2.4.0.jar (1)	30 kB at 735	kB/s)	
[INFO] Downloading from : https://repo.maven.apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-to-apache.org/maven2/com/google/guava/listenabletuture/9999.0-empty-	/old-conflict	t-with-g	L.
[INFO] Downloaded rolm - https://repo.maven.apache.org/maven2/org/checkerfaamework/checker-commat-oual/2.5.5/check	ker-compat-d	ual-2.5.	
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-dependency-tree/3.0.1/	maven-depende	ency-tre	
[INFO] Downloading from : https://repo.maven.apache.org/maven2/com/google/errorprone/error prone annotations/2.3.4	/error_prone	annotat	
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/com/google/guava/guava/28.2-android/guava-28.2-andro	id.jar (2.6 M	MB at 3.	5
[INFO] Downloading from : https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.3/j2objc-ann	otations-1.3.	.jar	
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/com/google/guava/listenablefuture/9999.0-empty-to-av	oid-conflict	-with-gu	č
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/commons/commons-lang3/3.//commons-lang3/	3./.jar	c kp at	
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/com/google/guava/laiureaccess/i.o.//aiureaccess/i	ec-compat-du	al-255	¢
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/com/google/errorprone/error prome anotations/2.3.4/	error prone a	annotati	2
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/commons/commons-lang3/3.7/commons-lang3-3	.7. jar (500 H	kB at 1.	
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.3/j2objc-anno	tations-1.3.	jar (8.8	
[INFO] Replacing main artifact with repackaged archive			
[INFO]			
[INFO] maven-install-plugin:3.0.1:install (default-install) @ tfg_adro			201
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-util/1.0.0.200140518/aethe	er-util-1.0.0	0.V20140	1
[INFO] Downloaded from : https://repoimaven.apache.org/maven2/org/etilpse/actner/detner-	a a v2014051	. V201405	•
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/clinse/acther/acther/1.0.0.v20140518/acther-1.0	.0. v20140518	.nom (30	
[INF0] Downloading from : https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-api/1.0.0.v20140518/aethe	-api-1.0.0.	v2014051	8
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-api/1.0.0.v20140518/aether	-api-1.0.0.v?	20140518	
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-util/1.0.0.v20140518/aeth	er-util-1.0.0	0.v20140	
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-api/1.0.0.v20140518/aethe	api-1.0.0.	v2014051	8
INFO Downloaded from : https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-util/1.0.0.v20140518/aethe	-util-1.0.0.	.v201405	
[INFO] Downloaded from : https://repo.maven.apache.org/mavenz/org/eclipse/attner/attner-api/1.0.0.V20140518/attner [INFO] Downloaded from : https://repo.maven.apache.org/mavenz/org/eclipse/attner/attner-api/1.0.0.V20140518/attner	-ap1-1.0.0.V.	0 1 - CMA	
[INFO] Installing C. (FG(1Fg_adro)target)tfg_adro_0.0.1-SN2FHOT.jar to C:()sers\adro \.m2)(repositor)(com)tfg\adro)	app\tfg_adro	0\0.0.1-	c.
	topp (ci 8_ddi (0 (0.0.1	
INFO] BUILD SUCCESS			
[INF0]			100
[INFO] Total time: 57.023 s			
[INFO] Finished at: 2023-01-07T17:24:17-03:00			
[INFO]			
			~
<		>	
			10



Ya podemos ejecutar el servidor de nuestra aplicación:







Ya podemos iniciar la aplicación en nuestro navegador, accedemos a través del localhost:8080/

Comprobamos que se pueda acceder con el usuario de administrador:

Usuario: admin@mail.com

Pass: uoc1234





Vemos que ya funciona todo correctamente:

