

PRIMER CLEAN Y PACKAGE:

```

<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>3.5.5</version>
    <relativePath/> <!-- lookup parent from repository -->
  </parent>
  <groupId>sv.edu.udb </groupId>
  <artifactId>spring-api-rest </artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>spring-api-rest </name>
  <description>Ejercicio con Spring Boot Restful </description>
  <url></url>
  <licenses>
    <license></license>
  </licenses>
  <developers>
    <developer></developer>
  </developers>
  <scm>
    <connection/>
    <developerConnection/>
    <tag/>
    <url/>
  </scm>
</project>

```

Run **spring-api-rest [package]**

```

[INFO] --- jar:3.4.2:jar (default-jar) @ spring-api-rest ---
[INFO] Building jar: C:\Users\bryaa\OneDrive\Escritorio\Nueva carpeta\spring-api-rest\target\spring-api-rest-0.0.1-SNAPSHOT.jar
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 21.313 s
[INFO] Finished at: 2025-09-02T14:58:31-06:00
[INFO] -----

Process finished with exit code 0

```

SEGUNDA PRUEBA DE PACKAGE:

```

import jakarta.persistence.EntityNotFoundException;
import jakarta.validation.ValidationException;
import org.apache.commons.lang3.StringUtils; //BRYAN STEVEN HERNANDEZ POLIO HP240512
import org.springframework.dao.DataAccessException;
import org.springframework.http.HttpHeaders;
import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.lang.Nullable;
import org.springframework.validation.FieldError;
import org.springframework.validation.ObjectError;
import org.springframework.web.bind.MethodArgumentNotValidException;
import org.springframework.web.bind.MissingPathVariableException;
import org.springframework.web.bind.MissingServletRequestParameterException;
import org.springframework.web.bind.annotation.ControllerAdvice;
import org.springframework.web.bind.annotation.ExceptionHandler;
import org.springframework.web.client.HttpClientErrorException;
import org.springframework.web.context.request.WebRequest;
import org.springframework.web.servlet.mvc.method.annotation.ResponseEntityExceptionHandler;
import org.springframework.web.util.WebUtils;
import sv.edu.udb.configuration.web.ApiError;
import sv.edu.udb.configuration.web.ApiErrorResponse;
import sv.edu.udb.configuration.web.ApiErrorResponseWrapper;

import java.nio.file.AccessDeniedException;
import java.util.List;
import java.util.Objects;

@ControllerAdvice
public class RestExceptionHandler extends ResponseEntityExceptionHandler {

```

Run **spring-api-rest [package]**

```

[INFO] --- jar:3.4.2:jar (default-jar) @ spring-api-rest ---
[INFO] Building jar: C:\Users\bryaa\OneDrive\Escritorio\Nueva carpeta\spring-api-rest\target\spring-api-rest-0.0.1-SNAPSHOT.jar
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 12.166 s
[INFO] Finished at: 2025-09-02T15:05:07-06:00
[INFO] -----

Process finished with exit code 0

```

PRUEBA PARA VER MENSAJE DE ERROR:

Paso 8. Ahora que es aplicación de postman configuración.

NOTAS: Como se observa en la respuesta JSON, se detallan los errores de validación para los campos 'postDate' y 'title'.

```
POST localhost:8080/posts
{
  "postDate": "25/09/2024",
  "title": ""
}

{
  "status": 400,
  "type": "ViolationFieldError",
  "title": "Invalid Attribute",
  "source": "postDate",
  "description": "debe ser una fecha en el presente o en el futuro"
},
{
  "status": 400,
  "type": "ViolationFieldError",
  "title": "Invalid Attribute",
  "source": "title",
  "description": "no debe estar vacío"
}
```

400 Bad Request

Environment

```
startedMain] JpaBaseConfiguration
startedMain] o.s.b.a.H2ConsoleAutoConfiguration
startedMain] o.s.b.d.a.OptionalLiveReloadServer
startedMain] o.s.b.w.embedded.EmbeddedTomcatWebServer
startedMain] sv.edu.udb.SpringApiRestApplication
-08080-exec-2] o.a.c.c.[Tomcat]
-08080-exec-2] o.s.web.servlet.DispatcherServlet
-08080-exec-2] o.s.web.servlet.DispatcherServlet
-08080-exec-2] .m.m.a.ExceptionHandlerExceptionResolver
```

Paso 10:

Paso 10. Corremos la aplicación.

NOTAS: Como se observa en la respuesta JSON, se detallan los errores de validación para el campo 'phoneNumber'.

```
POST localhost:8080/clients
{
  "phoneNumber": ""
}

{
  "status": 400,
  "type": "ViolationFieldError",
  "title": "Invalid Attribute",
  "source": "phoneNumber",
  "description": "no debe estar vacío"
},
{
  "status": 400,
  "type": "ViolationFieldError",
  "title": "Invalid Attribute",
  "source": "phoneNumber",
  "description": "Número de teléfono inválido"
}
```

400 Bad Request

Environment

```
j.LocalContainerEntityManagerFactoryBean
JpaBaseConfiguration$JpaWebConfiguration
o.s.b.a.H2ConsoleAutoConfiguration
o.s.b.d.a.OptionalLiveReloadServer
o.s.b.w.embedded.EmbeddedTomcatWebServer
sv.edu.udb.SpringApiRestApplication
o.a.c.c.[Tomcat].[localhost].${port}
o.s.web.servlet.DispatcherServlet
o.s.web.servlet.DispatcherServlet
.m.m.a.ExceptionHandlerExceptionResolver
```

Prueba Final:

The screenshot shows a dual-pane developer interface. On the left, the Postman application is open, displaying a POST request to `localhost:8080/clients`. The request body is set to raw JSON with the value `{"phoneNumber": "2297-0256"}`. The response status is `201 Created`, and the response body contains the message `Numero de telefono valido 2297-0256`. On the right, the IntelliJ IDEA IDE is running a Spring Boot application named `SpringApiRestApplication`. The code editor shows the main application class and a controller class named `ClientController.java`. The terminal at the bottom shows the command `java -jar target/SpringApiRestApplication.jar` being run.