

LABORATORIO 9

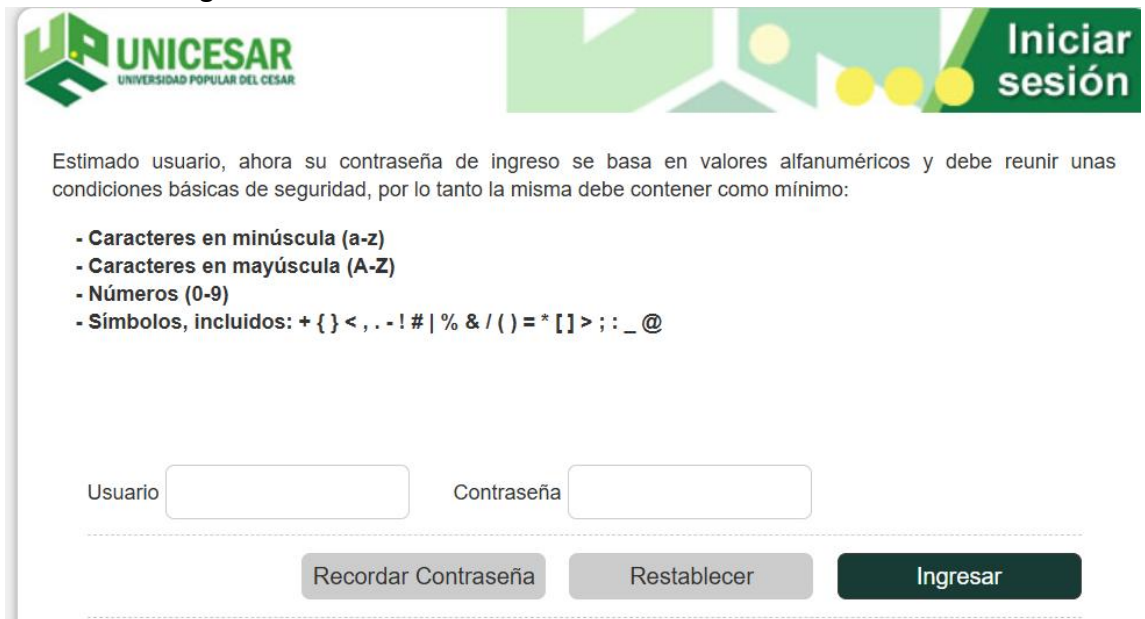
JULIANA TORRES AARÓN

Objetivos del laboratorio

1. Establecer políticas de contraseñas seguras en un entorno de TI
2. Implementar Mecanismos de Bloqueo de Cuenta tras intentos fallidos
3. Verificar y Documentar la configuración de Seguridad de Contraseñas

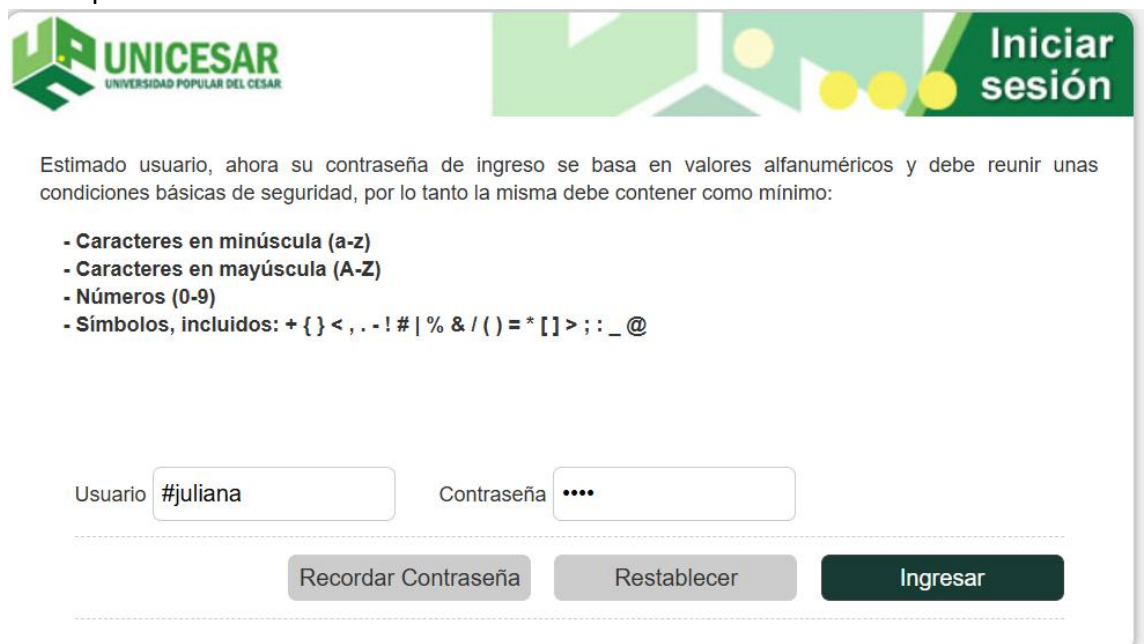
Estructura del Laboratorio

1. Probamos con el Vortal de la UPC para ver cómo validan el tema de contraseñas seguras.



The screenshot shows the login interface of the UNICESAR system. At the top left is the logo for UNICESAR (Universidad Popular del Cesar). At the top right is a green button labeled 'Iniciar sesión'. Below the header, a message states: 'Estimado usuario, ahora su contraseña de ingreso se basa en valores alfanuméricos y debe reunir unas condiciones básicas de seguridad, por lo tanto la misma debe contener como mínimo:'. This is followed by a list of requirements: '- Caracteres en minúscula (a-z)', '- Caracteres en mayúscula (A-Z)', '- Números (0-9)', and '- Símbolos, incluidos: + { } < , . - ! # | % & / () = * [] > ; : _ @'. Below the requirements are two input fields: 'Usuario' and 'Contraseña'. At the bottom are three buttons: 'Recordar Contraseña', 'Restablecer', and 'Ingresar'.

2. Datos para validar



This screenshot shows the same login interface as the previous one, but with test data entered. The 'Usuario' field contains the text '#juliana' and the 'Contraseña' field contains four dots '....'. The 'Recordar Contraseña' and 'Restablecer' buttons are visible, along with the 'Ingresar' button at the bottom right.

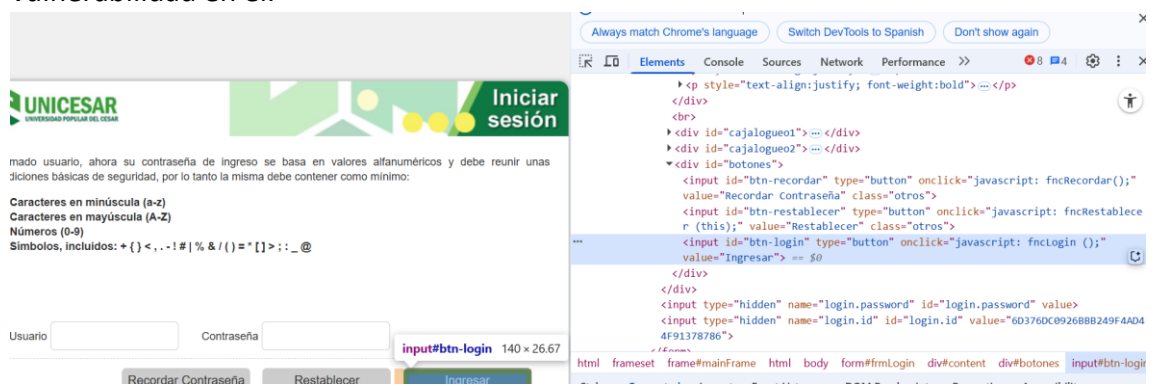
3. Comprobamos que el usuario no existe

vortal.unicesar.edu.co dice

El usuario [#juliana] con el que intenta ingresar no se encuentra registrado.

Aceptar

4. Inspeccionamos el Vortal, comprobamos con el botón de ingresar y vemos una vulnerabilidad en el.



5. Probamos el sitio, intentado hacer una inyección SQL en el aplicativo.
 - Y vimos que el Vortal está protegido contra inyecciones SQL
6. Probamos en KALI, para ver si al crear un usuario, hace las validaciones correctas, se vio que al crear la contraseña si valida correctamente y continuamos llenando la información del usuario, si pasamos la creación del usuario.

```
kali-linux-2025.1c-virtualbox-amd64 [Command] - Oracle VM VirtualBox
Active Mainna Ver Filetree Dependencies Ayuda
root@kali: /home/kali/Desktop
File Actions Edit View Help
GNU nano 8.2 /etc/security/pwquality.conf
# Configuration for systemwide password quality limits
# Defaults:
#
# Number of characters in the new password that must not be present in the
# old password.
# difok = 1
#
# Minimum acceptable size for the new password (plus one if
# credits are not disabled which is the default). (See pam_cracklib manual.)
# Cannot be set to lower value than 6.
# minlen = 6
#
# The maximum credit for having digits in the new password. If less than 0
# it is the minimum number of digits in the new password.
# dcredit = 0
#
# The maximum credit for having uppercase characters in the new password.
# If less than 0 it is the minimum number of uppercase characters in the new
# password.
# ucredit = 0
#
# The maximum credit for having lowercase characters in the new password.
# If less than 0 it is the minimum number of lowercase characters in the new
# password.
# lcredit = 0
#
# The maximum credit for having other characters in the new password.
# If less than 0 it is the minimum number of other characters in the new
# password.
# ocredit = 0
#
# The minimum number of required classes of characters for the new
# password (digits, uppercase, lowercase, others).
# minclass = 0
#
# The maximum number of allowed consecutive same characters in the new password.
# The check is disabled if the value is 0.
# maxrepeat = 0
#
# The maximum number of allowed consecutive characters of the same class in the
# new password.
# The check is disabled if the value is 0.
# maxclassrepeat = 0
#
# Whether to check for the words from the passwd entry GECOS string of the user.
# The check is enabled if the value is not 0.
# geckocheck = 0
#
Help      Write Out  Where Is   Cut        Execute    Location  Undo       Set Mark  To Bracket
Exit      Read File  Replace   Paste     Justify   Go To Line Redo      Copy      Where Was
```