





Departamento de Ciencias de la Computación (DCCO) Ingeniería en Tecnologías de la Información Metodología de Desarrollo de Software NRC 4617

Sistema de base datos para una Cooperativa de Ahorro y Crédito.

Caja Blanca Versión 2.0

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Director: Ing. Jenny Ruíz







PRUEBA CAJA BLANCA VALIDACIÓN DE CREDENCIALES

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Diagrama de flujo:

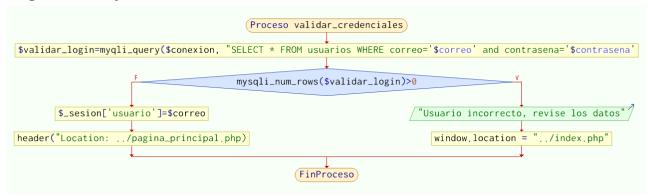
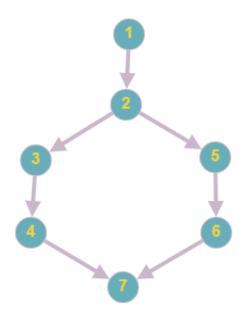


Diagrama de grafos:









RUTAS:

R1: 1, 2, 3, 4, 7

R2: 1, 2, 5, 6, 7

Complejidad Ciclomática

E: Número de aristas

N: Número de nodos

P: Número de nodos predicado

$$V(G) = E - N + 2$$

$$V(G) = 7-7+2$$

$$V(G) = 2$$

$$V(G) = P + 1$$

V(G) = 1 nodo predicado +1 = 2

PRUEBA CAJA BLANCA VALIDAR CORREO

Diagrama de flujo:







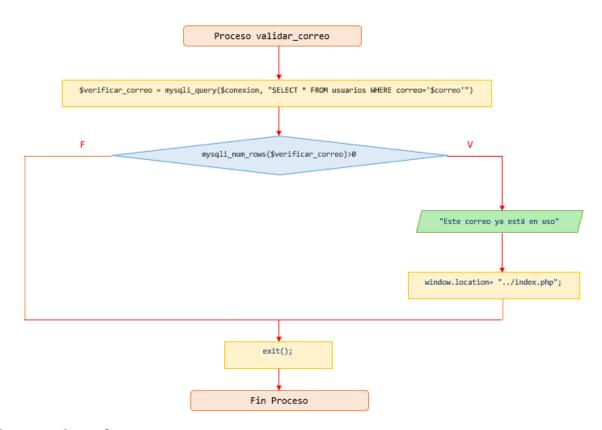
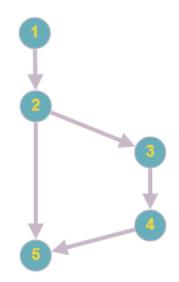


Diagrama de grafos:



RUTAS:

R1: 1, 2, 3, 4, 5

R2: 1, 2, 5

Complejidad Ciclomática







E: Número de aristas

N: Número de nodos

P: Número de nodos predicado

$$V(G) = E - N + 2$$

 $V(G) = 5 - 5 + 2$
 $V(G) = 2$
 $V(G) = P + 1$

V(G) = 1 nodo predicado +1 = 2

PRUEBA CAJA BLANCA VALIDAR USUARIO

Diagrama de flujo:







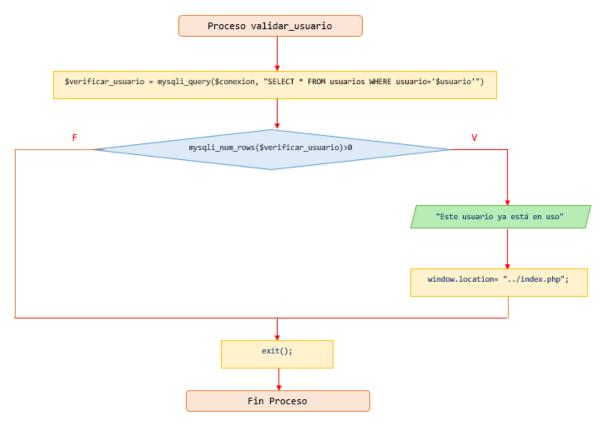
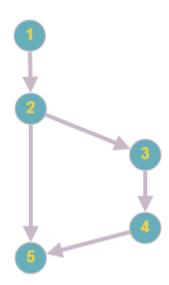


Diagrama de grafos:



RUTAS:

R1: 1, 2, 3, 4, 5

R2: 1, 2, 5

Complejidad Ciclomática







- E: Número de aristas
- N: Número de nodos
- P: Número de nodos predicado

$$V(G) = E - N + 2$$
 $V(G) = 5 - 5 + 2$
 $V(G) = 2$
 $V(G) = P + 1$
 $V(G) = 1 \text{ nodo predicado } +1 = 2$

PRUEBA CAJA BLANCA VALIDACIÓN DE CUENTA

```
$ejecutar = mysqli_query($conexion, $query);
if($ejecutar){
   echo '
        <script>
            alert("Usuario creado exitosamente");
           window.location= "../index.php";
        </script>
    ٠,
}else{
    echo '
    <script>
        alert("Usuario no creado, inténtalo de nuevo");
       window.location= "../index.php";
    </script>
    ١;
}
mysqli_close($conexion);
```

Diagrama de flujo:







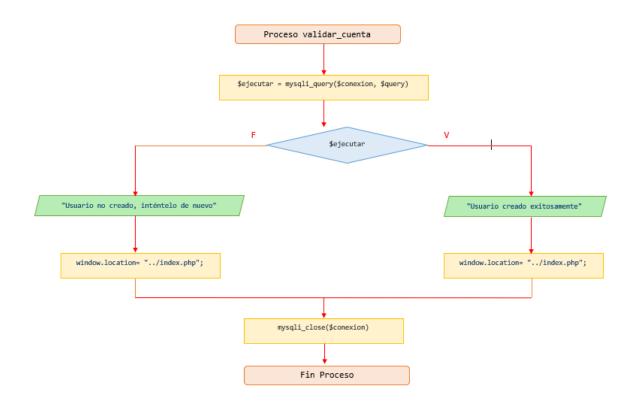
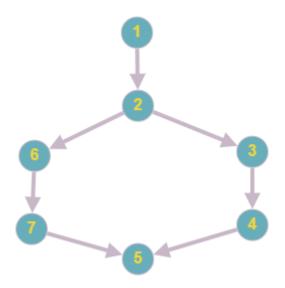


Diagrama de grafos:



RUTAS:

R1: 1, 2, 3, 4, 5

R2: 1, 2, 6, 7, 5

Complejidad Ciclomática







E: Número de aristas

N: Número de nodos

P: Número de nodos predicado

$$V(G) = E - N + 2$$

$$V(G) = 7 - 7 + 2$$

$$V(G) = 2$$

$$V(G) = P + 1$$

$$V(G) = 1$$
 nodo predicado $+1 = 2$