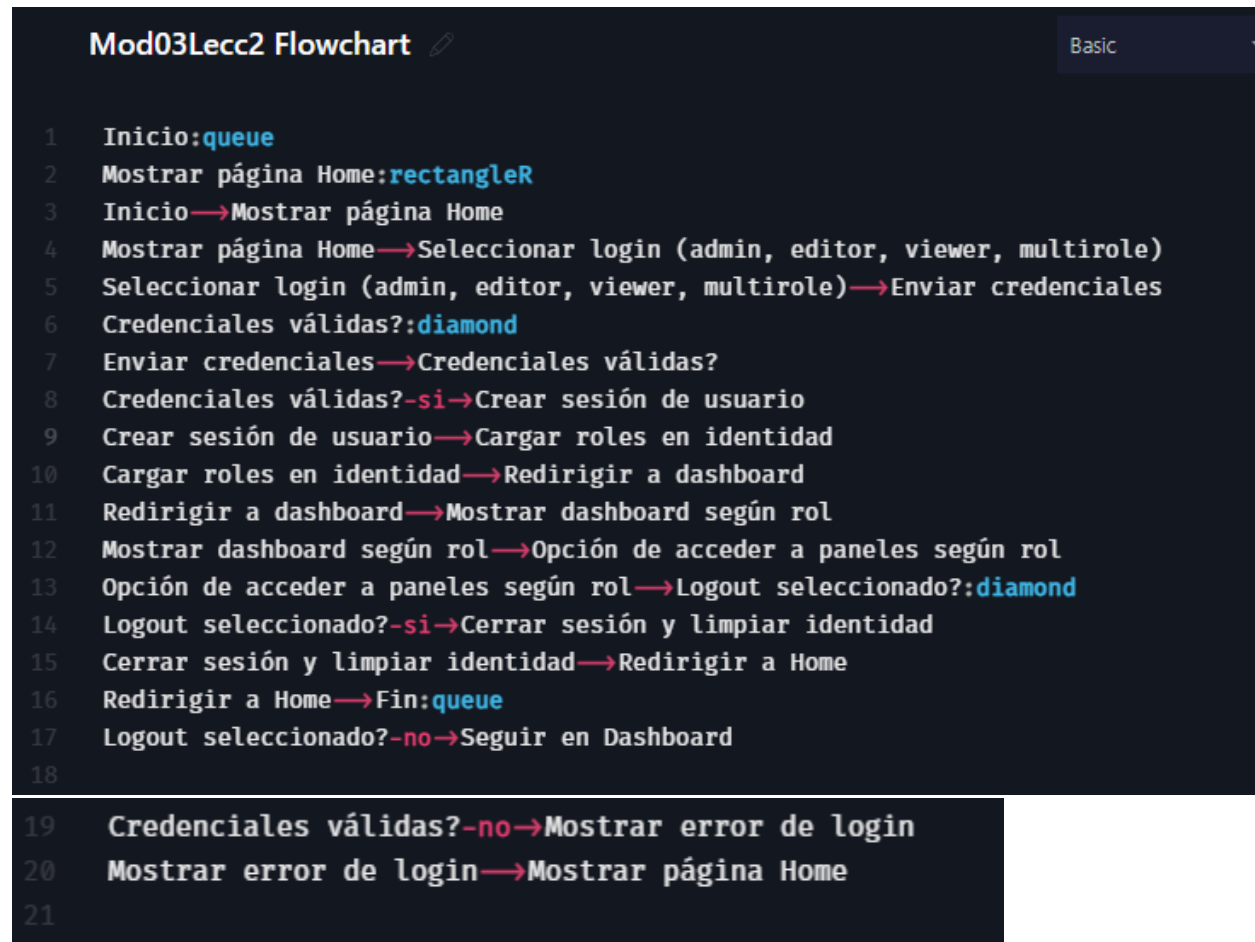
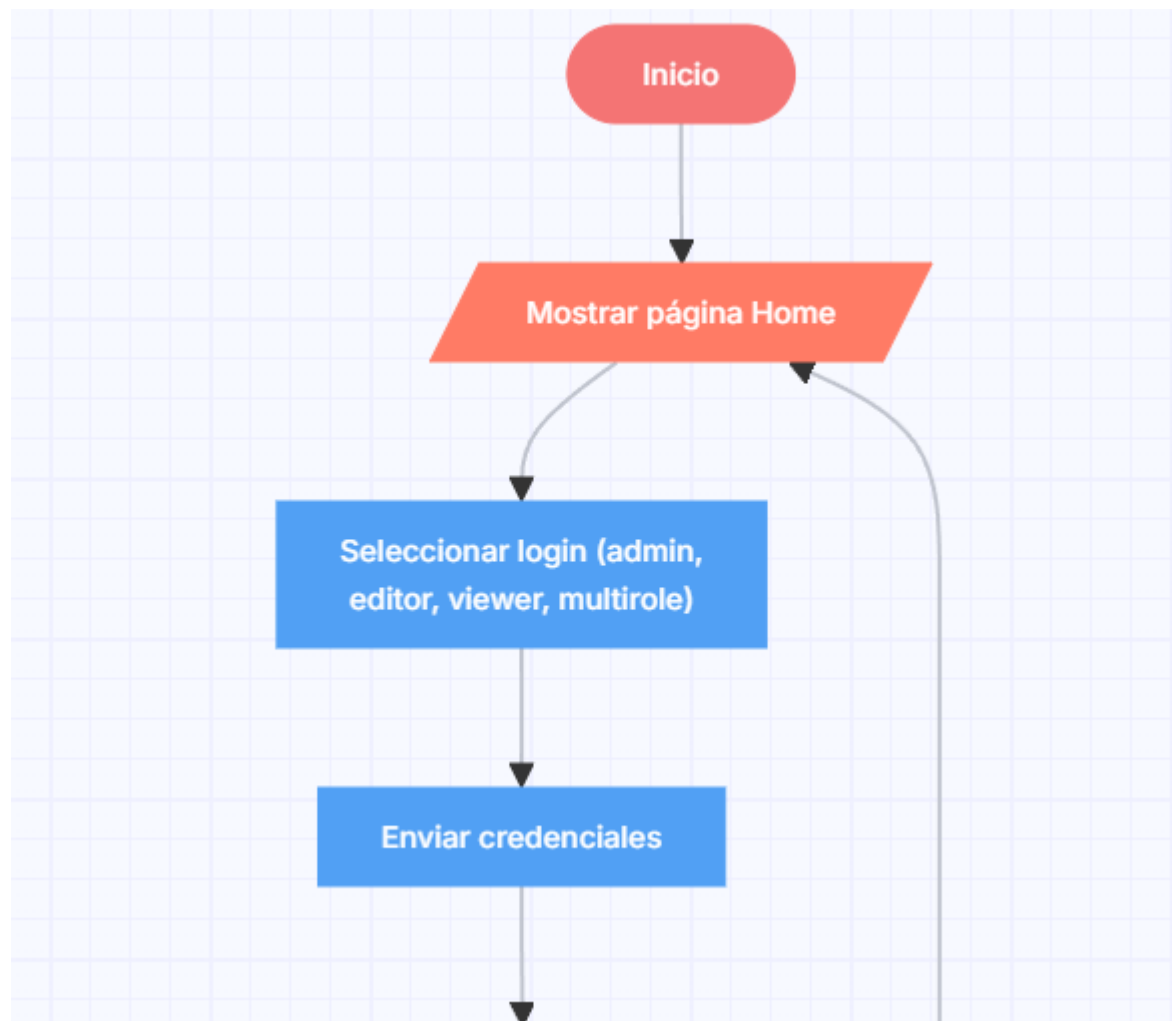
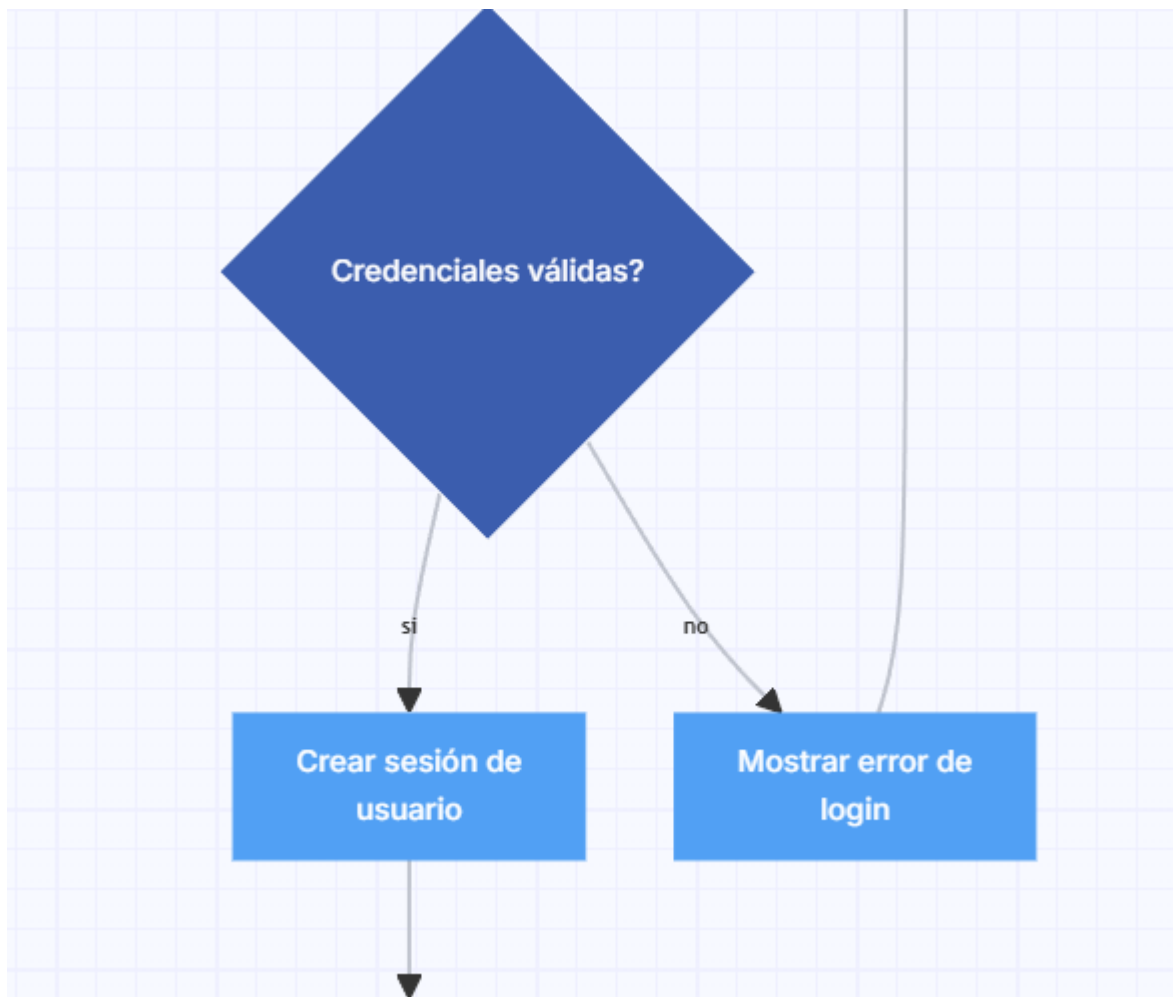


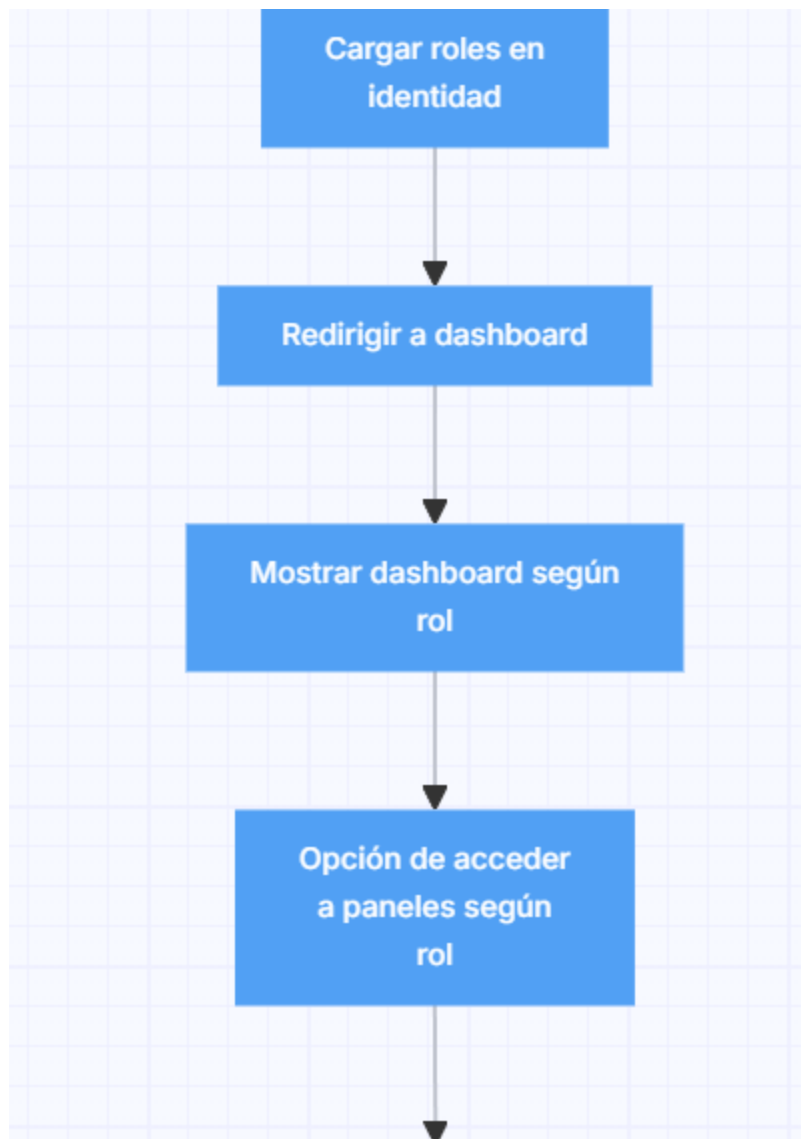
## Documentación de la Aplicación Flask con Roles y Permisos

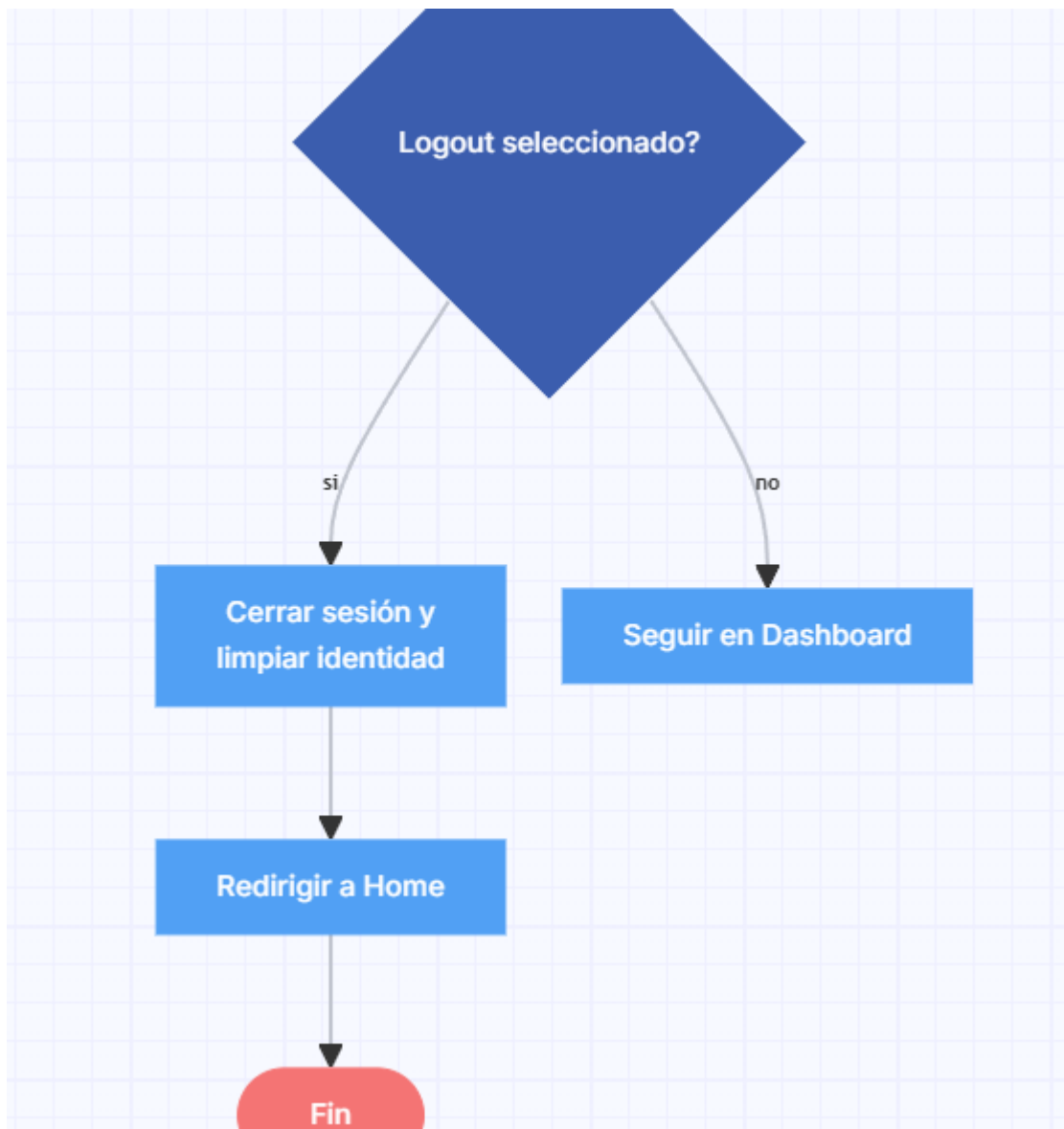
### Diagrama de Flujo de Autenticación













Explicación de Pantallas

```

act06 > templates > admin_panel.html > html
1 <!-- templates/admin_panel.html -->
2 <!DOCTYPE html>
3 <html>
4 <head>
5 |   <title>Panel de Admin</title>
6 </head>
7 <body>
8 |   <h1>Panel de Administración</h1>
9 |   <p>Solo visible para usuarios con rol 'admin'.</p>
10 |   <a href="{{ url_for('dashboard') }}">Volver al Dashboard</a>
11 </body>
12 </html>

```

### Panel de Administración (admin\_panel.html)

- **Propósito:** Área restringida para administradores
- **Características:**
  - Solo accesible con rol 'admin'
  - Diseño minimalista con mensaje de confirmación
  - Enlace de retorno al dashboard

```

act06 > templates > dashboard.html > html > head > title
1 <!-- templates/dashboard.html -->
2 <!DOCTYPE html>
3 <html>
4 <head>
5 |   <title>Dashboard</title>
6 </head>
7 <body>
8 |   <h1>Dashboard</h1>
9 |   <p>Bienvenido, {{ username }}!</p>
10 |
11 |   <h2>Acciones disponibles:</h2>
12 |   <ul>
13 |     <li><a href="{{ url_for('admin_panel') }}">Panel de Administración</a></li>
14 |     <li><a href="{{ url_for('editor_panel') }}">Panel de Edición</a></li>
15 |     <li><a href="{{ url_for('viewer_panel') }}">Panel de Visualización</a></li>
16 |     <li><a href="{{ url_for('api_data') }}">Ver datos de API</a></li>
17 |     <li><a href="{{ url_for('logout') }}">Cerrar sesión</a></li>
18 |   </ul>
19 |
20 |   {% with messages = get_flashed_messages(with_categories=true) %}
21 |     {% if messages %}
22 |       <ul>
23 |         {% for category, message in messages %}
24 |           <li style="color: {% if category == 'success' %}green{% elif category == 'danger' %}red{% else %}blue{% endif %}">
25 |             {{ message }}
26 |           </li>
27 |         {% endfor %}
28 |       </ul>
29 |     {% endif %}
30 |   {% endwith %}
31 </body>
32 </html>

```

## Dashboard (dashboard.html)

- **Propósito:** Página principal después del login
- **Características:**
  - Muestra el nombre de usuario autenticado
  - Proporciona acceso a paneles según permisos
  - Incluye opción de logout
  - Muestra mensajes de estado

```
act06 > templates > editor_panel.html > html
1  <!-- templates/editor_panel.html -->
2  <!DOCTYPE html>
3  <html>
4  <head>
5  |   <title>Panel de Editor</title>
6  </head>
7  <body>
8  |   <h1>Panel de Edición</h1>
9  |   <p>Solo visible para usuarios con rol 'editor'.</p>
10 |   <a href="{{ url_for('dashboard') }}">Volver al Dashboard</a>
11 </body>
12 </html>
```

## Panel de Edición (editor\_panel.html)

- **Propósito:** Área para usuarios con permisos de edición
- **Características:**
  - Accesible con rol 'editor'
  - Diseño similar al panel de admin
  - Mensaje específico para editores



```

act06 > templates > home.html > html > head
1  <!-- templates/home.html -->
2  <!DOCTYPE html>
3  <html>
4  <head>
5  |   <title>Inicio</title>
6  </head>
7  <body>
8  |   <h1>Bienvenido al Sistema de Roles</h1>
9
10 |   {% with messages = get_flashed_messages(with_categories=true) %}
11 |   |   {% if messages %}
12 |   |   |   <ul>
13 |   |   |   |   {% for category, message in messages %}
14 |   |   |   |   |   <li style="color: {% if category == 'success' %}green{% elif category == 'danger' %}red{% else %}blue{% endif %}">
15 |   |   |   |   |   |   {{ message }}
16 |   |   |   |   |   </li>
17 |   |   |   |   {% endfor %}
18 |   |   |   |   </ul>
19 |   |   |   {% endif %}
20 |   |   {% endwith %}
21
22 |   <h2>Usuarios de prueba:</h2>
23 |   <ul>
24 |   |   <li><a href="{{ url_for('login', username='admin', password='adminpass') }}">Login como Admin</a></li>
25 |   |   <li><a href="{{ url_for('login', username='editor1', password='editorpass') }}">Login como Editor</a></li>
26 |   |   <li><a href="{{ url_for('login', username='viewer1', password='viewerpass') }}">Login como Viewer</a></li>
27 |   |   <li><a href="{{ url_for('login', username='multirole', password='multipass') }}">Login como Usuario Multirole</a></li>
28 |   </ul>
29 </body>
30 </html>

```

```

act06 > templates > viewer_panel.html > html
1  <!-- templates/viewer_panel.html -->
2  <!DOCTYPE html>
3  <html>
4  <head>
5  |   <title>Panel de Viewer</title>
6  </head>
7  <body>
8  |   <h1>Panel de Visualización</h1>
9  |   <p>Solo visible para usuarios con rol 'viewer'.</p>
10 |   <a href="{{ url_for('dashboard') }}">Volver al Dashboard</a>
11 </body>
12 </html>

```

## Panel de Visualización (viewer\_panel.html)

- **Propósito:** Área para usuarios con permisos de solo lectura
- **Características:**
  - Accesible con rol 'viewer'
  - Diseño consistente con otros paneles
  - Mensaje específico para visualizadores

act06 > app.py > ...

```
1 # app.py
2 from flask import Flask, render_template, redirect, url_for, session, flash, jsonify
3 from flask_principal import Principal, Permission, RoleNeed, Identity, AnonymousIdentity, identity_loaded, UserNeed
4 from flask_principal import identity_changed, current_app
5 from werkzeug.security import generate_password_hash, check_password_hash
6
7 app = Flask(__name__)
8 app.secret_key = 'tu_clave_secreta_muy_segura_aqui'
9
10 # Configuración de Flask-Principal
11 Principal(app)
12
13 # Definición de permisos
14 # Necesidades (Needs) para roles
15 admin_permission = Permission(RoleNeed('admin'))
16 editor_permission = Permission(RoleNeed('editor'))
17 viewer_permission = Permission(RoleNeed('viewer'))
18
19 # Base de datos de usuarios simulada
20 users_db = {
21     'admin': {
22         'password': generate_password_hash('adminpass'),
23         'roles': ['admin', 'editor', 'viewer']
24     },
25     'editor1': {
26         'password': generate_password_hash('editorpass'),
27         'roles': ['editor']
28     },
29     'viewer1': {
30         'password': generate_password_hash('viewerpass'),
31         'roles': ['viewer']
32     },
33 }
```

act06 > app.py > ...

```
33     'multirole': {
34         'password': generate_password_hash('multipass'),
35         'roles': ['editor', 'viewer']
36     }
37 }
38
39 @app.route('/')
40 def home():
41     return render_template('home.html')
42
43 @app.route('/login/<username>/<password>')
44 def login(username, password):
45     user = users_db.get(username)
46
47     if user and check_password_hash(user['password'], password):
48         # Establecer sesión de usuario
49         session['username'] = username
50
51         # Configurar identidad para Flask-Principal
52         identity = Identity(username)
53         identity_changed.send(current_app._get_current_object(), identity=identity)
54
55         flash('Login exitoso', 'success')
56         return redirect(url_for('dashboard'))
57     else:
58         flash('Usuario o contraseña incorrectos', 'danger')
59         return redirect(url_for('home'))
60
```

act06 >  app.py > ...

```
61 @app.route('/logout')
62 def logout():
63     # Limpiar sesión
64     session.pop('username', None)
65
66     # Limpiar identidad
67     identity_changed.send(current_app._get_current_object(), identity=AnonymousIdentity())
68
69     flash('Has cerrado sesión', 'info')
70     return redirect(url_for('home'))
71
72 @app.route('/dashboard')
73 def dashboard():
74     if 'username' not in session:
75         flash('Por favor inicia sesión primero', 'warning')
76         return redirect(url_for('home'))
77
78     return render_template('dashboard.html', username=session['username'])
79
80 @app.route('/admin')
81 @admin_permission.require(http_exception=403)
82 def admin_panel():
83     return render_template('admin_panel.html')
84
85 @app.route('/edit')
86 @editor_permission.require(http_exception=403)
87 def editor_panel():
88     return render_template('editor_panel.html')
89
```

```

act06 > app.py > ...
90 @app.route('/view')
91 @viewer_permission.require(http_exception=403)
92 def viewer_panel():
93     return render_template('viewer_panel.html')
94
95 @app.route('/api/data')
96 @viewer_permission.require(http_exception=403)
97 def api_data():
98     return jsonify({'data': 'Informacion confidencial'})
99
100 # Callback para cargar necesidades cuando la identidad está establecida
101 @identity_loaded.connect_via(app)
102 def on_identity_loaded(sender, identity):
103     # Establecer la identidad del usuario
104     username = session.get('username')
105     if username:
106         identity.provides.add(UserNeed(username))
107
108     # Añadir roles del usuario
109     user_roles = users_db.get(username, {}).get('roles', [])
110     for role in user_roles:
111         identity.provides.add(RoleNeed(role))
112
113 if __name__ == '__main__':
114     app.run(debug=True)

```

Página de Inicio (home.html)

- **Propósito:** Punto de entrada de la aplicación con opciones de login
- **Características:**
  - Muestra mensajes flash (éxito, error, información)
  - Proporciona enlaces para login con diferentes roles de prueba
  - Diseño simple con lista de usuarios disponibles para pruebas

act06 > test.rest > ...

```
1   ### Home page
   Send Request
2   GET http://127.0.0.1:5000
3
4   ### Login as admin
   Send Request
5   GET http://127.0.0.1:5000/login/admin/adminpass
6
7   ### Login as editor
   Send Request
8   GET http://127.0.0.1:5000/login/editor1/editorpass
9
10  ### Login as viewer
   Send Request
11  GET http://127.0.0.1:5000/login/viewer1/viewerpass
12
13  ### Access dashboard (requires login)
   Send Request
14  GET http://127.0.0.1:5000/dashboard
15
16  ### Access admin panel (requires admin role)
   Send Request
17  GET http://127.0.0.1:5000/admin
18
19  ### Access editor panel (requires editor role)
   Send Request
20  GET http://127.0.0.1:5000/edit
21
22  ### Access viewer panel (requires viewer role)
   Send Request
23  GET http://127.0.0.1:5000/view
24
25  ### Access API data (requires viewer role)
   Send Request
26  GET http://127.0.0.1:5000/api/data
27
28  ### Logout
   Send Request
29  GET http://127.0.0.1:5000/logout
```

act06 > testrest > ...

1 ### Home page  
Send Request  
2 GET http://127.0.0.1:5000  
3  
4 ### Login as admin  
Send Request  
5 GET http://127.0.0.1:5000/login/admin/adminpass  
6  
7 ### Login as editor  
Send Request  
8 GET http://127.0.0.1:5000/login/editor1/editorpass  
9  
10 ### Login as viewer  
Send Request  
11 GET http://127.0.0.1:5000/login/viewer1/viewerpass  
12  
13 ### Access dashboard (requires login)

1 HTTP/1.1 200 OK  
2 Server: Werkzeug/3.1.3 Python/3.13.2  
3 Date: Mon, 28 Apr 2025 03:47:55 GMT  
4 Content-Type: text/html; charset=utf-8  
5 Content-Length: 548  
6 Vary: Cookie  
7 Set-Cookie: session=.eJyrVspMSc0rySyp1EssLcmIL6ksSFwyyivllydFByGSmKFkp1Mm  
lqcWGSrpKJUMpxblJeamIgnWAgDIjhnE.aA76aw.2hgn0Q5aBlKggLHZRDa4YZnGSu8; Http  
Only; Path=/  
8 Connection: close  
9  
10 <!-- templates/home.html -->  
11 <!DOCTYPE html>  
12 <html>  
13 <head>  
14 <title>Inicio</title>

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

python + - ... ^ x

127.0.0.1 - - [27/Apr/2025 23:34:56] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:34:58] "GET /login/multitrole/multipass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:34:58] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:34:59] "GET /admin HTTP/1.1" 403 -  
127.0.0.1 - - [27/Apr/2025 23:36:04] "GET /edit HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:17] "GET /view HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:26] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:28] "GET /view HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:33] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:35] "GET /api/data HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET /logout HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:47:55] "GET / HTTP/1.1" 200 -

act06 > testrest > ...

1 ### Home page  
Send Request  
2 GET http://127.0.0.1:5000  
3  
4 ### Login as admin  
Send Request  
5 GET http://127.0.0.1:5000/login/admin/adminpass  
6  
7 ### Login as editor  
Send Request  
8 GET http://127.0.0.1:5000/login/editor1/editorpass  
9  
10 ### Login as viewer  
Send Request  
11 GET http://127.0.0.1:5000/login/viewer1/viewerpass  
12  
13 ### Access dashboard (requires login)

1 HTTP/1.1 200 OK  
2 Server: Werkzeug/3.1.3 Python/3.13.2  
3 Date: Mon, 28 Apr 2025 03:48:31 GMT  
4 Content-Type: text/html; charset=utf-8  
5 Content-Length: 718  
6 Vary: Cookie  
7 Set-Cookie: session=.eJyrVspMSc0rySyp1EssLcmIL6ksSFwyyivllydFByGSmKFkpJabk  
ZuYp6SiVFqcW5SXmpsKFagFg2BhQ.aA76jw.zpAnSECqeqDzIctSPV8jn0L5nN0; HttpOnl  
y; Path=/  
8 Connection: close  
9  
10 <!-- templates/dashboard.html -->  
11 <!DOCTYPE html>  
12 <html>  
13 <head>  
14 <title>Dashboard</title>

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

python + - ... ^ x

127.0.0.1 - - [27/Apr/2025 23:34:58] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:34:59] "GET /admin HTTP/1.1" 403 -  
127.0.0.1 - - [27/Apr/2025 23:36:04] "GET /edit HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:17] "GET /view HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:26] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:28] "GET /view HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:33] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:35] "GET /api/data HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET /logout HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:47:55] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /login/admin/adminpass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /dashboard HTTP/1.1" 200 -

```
act06 > testrest > ...
1  ### Home page
  Send Request
2  GET http://127.0.0.1:5000
3
4  ### Login as admin
  Send Request
5  GET http://127.0.0.1:5000/login/admin/adminpass
6
7  ### Login as editor
  Send Request
8  GET http://127.0.0.1:5000/login/editor1/editorpass
9
10 ### Login as viewer
  Send Request
11 GET http://127.0.0.1:5000/login/viewer1/viewerpass
12
13 ### Access dashboard (requires login)

1  HTTP/1.1 200 OK
2  Server: Werkzeug/3.1.3 Python/3.13.2
3  Date: Mon, 28 Apr 2025 03:48:48 GMT
4  Content-Type: text/html; charset=utf-8
5  Content-Length: 720
6  Vary: Cookie
7  Set-Cookie: session=.eJyrVspMSc0rySyp1EssLcmIL6ksSFwyiyvNydFByGSmkFKppaZk
  luQXGSrpKJUmPxb1JeamIgnWAgDgnRmu..aA76oA.8KV12Fgphp__U0KSF0aP3tW3Wwg; Http
  Only; Path=/
8  Connection: close
9
10 <!-- templates/dashboard.html -->
11 <!DOCTYPE html>
12 <html>
13 <head>
14 <title>Dashboard</title>

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS python + - - - - - X

127.0.0.1 - - [27/Apr/2025 23:36:04] "GET /edit HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:17] "GET /view HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:26] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:28] "GET /view HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:33] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:35] "GET /api/data HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET /logout HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:47:55] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /login/admin/adminpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /login/editor1/editorpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /dashboard HTTP/1.1" 200 -

act06 > testrest > ...
1  ### Home page
  Send Request
2  GET http://127.0.0.1:5000
3
4  ### Login as admin
  Send Request
5  GET http://127.0.0.1:5000/login/admin/adminpass
6
7  ### Login as editor
  Send Request
8  GET http://127.0.0.1:5000/login/editor1/editorpass
9
10 ### Login as viewer
  Send Request
11 GET http://127.0.0.1:5000/login/viewer1/viewerpass
12
13 ### Access dashboard (requires login)

1  HTTP/1.1 200 OK
2  Server: Werkzeug/3.1.3 Python/3.13.2
3  Date: Mon, 28 Apr 2025 03:49:07 GMT
4  Content-Type: text/html; charset=utf-8
5  Content-Length: 720
6  Vary: Cookie
7  Set-Cookie: session=.eJyrVspMSc0rySyp1EssLcmIL6ksSFwyiyvNydFByGSmkFKp1Mmm
  lqcmGSSrpKJUmPxb1JeamIgnWAgDIjhnE..aA76sw.jfEu6H6g_2qR0pffrwr83o6YmHI; Http
  Only; Path=/
8  Connection: close
9
10 <!-- templates/dashboard.html -->
11 <!DOCTYPE html>
12 <html>
13 <head>
14 <title>Dashboard</title>

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS python + - - - - - X

127.0.0.1 - - [27/Apr/2025 23:36:26] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:28] "GET /view HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:33] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:35] "GET /api/data HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET /logout HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:47:55] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /login/admin/adminpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /login/editor1/editorpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:49:07] "GET /login/viewer1/viewerpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:49:07] "GET /dashboard HTTP/1.1" 200 -
```





act06 > testrest > ...

13 ### Access dashboard (requires login)  
Send Request  
14 GET http://127.0.0.1:5000/dashboard  
15  
16 ### Access admin panel (requires admin role)  
Send Request  
17 GET http://127.0.0.1:5000/admin  
18  
19 ### Access editor panel (requires editor role)  
Send Request  
20 GET http://127.0.0.1:5000/edit  
21  
22 ### Access viewer panel (requires viewer role)  
Send Request  
23 GET http://127.0.0.1:5000/view  
24  
25 ### Access API data (requires viewer role)

1 HTTP/1.1 403 FORBIDDEN  
2 Server: Werkzeug/3.1.3 Python/3.13.2  
3 Date: Mon, 28 Apr 2025 03:50:09 GMT  
4 Content-Type: text/html; charset=utf-8  
5 Content-Length: 180  
6 Vary: Cookie  
7 Set-Cookie: session=.e3YrVspMSc0rySyp1EssLcmIL6ks5FWyivMydFByGSmkFkp1Mmm  
lqcWGSrpkJUMpxblJeamIgnWAgDIjhnE.aA768Q.VDaxb4VCzUP6A298BLkbX6pkhmk; Http  
Only; Path=/  
8 Connection: close  
9  
10 <!doctype html>  
11 <html lang=en>  
12 <title>403 Forbidden</title>  
13 <h1>Forbidden</h1>  
14 <p>&lt;Permission needs={Need(method=&#39;role&#39;, value=&#39;editor&#39;

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

python + - [ ] [ ] ... ^ x

127.0.0.1 - - [27/Apr/2025 23:36:35] "GET /api/data HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET /logout HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:47:55] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /login/admin/adminpass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /login/editor1/editorpass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:49:07] "GET /login/viewer1/viewerpass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:49:07] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:49:36] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:49:51] "GET /admin HTTP/1.1" 403 -  
127.0.0.1 - - [27/Apr/2025 23:50:09] "GET /edit HTTP/1.1" 403 -

act06 > testrest > ...

13 ### Access dashboard (requires login)  
Send Request  
14 GET http://127.0.0.1:5000/dashboard  
15  
16 ### Access admin panel (requires admin role)  
Send Request  
17 GET http://127.0.0.1:5000/admin  
18  
19 ### Access editor panel (requires editor role)  
Send Request  
20 GET http://127.0.0.1:5000/edit  
21  
22 ### Access viewer panel (requires viewer role)  
Send Request  
23 GET http://127.0.0.1:5000/view  
24  
25 ### Access API data (requires viewer role)

1 HTTP/1.1 200 OK  
2 Server: Werkzeug/3.1.3 Python/3.13.2  
3 Date: Mon, 28 Apr 2025 03:50:47 GMT  
4 Content-Type: text/html; charset=utf-8  
5 Content-Length: 274  
6 Vary: Cookie  
7 Set-Cookie: session=.e3YrVspMSc0rySyp1EssLcmIL6ks5FWyivMydFByGSmkFkp1Mmm  
lqcWGSrpkJUMpxblJeamIgnWAgDIjhnE.aA77Fw.X4mxDVfQWqPZPFQ7VPn\_BR58Emw; Http  
Only; Path=/  
8 Connection: close  
9  
10 <!-- templates/viewer\_panel.html -->  
11 <!DOCTYPE html>  
12 <html>  
13 <head>  
14 <title>Panel de Viewer</title>

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

python + - [ ] [ ] ... ^ x

127.0.0.1 - - [27/Apr/2025 23:36:47] "GET /logout HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:36:47] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:47:55] "GET / HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /login/admin/adminpass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:48:31] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /login/editor1/editorpass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:48:48] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:49:07] "GET /login/viewer1/viewerpass HTTP/1.1" 302 -  
127.0.0.1 - - [27/Apr/2025 23:49:07] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:49:36] "GET /dashboard HTTP/1.1" 200 -  
127.0.0.1 - - [27/Apr/2025 23:49:51] "GET /admin HTTP/1.1" 403 -  
127.0.0.1 - - [27/Apr/2025 23:50:09] "GET /edit HTTP/1.1" 403 -  
127.0.0.1 - - [27/Apr/2025 23:50:47] "GET /view HTTP/1.1" 200 -

```
act06 > testrest > GET /get/logout
23 GET http://127.0.0.1:5000/view
24
25 ### Access API data (requires viewer role)
26 Send Request
27 GET http://127.0.0.1:5000/api/data
28
29 ### Logout
30 Send Request
31 GET http://127.0.0.1:5000/logout

1 HTTP/1.1 200 OK
2 Server: Werkzeug/3.1.3 Python/3.13.2
3 Date: Mon, 28 Apr 2025 03:54:11 GMT
4 Content-Type: text/html; charset=utf-8
5 Content-Length: 721
6 Vary: Cookie
7 Set-Cookie: session=.eJyrVspM5c0ySyp1EsslcmIL6ks5FwyivNlydFByG5mQIRqAZu4Ewc.aA774w.V1cd7ZsUmKJmklgt0GgeTGV5DE; HttpOnly; Path=/
8 Connection: close
9
10 <!-- templates/home.html -->
11 <!DOCTYPE html>
12 <html>
13 <head>
14 <title>Inicio</title>
15 </head>
```

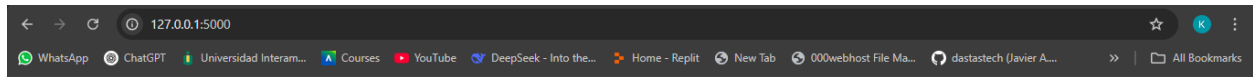
```
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS python +v [] ... ^ x
127.0.0.1 - - [27/Apr/2025 23:52:36] "GET /api/data HTTP/1.1" 403 -
127.0.0.1 - - [27/Apr/2025 23:52:45] "GET /logout HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:52:45] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:52:57] "GET /login/admin/adminpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:52:57] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:52:59] "GET /login/editor1/editorpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:52:59] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:53:00] "GET /login/viewer1/viewerpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:53:00] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:53:12] "GET /admin HTTP/1.1" 403 -
127.0.0.1 - - [27/Apr/2025 23:53:23] "GET /api/data HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:54:11] "GET /logout HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:54:11] "GET / HTTP/1.1" 200 -
```

```
act06 > testrest > GET /logout

23 GET http://127.0.0.1:5000/view
24
25 ### Access API data (requires viewer role)
Send Request
26 GET http://127.0.0.1:5000/api/data
27
28 ### Logout
Send Request
29 GET http://127.0.0.1:5000/logout

1 HTTP/1.1 200 OK
2 Server: Werkzeug/3.1.3 Python/3.13.2
3 Date: Mon, 28 Apr 2025 03:53:23 GMT
4 Content-Type: application/json
5 Content-Length: 41
6 Vary: Cookie
7 Set-Cookie: session=.eJyrVspMSc0rySyp1Esst.cm1l6ksFWyiyivNydFByGSmkFkplWmmlq
  cWGSrPKJUmjxblJeamIgnWAgD1JhnE..aA77sw.YedJwZQuFdMe949D1fqK3maa4V; HttpOnly; Path=/
8 Connection: close
9
10 {
11   "data": "Informacion confidencial"
12 }
```

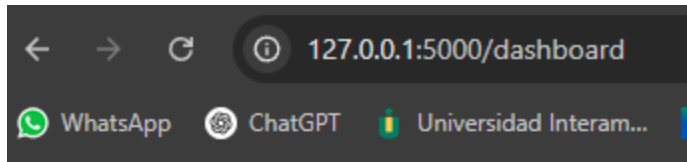
```
127.0.0.1 - - [27/Apr/2025 23:52:25] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:52:25] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:52:36] "GET /api/data HTTP/1.1" 403 -
127.0.0.1 - - [27/Apr/2025 23:52:45] "GET /logout HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:52:45] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:52:57] "GET /login/admin/adminpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:52:57] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:52:59] "GET /login/editor1/editormapass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:52:59] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:53:00] "GET /login/viewer1/viewerpass HTTP/1.1" 302 -
127.0.0.1 - - [27/Apr/2025 23:53:00] "GET /dashboard HTTP/1.1" 200 -
127.0.0.1 - - [27/Apr/2025 23:53:12] "GET /admin HTTP/1.1" 403 -
127.0.0.1 - - [27/Apr/2025 23:53:23] "GET /api/data HTTP/1.1" 200 -
```



## Bienvenido al Sistema de Roles

Usuarios de prueba:

- [Login como Admin](#)
- [Login como Editor](#)
- [Login como Viewer](#)
- [Login como Usuario Multirole](#)

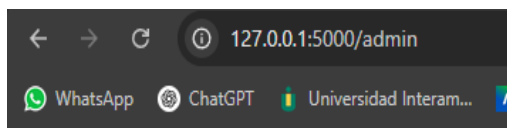


## Dashboard

Bienvenido, admin!

### Acciones disponibles:

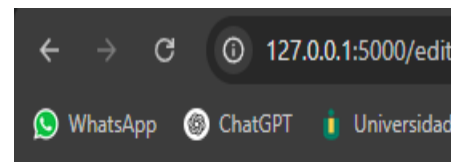
- [Panel de Administración](#)
- [Panel de Edición](#)
- [Panel de Visualización](#)
- [Ver datos de API](#)
- [Cerrar sesión](#)
- **Login exitoso**



## Panel de Administración

Solo visible para usuarios con rol 'admin'.

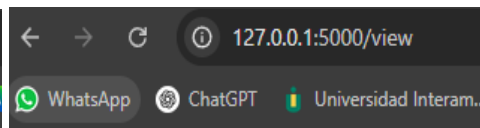
[Volver al Dashboard](#)



## Panel de Edición

Solo visible para usuarios con rol 'editor'.

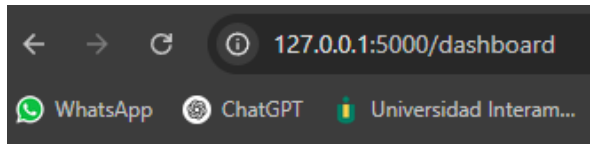
[Volver al Dashboard](#)



## Panel de Visualización

Solo visible para usuarios con rol 'viewer'.

[Volver al Dashboard](#)

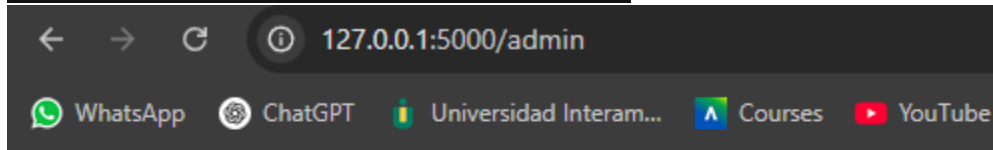
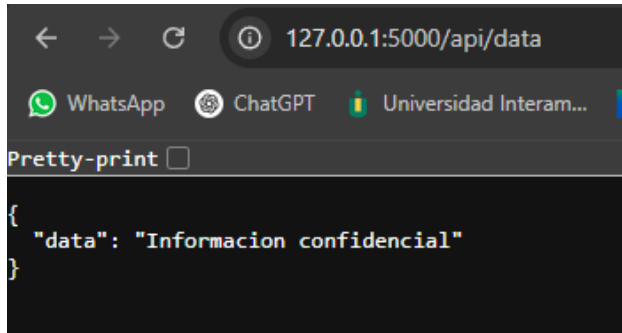


## Dashboard

Bienvenido, editor1!

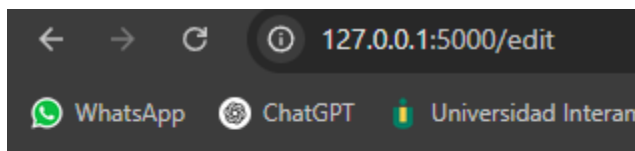
### Acciones disponibles:

- [Panel de Administración](#)
- [Panel de Edición](#)
- [Panel de Visualización](#)
- [Ver datos de API](#)
- [Cerrar sesión](#)
- Login exitoso



## Forbidden

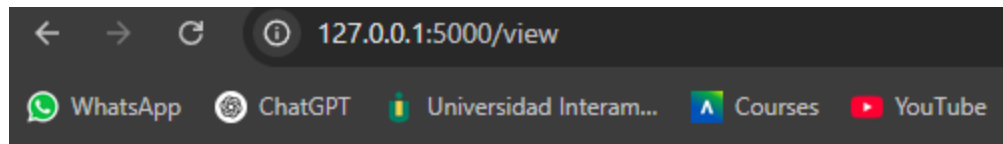
<Permission needs={Need(method='role', value='admin')} excludes=set()>



## Panel de Edición

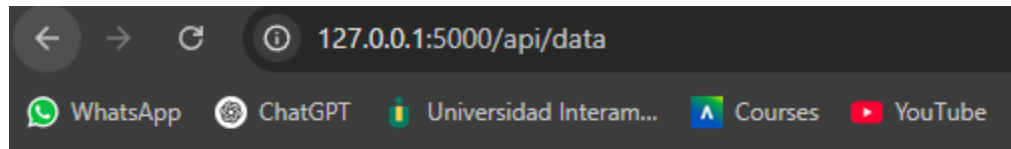
Solo visible para usuarios con rol 'editor'.

[Volver al Dashboard](#)



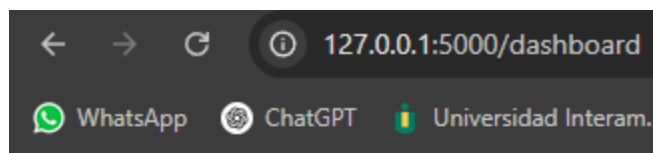
## Forbidden

<Permission needs={Need(method='role', value='viewer')} excludes=set()>



## Forbidden

<Permission needs={Need(method='role', value='viewer')} excludes=set()>

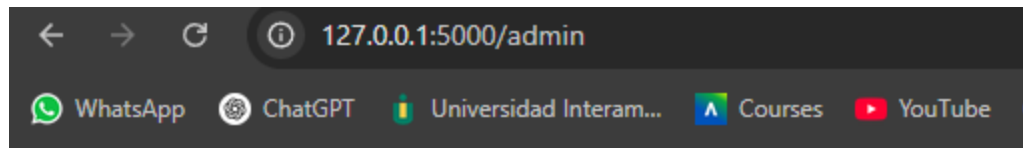


## Dashboard

Bienvenido, viewer1!

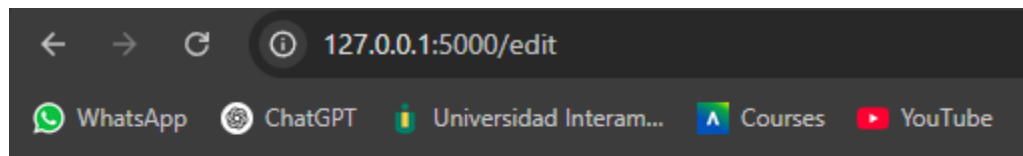
### Acciones disponibles:

- [Panel de Administración](#)
- [Panel de Edición](#)
- [Panel de Visualización](#)
- [Ver datos de API](#)
- [Cerrar sesión](#)
- Login exitoso



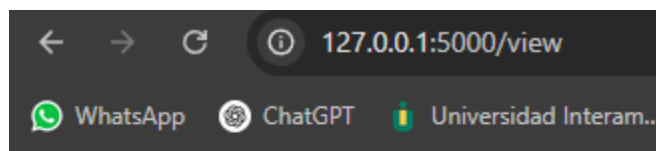
## Forbidden

<Permission needs={Need(method='role', value='admin')} excludes=set(>



## Forbidden

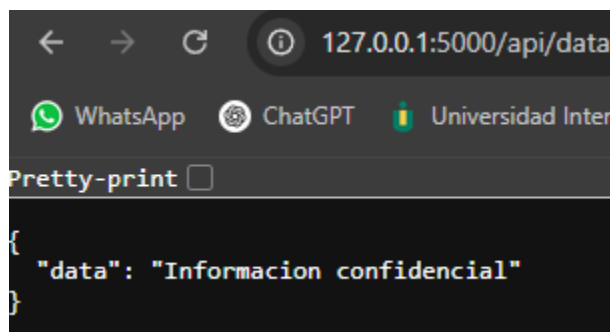
<Permission needs={Need(method='role', value='editor')} excludes=set(>

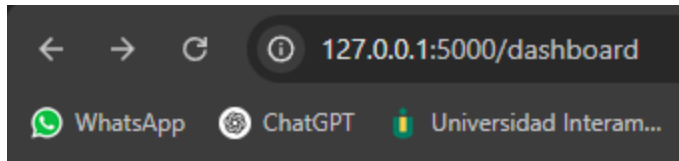


## Panel de Visualización

Solo visible para usuarios con rol 'viewer'.

[Volver al Dashboard](#)



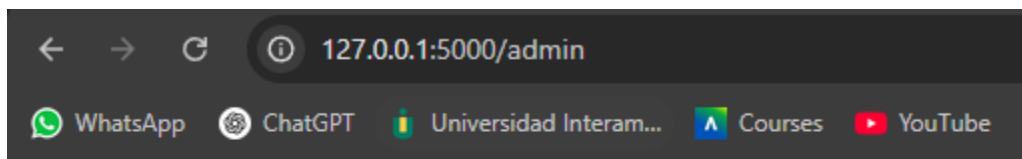


# Dashboard

Bienvenido, multirole!

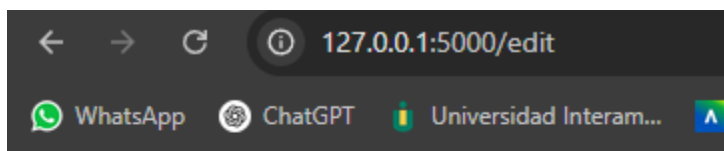
## Acciones disponibles:

- [Panel de Administración](#)
- [Panel de Edición](#)
- [Panel de Visualización](#)
- [Ver datos de API](#)
- [Cerrar sesión](#)
- Login exitoso



# Forbidden

<Permission needs={Need(method='role', value='admin')} excludes=set()>

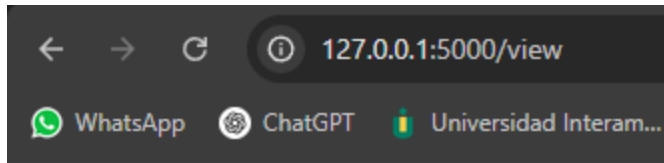


# Panel de Edición

Solo visible para usuarios con rol 'editor'.

[Volver al Dashboard](#)

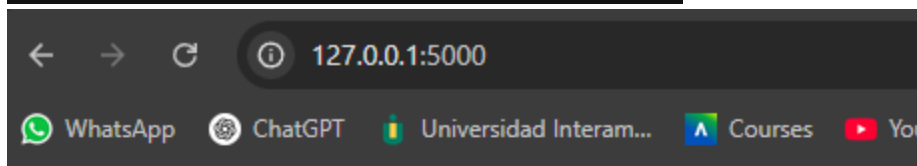
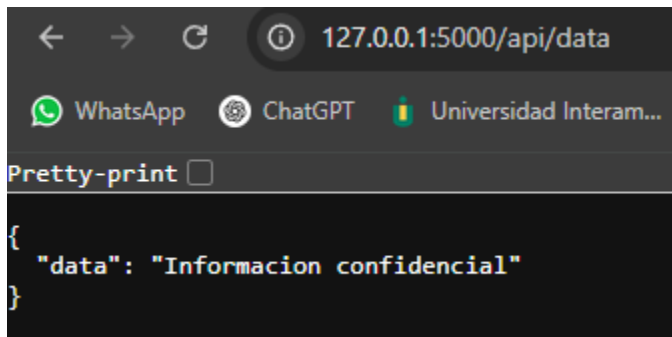




## Panel de Visualización

Solo visible para usuarios con rol 'viewer'.

[Volver al Dashboard](#)



## Bienvenido al Sistema de Roles

- [Has cerrado sesión](#)

### Usuarios de prueba:

- [Login como Admin](#)
- [Login como Editor](#)
- [Login como Viewer](#)
- [Login como Usuario Multirole](#)

### Pruebas Realizadas

Se realizaron pruebas con los siguientes usuarios:

1. **Admin (admin/adminpass):**

- Acceso a todos los paneles (admin, editor, viewer)
- Acceso a datos de API

**2. Editor (editor1/editorpass):**

- Acceso solo a panel de editor y viewer
- Denegado para panel de admin

**3. Viewer (viewer1/viewerpass):**

- Acceso solo a panel de viewer
- Denegado para paneles de admin y editor

**4. Usuario multirol (multirole/multipass):**

- Acceso a paneles de editor y viewer
- Denegado para panel de admin

<https://github.com/Seliz05/COMP-2052/tree/main/act06>