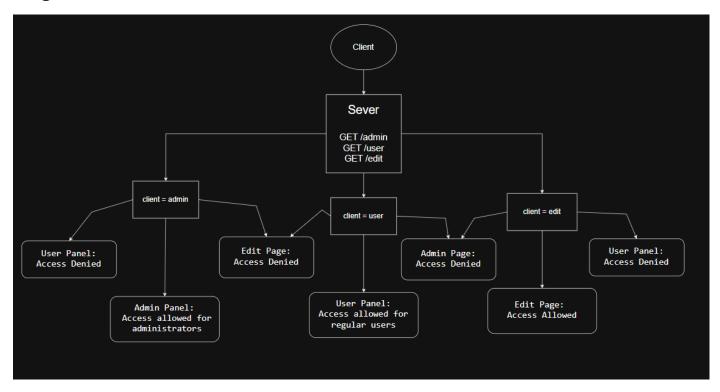
Actividad: Módulo 3 - Lección 2

Repositorio: https://github.com/AdrianaM2S/Comp2052.Actividad-M3-Lecc2

Diagrama:



Código Corriendo:

Página principal (Todo los usuarios tiene acceso):

```
Response(7ms) ×
                                                                                                                                                    8 8 8 8
from flask_principal import Princi
                                                                                                  1 HTTP/1.1 200 OK
                                                                                                    Server: Werkzeug/3.1.3 Python/3.12.5
                                                                                                    Date: Mon, 21 Apr 2025 02:52:40 GMT
app.config["SECRET_KEY"] = "secret"
                                                 GET http://127.0.0.1:5000/
                                                                                                  4 Content-Type: text/html; charset=utf-8
                                                                                                    Set-Cookie: session=eyJpZGVudGl0eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                     kZW50aXR5LmlkIjoiYWRtaW4ifQ.aAWy-A.K4rtaVYUxIVFxS_peeBD1YHx
                                                                                                     zwQ; HttpOnly; Path=/
                                                GET http://127.0.0.1:5000/admin
admin_permission = Permission(Role
                                                                                                    Connection: close
user_permission = Permission(RoleN
edit_permission = Permission(RoleN
                                                                                                 10 Welcome to the Main Page!
current_user = {"role": "admin"}
                                                 GET http://127.0.0.1:5000/user
@app.before_request
def set identity():
   if current_user["role"] == "ad
       identity_changed.send(app,
                                           18 GET http://127.0.0.1:5000/edit
    elif current_user["role"] ==
       identity_changed.send(app,
    elif current_user["role"] ==
       identity_changed.send(app,
        identity_changed.send(app,
def index():
```

Role es un Admin:

User como Admin entrando al "Admin Panel" (Tiene acceso):

```
HTTP/1.1 200 OK
from flask_principal import Princi
                                                                                                           Server: Werkzeug/3.1.3 Python/3.12.5
                                                                                                          Date: Mon, 21 Apr 2025 02:53:32 GMT
app = Flask( name )
app.config["SECRET_KEY"] = "secret
                                                   GET http://127.0.0.1:5000/
                                                                                                        4 Content-Type: text/html; charset=utf-8
                                                                                                        5 Content-Length: 46
                                                                                                       6 Vary: Cookie
Principal(app)
                                                                                                        7 Set-Cookie: session=eyJpZGVudGl@eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                           kZW50aXR5LmlkIjoiYWRtaW4ifQ.aAWzLA.sc_txUu8tNIaE7iRedddnCJ_
                                                                                                           _Ng; HttpOnly; Path=/
admin_permission = Permission(Role
                                                   GET http://127.0.0.1:5000/admin
                                                                                                       8 Connection: close
user_permission = Permission(RoleN
edit_permission = Permission(RoleN
                                                                                                       10 Admin Panel: Access allowed for administrators
# Gives the user the role of admin
current_user = {"role": "admin"}
                                                   GET http://127.0.0.1:5000/user
    if current_user["role"] == "ad
    identity_changed.send(app,
elif current_user["role"] == "
                                              18 GET http://127.0.0.1:5000/edit
        identity_changed.send(app,
    elif current_user["role"]
        identity_changed.send(app,
        identity_changed.send(app,
@app.route('/')
def index():
```

User como Admin entrando al "User Panel" (NO Tiene acceso):

```
mequest.http
                                                                                            Response(4ms)
                                                                                              1 HTTP/1.1 403 FORBIDDEN
from flask_principal import Princi
                                                                                                 Server: Werkzeug/3.1.3 Python/3.12.5
                                                                                                 Date: Mon, 21 Apr 2025 02:54:23 GMT
app.config["SECRET_KEY"] = "secret"
                                               GET http://127.0.0.1:5000/
                                                                                              4 Content-Type: text/html; charset=utf-8
                                                                                                 Set-Cookie: session=eyJpZGVudGl@eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                 kZW50aXR5LmlkIjoiYWRtaW4ifQ.aAWzXw.wDiVNhSOoXzAOBCzzTUdRqpD
                                                                                                  F8A; HttpOnly; Path=/
admin_permission = Permission(Role
                                               GET http://127.0.0.1:5000/admin
user_permission = Permission(RoleN
edit_permission = Permission(RoleN
                                                                                             10 Access Denied: You don't have the necessary permissions
current_user = {"role": "admin"}
                                              GET http://127.0.0.1:5000/user
@app.before_request
def set identity():
   if current_user["role"] == "ad
       identity_changed.send(app,
                                          18 GET http://127.0.0.1:5000/edit
       identity_changed.send(app,
    elif current_user["role"] ==
       identity_changed.send(app,
       identity_changed.send(app,
```

User como Admin entrando al "Edit Panel" (NO Tiene acceso):

```
HTTP/1.1 403 FORBIDDEN
from flask_principal import Princi
                                                                                                              Server: Werkzeug/3.1.3 Python/3.12.5
app = Flask( name )
                                                                                                              Date: Mon, 21 Apr 2025 02:54:23 GMT
app.config["SECRET_KEY"] = "secret
                                                     GET http://127.0.0.1:5000/
                                                                                                              Content-Type: text/html; charset=utf-8
                                                                                                             Content-Length: 55
Principal(app)
                                                                                                             Set-Cookie: session=eyJpZGVudGl0eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                              kZW50aXR5LmlkIioiYWRtaW4ifO.aAWzXw.wDiVNhSOoXzAOBCzzTUdRqpD
                                                                                                              F8A; HttpOnly; Path=/
                                                     GET http://127.0.0.1:5000/admin
admin_permission = Permission(Role
                                                                                                          8 Connection: close
user_permission = Permission(RoleN
edit_permission = Permission(RoleN
                                                                                                         10 Access Denied: You don't have the necessary permissions
# Gives the user the role of admin
current_user = {"role": "admin"}
                                                     GET http://127.0.0.1:5000/user
    identity_changed.send(app,
elif current_user["role"] == "
                                                     GET http://127.0.0.1:5000/edit
         identity_changed.send(app,
        identity_changed.send(app,
        identity_changed.send(app,
# Main page accessible to everyone
@app.route('/')
```

Role es un User:

User como User entrando al "Admin Panel" (NO Tiene acceso):

```
HTTP/1.1 403 FORBIDDEN
 from flask principal import Princi
                                                                                                                 Server: Werkzeug/3.1.3 Python/3.12.5
 app = Flask(__name__)
 app.config["SECRET_KEY"] = "secret
                                                      GET http://127.0.0.1:5000/
                                                                                                                Content-Length: 55
                                                                                                                Vary: Cookie
                                                                                                             7 Set-Cookie: session=eyJpZGVudGl0eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                                 kZW50aXR5LmlkIjoidXNlciJ9.aAWz2w.EmOLJ9cntqD1udr0Thvt3YQ_u4
# Creates permissions based on rol
admin_permission = Permission(Role
                                                                                                                 k; HttpOnly; Path=/
                                                      GET http://127.0.0.1:5000/admin
                                                                                                            8 Connection: close
 user_permission = Permission(RoleN
edit_permission = Permission(RoleN
                                                                                                           10 Access Denied: You don't have the necessary permissions
# Gives the user the role of admin
current_user = {"role": "user"}
                                                      GET http://127.0.0.1:5000/user
 def set identity():
     if current_user["role"] == "ad
          identity_changed.send(app,
     elif current_user["role"] == "
  identity_changed.send(app,
                                                      GET http://127.0.0.1:5000/edit
     elif current_user["role"] =
         identity_changed.send(app,
          identity_changed.send(app,
```

User como User entrando al "User Panel" (Tiene acceso):

```
6 6 6 6
 from flask_principal import Princi
                                                                                                 HTTP/1.1 200 OK
                                                                                                 Server: Werkzeug/3.1.3 Python/3.12.5
app = Flask(__name__)
                                                                                                 Date: Mon, 21 Apr 2025 02:57:10 GMT
 app.config["SECRET_KEY"] = "secret
                                                                                                 Content-Type: text/html; charset=utf-8
                                               GET http://127.0.0.1:5000/
                                                                                                 Set-Cookie: session=eyJpZGVudGl@eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                 kZW50aXR5LmlkIjoidXNlciJ9.aAW0Bg.9P5nl09R7MMxtRutoWnoG_rxeu
admin_permission = Permission(Role
                                               GET http://127.0.0.1:5000/admin
user_permission = Permission(RoleN
edit_permission = Permission(RoleN
                                                                                             10 User Panel: Access allowed for regular users
current_user = {"role": "user"}
                                               GET http://127.0.0.1:5000/user
    if current user["role"] == "ad
       identity_changed.send(app,
                                               GET http://127.0.0.1:5000/edit
    elif current_user["role"] =
        identity_changed.send(app,
    elif current_user["role"] ==
        identity_changed.send(app,
       identity_changed.send(app,
```

User como User entrando al "Edit Panel" (NO Tiene acceso):

```
HTTP/1.1 403 FORBIDDEN
 from flask_principal import Princi
                                                                                                       Server: Werkzeug/3.1.3 Python/3.12.5
                                                                                                       Date: Mon, 21 Apr 2025 02:57:43 GMT
 app = Flask( name )
 app.config["SECRET_KEY"] = "secret
                                                  GET http://127.0.0.1:5000/
                                                                                                       Content-Type: text/html; charset=utf-8
                                                                                                    5 Content-Length: 55
                                                                                                       Vary: Cookie
Principal(app)
                                                                                                       Set-Cookie: session=eyJpZGVudGl@eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                       kZW50aXR5LmlkIjoidXNlciJ9.aAW0Jw.S-Kl7 mvWWrPBXcoAbr8lgGXRp
                                                                                                       A; HttpOnly; Path=/
admin_permission = Permission(Role
                                                  GET http://127.0.0.1:5000/admin
                                                                                                    8 Connection: close
user_permission = Permission(RoleN edit_permission = Permission(RoleN
                                                                                                   10 Access Denied: You don't have the necessary permissions
# Gives the user the role of admin
current_user = {"role": "user"}
                                                  GET http://127.0.0.1:5000/user
@app.before_request
    if current_user["role"] == "ad
        identity_changed.send(app,
                                                  GET http://127.0.0.1:5000/edit
     elif current_user["role"] ==
         identity_changed.send(app,
     elif current_user["role"] =
        identity_changed.send(app,
         identity_changed.send(app,
@app.route('/')
```

Role es Edit:

User como Edit entrando al "Admin Panel" (NO Tiene acceso):

```
HTTP/1.1 403 FORBIDDEN
from flask_principal import Princi
                                                                                                    Server: Werkzeug/3.1.3 Python/3.12.5
                                                                                                   Date: Mon, 21 Apr 2025 02:58:32 GMT
app = Flask(__name__)
app.config["SECRET_KEY"] = "secret
                                                GET http://127.0.0.1:5000/
                                                                                                   Content-Type: text/html; charset=utf-8
                                                                                                   Content-Length: 55
                                                                                                   Vary: Cookie
Principal(app)
                                                                                                   Set-Cookie: session=eyJpZGVudGl0eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                   kZW50aXR5LmlkIjoiZWRpdCJ9.aAW0WA.LRAJzkcyFhqC89fNG-Csw3IgZe
                                                                                                   E; HttpOnly; Path=/
admin_permission = Permission(Role | )
                                                GET http://127.0.0.1:5000/admin
                                                                                                8 Connection: close
user_permission = Permission(RoleN
edit_permission = Permission(RoleN
                                                                                               10 Access Denied: You don't have the necessary permissions
                                                GET http://127.0.0.1:5000/user
   if current_user["role"] == "ad
       identity_changed.send(app,
                                                GET http://127.0.0.1:5000/edit
    elif current_user["role"] ==
       identity_changed.send(app,
    elif current_user["role"] ==
       identity_changed.send(app,
       identity_changed.send(app,
# Main page accessible to everyone
@app.route('/')
def index():
```

User como Edit entrando al "User Panel" (NO Tiene acceso):

```
ு ⊝ 🗗 🗆
                                                                                                          HTTP/1.1 403 FORBIDDEN
     from flask_principal import Princi
                                                                                                           Server: Werkzeug/3.1.3 Python/3.12.5
                                                                                                          Date: Mon, 21 Apr 2025 02:59:04 GMT
     app = Flask( name )
     app.config["SECRET_KEY"] = "secret'
                                                      GET http://127.0.0.1:5000/
                                                                                                          Content-Type: text/html; charset=utf-8
                                                                                                          Content-Length: 55
                                                                                                          Vary: Cookie
                                                                                                          Set-Cookie: session=eyJpZGVudGl0eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                          kZW50aXR5LmlkIjoiZWRpdCJ9.aAW0eA.tqUjaDF1XwwkzFjEBojcZC43fY
                                                                                                           E; HttpOnly; Path=/
     admin_permission = Permission(Role
                                                      GET http://127.0.0.1:5000/admin
     user_permission = Permission(RoleN
     edit_permission = Permission(RoleN
                                                                                                      10 Access Denied: You don't have the necessary permissions
# Gives the user the role of admin
current_user = {"role": "edit"}
                                                      GET http://127.0.0.1:5000/user
     @app.before_request
         if current_user["role"] == "ad
            identity_changed.send(app,
                                                      GET http://127.0.0.1:5000/edit
         elif current_user["role"] ==
         identity_changed.send(app,
elif current_user["role"] == "
            identity_changed.send(app,
            identity_changed.send(app,
     @app.route('/')
```

User como Edit entrando al "Edit Panel" (Tiene acceso):

```
Response(6ms) ×
                                                                                                                                                         HTTP/1.1 200 OK
     from flask_principal import Princi
                                                                                                          Server: Werkzeug/3.1.3 Python/3.12.5
     app = Flask(__name__)
     app.config["SECRET_KEY"] = "secret
                                                     GET http://127.0.0.1:5000/
                                                                                                          Content-Type: text/html; charset=utf-8
                                                                                                          Vary: Cookie
    Principal(app)
                                                                                                          Set-Cookie: session=evJpZGVudGl0eS5hdXRoX3R5cGUiOm51bGwsIml
                                                                                                          kZW50aXR5LmlkIjoiZWRpdCJ9.aAW0lw.G1DBx3c3FVOpR-XF8aOwCC4ozb
                                                                                                          g; HttpOnly; Path=/
    admin_permission = Permission(Role
                                                     GET http://127.0.0.1:5000/admin
                                                                                                          Connection: close
     user_permission = Permission(RoleN
     edit_permission = Permission(RoleN
                                                                                                     10 Edit Page: Access Allowed
# Gives the user the role of admin
current_user = {"role": "edit"}
                                                     GET http://127.0.0.1:5000/user
    @app.before_request
         if current_user["role"] == "ad
            identity_changed.send(app,
                                                     GET http://127.0.0.1:5000/edit
         elif current_user["role"] ==
                                                19
            identity_changed.send(app,
         elif current_user["role"] ==
            identity_changed.send(app,
            identity_changed.send(app,
    # Main page accessible to everyon @app.route('/')
     def index():
```