**Apache Lab1**

**Team 4**

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1. Install Apache HTTP server

sudo apt update

sudo apt install apache2

2. Create two simple html pages named “page1.html, page2.html” then use the suitable directive to automatically redirect from localhost/page1.html to localhost/page2.html.

(solution)

# start server

sudo service apache2 start

# restart server

sudo service apache2 restart

cd /var/www/html

sudo mkdir -p lab1/q{2..6}

cd lab1/q2

sudo touch page1.html page2.html .htaccess

# Inside the file .htaccess

RewriteEngine On

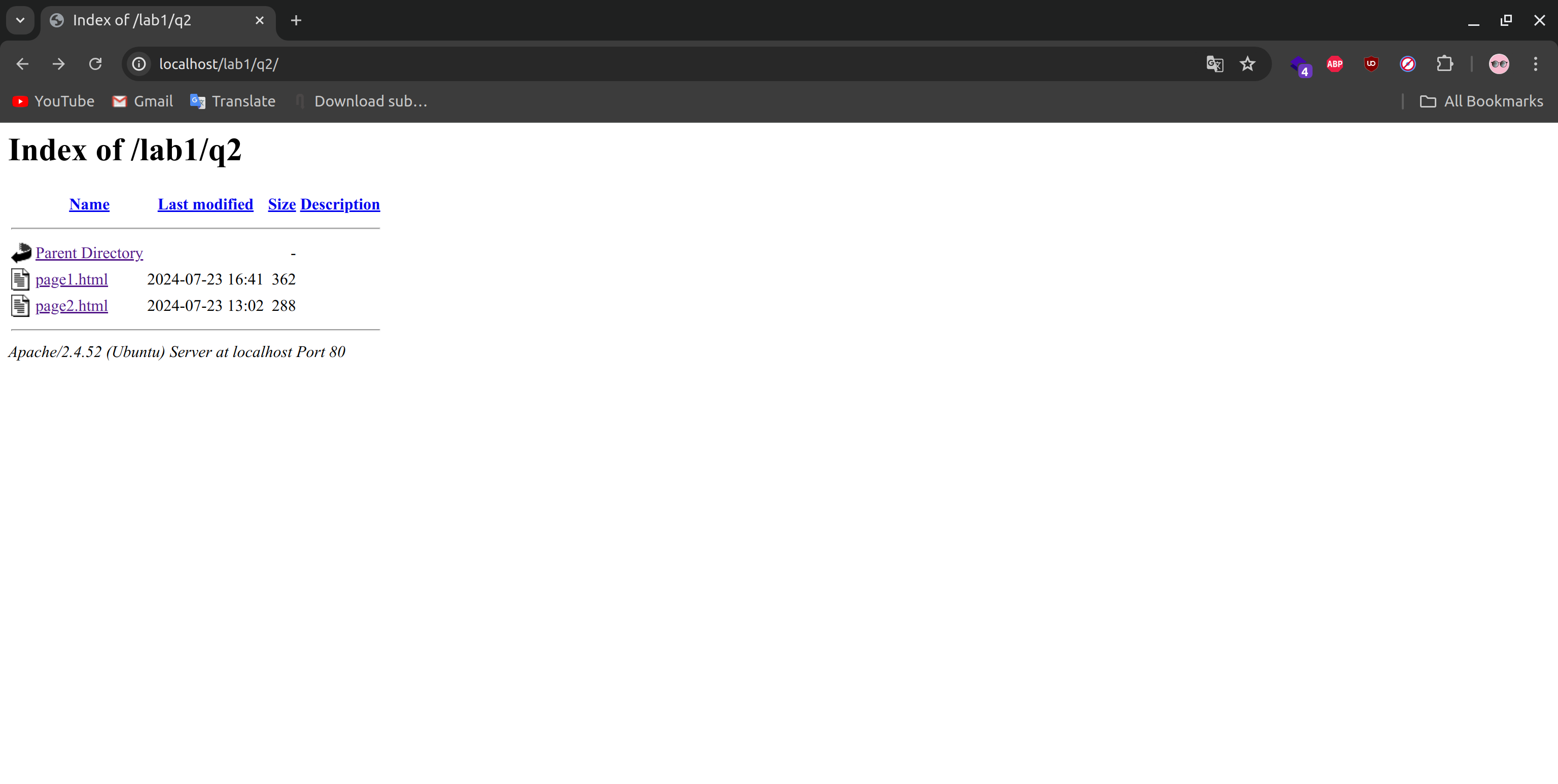
RewriteRule ^page1\.html$ /lab1/q2/page2.html [R=301,L]

# Inside the file apache2.conf

<Directory /var/www/html/lab1/q2>

AllowOverride All

</Directory>



3. Ask for user name and password when accessing a directory

(solution)

# Inside the file apache2.conf

# lab1 q3

<Directory /var/www/html/lab1/q3>

AuthType Basic

AuthName "Please enter your creds"

AuthUserFile /var/www/html/.htpasswd

Require valid-user

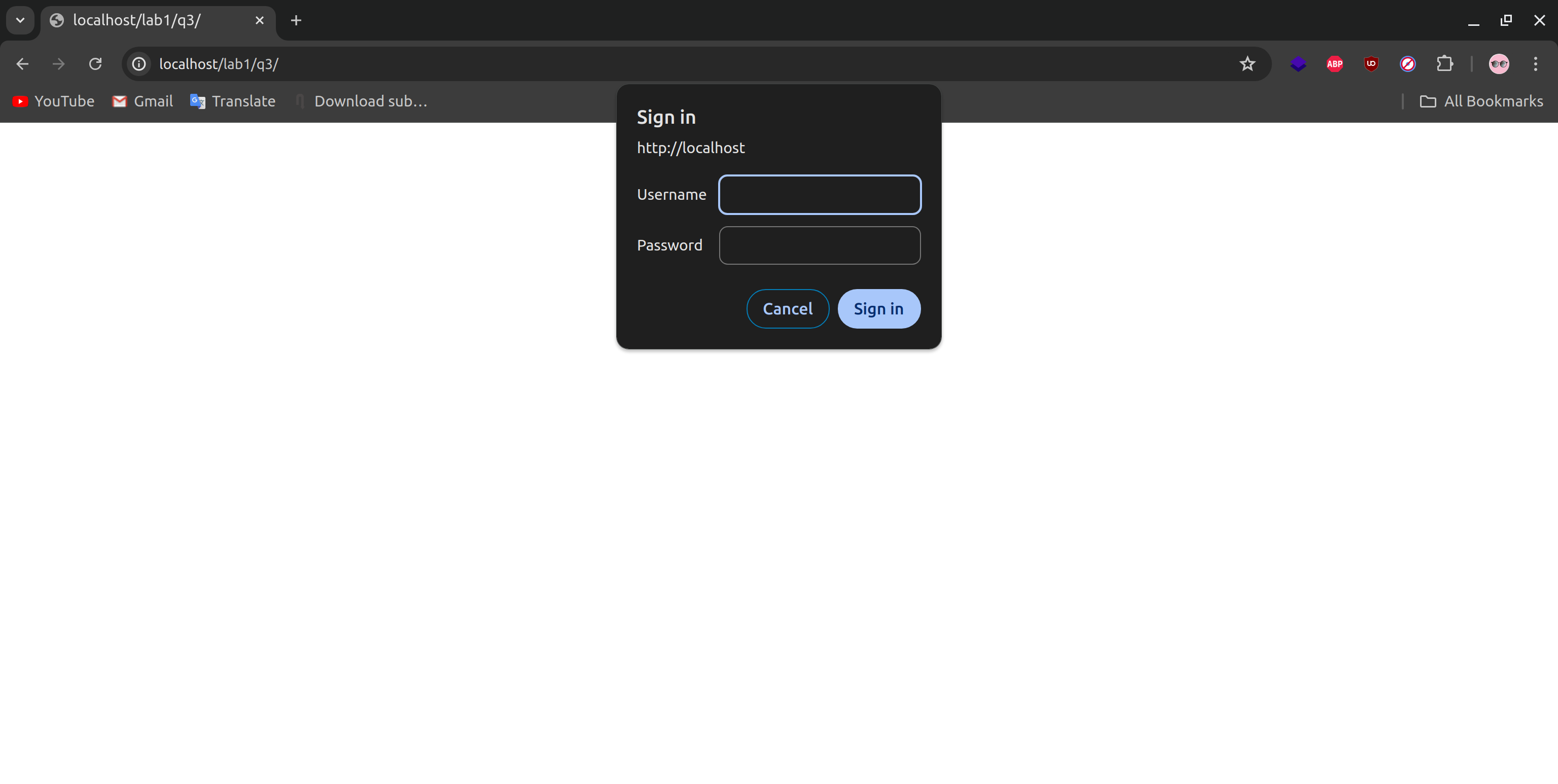
</Directory>

# In the terminal

sudo htpasswd -c /var/www/html/.htpasswd admin

new password

123123



4. Apply authentication before downloading PDF files.

(solution)

# Inside the file apache2.conf

# lab1 q4

<FilesMatch "\.pdf$">

AuthType Basic

AuthName "Restricted Content"

AuthUserFile /var/www/html/.htpasswd

Require valid-user

</FilesMatch>

5. Create a directory then allow access to one of your classmates only.

(solution)

# Inside the file apache2.conf

# lab1 q5

<Directory /var/www/html/lab1/q5>

Deny from all

Allow from 154.178.254.39

Allow from 154.178.253.220

Allow from 41.68.71.101

Allow from 154.178.232.64

Order Deny,Allow

</Directory>

6. Disable listing the directory content (hint use indexs)

(solution)

cd q6

sudo touch .htaccess

# Inside the file .htaccess

Options -Indexes

# Inside the file apache2.conf

# lab1 q6

<Directory /var/www/html/lab1/q6>

AllowOverride All

</Directory>

