FLASK

+Login System+

DESCRIPTION

In this assignment students are asked to implement the basic functionality of a login system, using the Flask web framework. The assignment should consist of (at least) four (4) different views and the necessary accompanying templates.
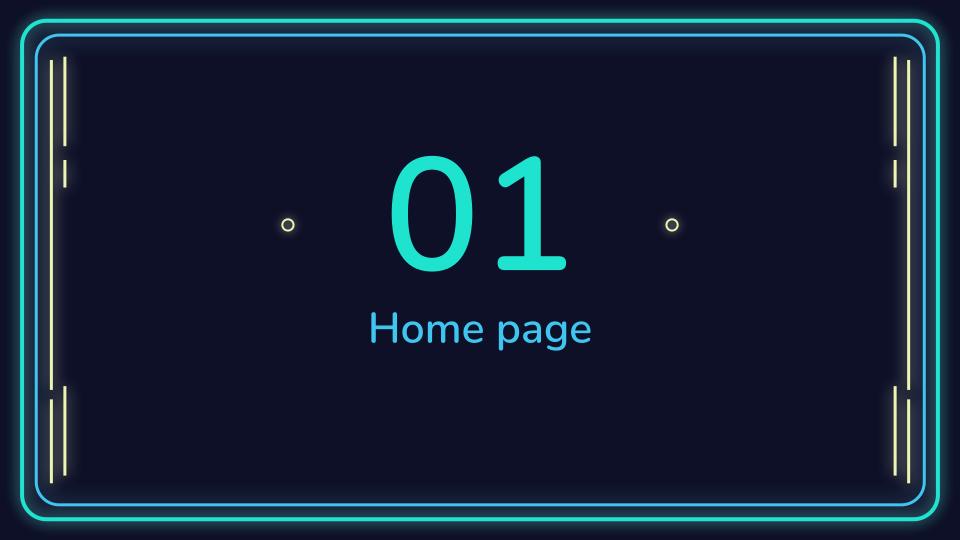
VIEWS

+   +

01 Home page

02 Login

03 Profile

04 Logout

01

Home page

The first view will refer to the "home page" (route "/"), in which the following must be displayed:
- if the user has already logged in must appear:

    a) the username of the user, which will be a link for the page with the user profile (route "/ profile / <username>")

    b) a link for the logout (route "/ logout"). If the user has not logged in yet there should simply be a link for this view (route "/ login").

02

Login

The second view (route "/ login") will concern login management. This view should be managed by both the GET and the POST method / verb. In the first case (GET) an appropriate form will appear ("username", "password") which will "POST" itself. In the second (POST):

a) the validity of the data should be checked, through a database

b) the username should be recorded in the session

c) the profile view should be redirected. If the information is incorrect the user returns to the form, where an appropriate message is displayed.

03

Profile

The third route ("/ profile / <username>") will refer to a "protected" view which will refer to user profiles. Each user will see in it their data, as they have been "read" from a database. There must be at least the full username and an email. If the username does not correspond to a user, error 401 will be returned. If the user exists but has not logged in yet, the corresponding form should be redirected. If the username on the route does not match the user who has already logged in, error 401 will be returned.

04

Logout

The last view ("/ logout"), which is the only one that is not accompanied by a template, will remove the username from the session and redirect the user to the "home page".

Extras

- A base template that will contain the common elements of the other templates.
- Error management pages (401, 404).
- Easter egg

DEMO CREDENTIALS

Username	Password
admin	admin
Marios123	marios123
Dwight22	12345

EASTER EGG CREDENTIALS

Username	Password
nbilalis	in.gr

Thanks

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GitHub repo: flask-login