Seminar 2 (preparation for Lab 3) – EPAW

This seminar is divided into two parts. The first one refers to the general design of your web application. The second one will be focused on how to correctly design the login of your web application using the Model View Controller (MVC).

General design

In the final lab, you will have to implement your own version of Twitter. In this Seminar, you will explore how to build that kind of a web application from scratch. To help you to structure your mind and also evaluate you, we have defined some mandatory components that your web application should have to pass the course:

- System must contemplate three type of users:
    o Anonymous.
    o Registered.
    o Administrators.
- Minimum information per user:
    o Personal page (public part).
    o User profile (private part).
    o Tweets (published tweets).
- Each user can publish tweets and delete them.
- Users can follow/unfollow other users.
- An admin user can edit/delete:
    o User accounts.
    o Personal pages, profiles and Tweets.

You can add whatever functionality you think it would improve your site. However, consider that it should be implemented by the end of this course.

Task 1: Define the specifications of your web app components. You should use UML diagrams (Use case diagram , Sequence diagram, Class diagram).

Design the Login functionality using the MVC

In Lab 3 you will implement the login of your final web application. Apart from the specifications you must decide how to <u>specifically</u> implement each functionality using the MVC.

Basic login specifications:

- Form to input user and password.
- Check if user and password are correct.
- Create a session.
- Show the user if the login has been done correctly or not (resend the form).

Task 2: Define the MVC diagram:

- Define which specifications must be done in each component.
- Define how each component is related to the others. Take also the user into account.

Submission: PDF file with the specification of your defined web app modules and a MVC

diagram of your log in.