

**CTIS 256**  
**Web Technologies 2**  
PROJECT  
Spring 2023

**Deadline :** 05 June 2023, Monday

**Team Size:** 4 students ( from any sections)

**Presentation:** The team (all members) will demonstrate their project with a laptop at my office on 5<sup>th</sup> of June.

**Submission:** One of the team member will submit all project files in a zip by 05 June.

**Demonstrations:** Time slots will be announced later.

**TOPIC**

You will implement a **basic** social network functionality. The user can share text messages and/or images as posts, add/remove friends, and be able to see friends' posts.

**Requirements:**

- **(10Pts)** The system will register new users. It will ask for name, surname, email, birth date, and profile picture. Use validation and verification.
- **(10Pts)** The users will login into the system by email and password.
- **(15Pts)** The users can add a new post composed of text and/or image seen by their friends.
- **(15Pts)** The users will see the posts shared by their friends on the timeline. At a time, it shows up to 10 posts, at the end of the posts, a next button retrieve the next 10 posts. (alternatively you can use AJAX to retrieve posts automatically based on scroll position)
- **(15Pts)** The friends can make comments on the posts, and may check like or unlike buttons. Use AJAX for the comments/like/unlike parts.
- **(15Pts)** A searching mechanism by name, surname and emails will be used to find the friends. Adding a friend sends an invitation as a notification, if the invitation is accepted, two people become friends.
- **(10Pts)** The users can see their friends in a list, and they can remove any friend. When users delete a friend, a notification is sent to the corresponding friend.
- **(10Pts)** Application should be protected from sql injection, XSS, CSRF attacks. It should use hashed passwords.
- **Here is the general outline of the project. Complete the missing or unclear parts using your own initiative.**
- I suggest you use html templates, third party jQuery plugins and/or bootstrap-like css frameworks for frontend.
- Everybody will contribute something to the project.
- **(-20Pts) Sloppy user interface**