Node JS

In this Lab session, we will use NodeJS with some packages. Packages that will be used “express”, “fs” and “multer”.

# Goal

The goal is to implement a basic html page creation client interface.

# Step1

When the client opens their page, they will be able to contact a node server to create a personalized page for them. The main client page contains the following:

1) A textbox for name input

2) A textarea for a short description paragraph

3) A textbox to insert an image url

4) A radio button for gender(male and female)

5) A calendar input for birthday

6) A colorpicker input for favorite color

7) A file input to upload an image

8) A button to submit

Kindly use the html file on blackboard. It includes step1.

# Step2

When a user clicks on the submit button, they send a post request to a nodejs server. The node server uses the post information to return an html page (it is created dynamically in the nodejs code) that:

1) Has a heading containing the name

2) A paragraph containing the description

3) An image containing the image url

4) A paragraph containing gender

5) A paragraph containing the birthday

6) A paragraph containing the favorite color

The node server also saves this html return in an html file named after the user (e.g. Hussein.html) in the “public/” directory(use fs module).

Also you have to save the image that the user uploaded in /uploads directory(use multer module).

# Step3

If the user enters a name that was already used before, the node server should send back the html file that exists already, disregarding the user’s new attempt.