

National University of Computer and Emerging Sciences, Lahore Campus



Course:	Web Programming	Course Code:	CS-440
Program:	BS (Computer Science)	Semester:	Spring 2018
Duration:	60 Minutes	Total Marks:	25
Paper Date:	13-Apr-18	Weight	12.5 %
Section:	A & B	Page(s):	1
Exam:	Midterm-II	Reg. No.	

Instruction/Notes: This exam is open books and open notes.

Consider a photo-sharing application like Flickr, supporting a slideshow page displaying random photos. A photo comprises of a url and an optional description. Page updates the photo shown with another random photo after a specified time interval (in **query string**) that defaults to 5 seconds.



Show implementation of the slideshow page, using any technology of your choice, such that the implementation:

- adheres to MVC principles (clearly highlighting Model, View and Controller parts in your implementation and the control flow, considering the technology used) **15 points**
- uses AJAX for fetching a photo from the webserver (in order to avoid reloading the entire page) **10 points**

Hint: A Javascript function [setInterval\(function,interval\)](#) executes a function supplied as the parameter, repeatedly after the lapse of the specified interval (in milliseconds) until [clearInterval\(\)](#) is called or the window is closed.