# Department of Computing

**CS344: Web Engineering**

**Class: BESE – 4AB**

# Lab 8: Angular JS

**Date: 17th November, 2015**

# Time: 10:00 AM - 01:00 PM & 02:00 PM – 05:00

# Instructor: Fahad Ahmed Satti

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# Lab 8: Angular JS

## Description

In today’s lab the students will make a calendar in AngularJS and show weather data from at least today. Since the Yahoo API is not very often available for islamabad, the students can use the following query to get weather data:  
[https://query.yahooapis.com/v1/public/yql?q=select%20\*%20from%20weather.forecast%20where%20woeid%20in%20(select%20woeid%20from%20geo.places(1)%20where%20text%3D%22islamabad%22)&format=json&env=store%3A%2F%2Fdatatables.org%2Falltableswithkeys](https://query.yahooapis.com/v1/public/yql?q=select%20*%20from%20weather.forecast%20where%20woeid%20in%20(select%20woeid%20from%20geo.places(1)%20where%20text%3D%22islamabad%22)&format=json&env=store%3A%2F%2Fdatatables.org%2Falltableswithkeys)

They should then save this information in local storage. For all the dates before today, the script should look for data in the local storage and for the current week or today only; pick data from the above query.

## Objectives

* Make a calendar in AngularJS.
* Show weather data from at least today.
* Use the query provided to get the weather data.
* User should save the information in local storage.
* For dates before today, it should look for data in local storage.
* Use a Version Control System (VCS) to manage solutions.

## Tools/Software Requirement

* Solutions should be made using HTML5, CSS3, JavaScript, AngularJS and PouchDB.
* Besides LMS, Students must also use GitHub and upload their complete solutions and a description document on it.

## Pitfalls

* Any exceptions or errors leading to non-execution of submitted code.
* Failure to upload the solution to GitHub or not sharing the public repo link on LMS.
* Using any framework or programming language not mentioned above.
* Failure to explain the submission, during viva.

## Deliverables

* Upload the full solution on GitHub in a public repo.
* Convert your files to a zip folder and name it as given below and upload the zip folder to LMS.
  + Name – Registration No. – Section
  + Description document with Github link.
* This lab is graded. Min marks: 0. Max marks: 10.