# Department of Computing

**CS312: Advanced Programming**

# Lab 4: Web Application with .NET Framework

**CLO3: Develop applications and tools using various frameworks**

**Date: Feb 28, 2018**

# Time: Wednesday (10-13:00- 14:00-17:00)

# Instructor: Zain ul Hassan Khan

# Lab 4: Web Application with .NET framework

## Introduction

In this lab we will develop a basic web application using the .NET Framework. You can use C# and ASP.NET.

## Objectives

Building our first .NET based Web Application

## Tools/Software Requirement

MS Visual Studio and .NET Framework

**Description**

Each student must, individually build the complete application on their own. Students must upload their solutions on LMS to qualify for evaluation. The following reasons can lead to losing marks

* Any exceptions or errors leading to non-execution of submitted code.
* Failure to upload the solution on LMS.
* Failure to submit original code.
* Failure to use GitHub for the code.
* Failure to explain the submission, during viva.

**Lab Task**

1. Develop a web based application that has an interface like Google Forms. Create one online form, ask for user’s information and store that information in a Database.
2. Make another page which has the user admin, who can query for all the information stored in the database.
3. [Optional] Create a dynamic form maker that allows the user to create Google forms and then share them with other users to fill.

For help use

* <https://docs.microsoft.com/en-us/dotnet/framework/develop-web-apps-with-aspnet>
* <https://www.asp.net/get-started/websites>

## Deliverables

* Each submission is individual with the following composition:
  + Source Code
  + Documentation (Comments)
  + Link to the public repository preferably on GitHub
* Convert your submission files into a zip folder and name it as given below, finally upload the zip folder to LMS.
  + - Name – Registration No. – Section

## Grade Criteria

This lab is graded. Min marks: 0. Max marks: 10.

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| --- | --- | --- |
| **Activity** | **Minimum** | **Maximum** |
| Task 1 | 0 | 5 |
| Task 2 | 0 | 5 |
| Task 3 (Bonus) | 0 | 2 |
| **Total** | **0** | **10** |