

**IS242 Web Application Development I**  
**Final Project: ASP.NET Web Application**  
**Due: 12 pm, Thursday, Week 15 (25/5/2017)**  
**Total Grade: 10%**

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## 1. Project Objectives

The purpose of this project is to enable you to demonstrate your understanding in building a website connected to a database using ASP.NET as well as some client-side technologies. You will be able to combine your knowledge of HTML, CSS and ASP.NET that you have learnt over the semester to develop an effective and useable website.

## 2. Requirements overview

A business or an organization (e.g., clothing shop, restaurant, pharmacy, home-based business... etc.) has contacted you to build an interactive website to help them in managing their products and customers. The organization has provided you with total freedom over the branding of their online presence so you can exercise your imagination and creativity while applying the technologies covered in IS242. You may want to contact a real organization, business or committee inside the college and target them in your application as long as the required web application meets the assignment specifications. **The main specifications are detailed in section 3.**

## 3. Specifications

The website will be made up of .aspx pages with C# as the programming language to write the application logic. The website will contain the following pages:

### 3.1. Master Page

You should use a master page in which you should include the shared content (header, footer... etc.) as well as the menu as it will be shared among all pages. The menu should link to the following pages in the same order.

### 3.2. Home Page

This page will have some text to introduce the topic and the purpose of the website.

### 3.3. Products Page

This page should neatly present (use CSS) the products offered by the business/organization (e.g., food menu in case of a restaurant) along with their supplier information. A product should at least have a number, title, description and price (probably a photo), it is up to you to add what you see appropriate given the context of your website. Users should be able to search the products using titles.

### 3.4. Contact us Page

In this page users are able to contact the organization using a contact form. The form should at least contain fields for the username, email and the message. The message should be sent as an email to the organization's email.

### 3.5. Registration Page

This page should present an information gathering form for the user to register with the site. The form must include at least five data entry fields including at least one of each of the following: label, dropdown list, textbox, radio buttons. When the user submits the form, the information entered should be saved into a database (i.e. insert a record into a table in the database).

## 4 General Guidelines:

1. Please style your website using CSS, you can use any CSS you find online as long as you can incorporate it in your website (Do NOT forget to reference it).
2. Use code-behind to separate presentation from the application logic.
3. The DB should include at least one relational integrity constraint along with other different types of constraints.
4. Create a folder in which you include your project folder and a read-me file listing your group members. Name the folder with your group No, zip it and email me the zip file.
5. Demos will be arranged later and a schedule allocating times for each group will be released.
6. An assessment sheet will be released. Please use it as a guide to understand how you are going to be assessed and thus work accordingly.