**Assignment #1**

**CPAN 253 – ASP.NET**

**Winter 2018**

Project Requirements

1. **Create a Hospital Management System in ASP.NET.**
   1. The system has three types of users: patient, doctor and admin
   2. Admin Users are able to:
      1. Add new doctors (as well as modify/delete doctor’s profile)
      2. Admit new patients (as well as modify/delete patient’s profile)
      3. Assign doctors to patients (a patient has one main doctor)
   3. Patients are able to:
      1. Update their profile information
      2. Can view their previous visit histories
   4. Doctors are able to:
      1. Update their profile information
      2. Add a patient visit (as well as modify/delete patient visit). *Note: A patient may have a visit with a doctor that is not their main doctor.*
      3. Discharge patients
      4. View their own patient visit histories.
2. **Project shall make use of the following technologies/techniques:**
   1. ASP.NET Web Forms.
   2. ADO.NET, for database connectivity
   3. Master page(s)
   4. Validation
   5. Navigation
   6. Commenting. The code shall be commented according to the following requirements:
      1. Each class/webform shall have a header with the principal author of the code and a short description of what the code in the file is for.
      2. Each method and field shall be commented and include a brief description of the purpose of method and field. If the Author of the method is different than the author of the class the author name shall also be included in method headers.
   7. Coding conventions: Forms and controls naming conventions. Use descriptive names for classes, methods and variables.

**Note:**

1. Due date for final submission is March 18, 2018 at 11:59 pm. You will then demonstrate your working version of the project in class that week (Section B on March 20th, Section A on March 21st ). Each group member will present their part of the code. Any group member not present for the demonstration will have 5% deducted.
2. The assignment will be worth 15% of your total grade.
3. You may work individually or in a group of 2-3. You may select your own group members and let me know once you have done so (in class or by email). If anyone does not have a group but wishes to work with one, please inform me and I will assign you to one.
4. All online submissions will be done via Blackboard (Email submissions will NOT be accepted). One submission per group.
5. Late assignments will be penalized 3% each day.