PROG1210 **Group Project**
Vanscoy **NBD Case study**
F2016

Programming Objectives:

- Develop an ASP.NET web site for a portion of the NBD case study from PROG1180
- Write all necessary code to demonstrate the functionality of a portion of the NBD system

Project Objectives:

- Delegate project tasks fairly and in a manner that supports the strengths of each team member.
- Communicate progress and delays in assigned tasks for each deliverable in a timely fashion.
- Perform regular reviews of peers' project work.
- Provide constructive feedback when reviewing peer work.
- Coordinate peer review comments into project work.
- Consult with various team members, before and after a project deliverable, to identify personal areas of growth.

Project Overview:

Develop parts of the NBD system in an ASP.NET web site including web forms for registering users, logging into the site, a main landing page, pages for searching clients including advanced searching features, and some report management.

Mark: This project consists of two Prototypes worth 5% of your final grade. The final product is submitted at the end of term and worth another 20% of your final grade.

Prototype Meetings: All team members must attend each prototype and final presentation in order to receive the mark. Be on time, prepared, informed, and well organized. All team members must share equally in the work, and incorporated previous feedback into the application, and provide an overview of work completed.

Final Due Date: Friday, December 16, 2016, 4:30pm

Preliminary Work:

As a team decide on the professional naming conventions and folder organization of your assemblies and files. Consider using a class Library for data access classes and methods, EF, Datasets, etc. Remember namespaces, classes, and methods are uppercase. Fields and variables are lowercase. All identifiers should follow camel notation. All code files and methods should be documented with team name/members.

Prototype I [45 marks 5%]

- Design your site web forms based on your NBD story board assignment from PROG1180. Ensure all web forms are user friendly and incorporate a consistent design throughout by applying the design concepts you have learned in previous courses such as CSS, JavaScript, HTML, etc.
- Add a registration/login feature for NBD staff; only a valid login (username and pass word) should provide access to the site beyond the landing page.
- Ensure the user can navigate all site pages

Prototype I presented during the double period of PROG1210 in Week 13. All team members must attend class.

Marking Rubric				
Category	**1**	**2**	**3**	**Points**
Web Interface (see * footnote)	The resulting web site has some key pages, but is missing many other necessary pages which would be required to support this system.	Most pages are present in the design to support minimum functionality. Only a few edits are necessary to arrive at a complete site.	All require web pages are present in the site to support minimum functionality.	*5 = /15
Web Navigation	The navigation is missing for many pages; not clear how the site would work.	Most of the navigation is working. Some edits required to demonstrate how some parts would work.	All page navigation is present. It is clear how the site would work.	*5 = /15
Login	The resulting web site has some login operations working, but is missing what is required to support the system	Most of the login operation is present in the site to support minimum login. Only a few operations are necessary to arrive at a complete login.	Login capability is present in the site and working correctly.	*5 = /15

Notes:

- Make sure you transfer your design concepts from your storyboards to your forms/web pages. Come up with design standards for your team to follow: colour schemes, naming conventions, form real estate issues etc.
- Each form/webpage that a user can access through your system navigation should be created to illustrate where all of the data input and/or output controls will appear on the form. This layout will include the sequence and groupings of controls on a form/page. In addition, your team's designs will show the type of controls that will be used to gather or output data. For example, will a user enter a particular item into a text box; select it from a list box, combo box, or option group etc.? Lastly, the forms should include your group's "creative take" on the colours, fonts, and graphics that will be used to enhance the look, feel, and more importantly, the functionality of the System.
- In your design, include a consistent method for indicating the required fields on each form/page (i.e. back colour, red asterisk, bolding etc.).

Prototype II [45 Marks 5%]

- Search clients by providing the user with a minimum of six different ways to locate records.
- Once a client is found and selected the user should be able to see a list of existing design bids for that client.
- When user selects an existing design bid provide a summary that includes the same information as the Design Bid Report from the NBD case study.

Prototype II presented during the double period of PROG1210 in Week 13. All team members must attend class.

Marking Rubric				
Category	**1**	**2**	**3**	**Points**
Web Interface (see * footnote)	The resulting web site has key components, but is missing many other necessary components which would be required to support this system.	Most components are present in the design to support minimum functionality. Only a few edits are necessary to arrive at a complete site.	All require components are present in the site to support minimum functionality.	*5 = /15
Search Operations (locate records)	The resulting web site has some search operations working, but is missing many which would be required to support the system	Most search operations are present in the site to support minimum functionality. Only a few operations are necessary to arrive at a complete site.	All search operations are present in the site to support minimum functionality.	*5 = /15
Implementation of summary report	The resulting assemblies have some code but are missing most which would be required to support the bid summary.	Most required code is present in the design to support the NBD bid summary. Only a few edits are necessary to complete.	All required code is present in the design to support the NBD summary.	*5 = /15

Final Submission [70 Marks 10%]

- Correct all code to ensure the site is functioning as required.
- Add code to ensure the web site is fully functional, user-friendly, and robust. Include data validation, exception handling, status and/or error massages, etc.
- Create a marketing presentation for your product and present as a team in class. Note: All students must attend and participate in their team presentation in order to receive the final mark.

Submit one final copy of your team's solution to this case study in your team file share:

Final Due Date: Friday, December 16, 2016, 4:30pm

Marking Rubric				
Category	**1**	**2**	**3**	**Points**
Implementation of methods and expected code	The resulting assemblies have some code but are missing most which would be required to support the NBD system.	Most required code is present in the design to support the NBD system. Only a few edits are necessary to arrive at a complete product.	All required code is present in the design to support the NBD system.	*10 = /30
Site Function	The resulting web site has most operations working, but is missing many which would be required to support the system	Most operations are present in the site to support minimum functionality. Only a few operations are necessary to arrive at a complete site.	All functions required are present in the site to support minimum functionality.	*10 = /30
Professional Standards	Naming conventions and organization are inconsistent and/or rarely follow program naming conventions or NBD's naming context.	Naming conventions and organization follow program standards. More detail is required to meet standards and NBD's naming context.	Naming conventions and organization follow program standards and are descriptive/reader friendly.	*2 = /6
Documentation	Documentation is missing and lacks organization	All documentation is submitted, organized and reader friendly.	N/A	*2 = /4

Footnotes:

* the overall system is consistent, easy to navigate (i.e. choice of hotkeys, logical flow, all options for a function is one click away) Initial bullet-proofing guides the user through transactions in a logical sequence, controls add/edit/delete functions and navigation. There is an effective use of controls for gathering and/or outputting data

the use of colour, fonts, graphics, and the spacing and grouping of controls enhance the overall functionality of the system; web is responsive and incorporates accessibility standards