**New Client:** *You-Name-It* Photography Company

The Photography Company is a small photography company consisting of 15 employees who are converting the company into digital. The company understands they have to keep up with the technology and become a trendy business for the future generations to come.

The company has a main office and a small photography studio. The small studio has been a separate entity, but with more graduation photo requests, and marching band requests, and miscellaneous photos, there needs to be a central location to process all the photos and keep everything in order. This is why a main office is built and this is where most of the employees of the photography company reside. With this change to keep up with the scalability of demand, McCall is responsible for the implementation of projects below:

**1. Build a new Website**

This project is focused on the Web development for the photography company. McCall Southern wants to bring the small photography company to have a front facing website for new and existing customers. The company is seeking a feature-rich website that will include as a minimum the following elements:

**Note well:** The following item are **required** but the items will **not** include the actual functionality, the forms input fields, and result fields should be included in you final product, and if a button takes you to another page it should do so in your prototype. All other functionalitywill be left for the programmers and WEB Developers to implement. You are only concerned with the User Interface. The site should be reasonably populated with sample data so it can be seen as if it were actually operating.

Customer Service Chats for customers

Shopping cart to order photos

Online payments

Confirmation for all online transactions

Area to put in request for touch up

Images of the customer’s photos

Way to crop pictures

Standard website pages, Home, About etc. will also be needed. They also want to see what other ideas we have for making this new site a true asset to their marketing division. This project should appeal to those McCall consultants who have a strong background in Web development.

**Minimum Items Required for the Web Site Design Product:**

* Conceptual Site Overview
* Wireframe mockup
* Common Elements (navigation, footer, breadcrumbs, color usage, image library)
* Actual Completed and working site with all pages accessible from internal links and navigation (min 10 Pages)
* CSS functionality should be used wherever possible, but only a limited amount is required.

Make sure to see the “**Web Design Guideline and Checklist**” Located in Doc Sharing for more information on the quality considerations required for this Product.

**2. Create a Computer Network**

This project is appropriate for staff that focused their education on networking.

The networking team will work on the network design for the main photography company and the small studio location. The photography company will anticipate the possibility of more locations as well as more requests for photography events. The photography company needs a networked tracking system to keep up with the scalability of this growing company as well as maintaining and tracking all data from photo shoot events.

Right now, the main office has 15 computers for the 15 employees who work there. There is one server used for everything in an open space. The computers are peer networked but are over five years old and currently using a Windows XP operating system.

At the studio, there is one PC in the office and one PC up at the front desk. These are also peer networked as well. The computers used at the studio are to put data in a spreadsheet with order information and they would e-mail this out to the main office.

The networking project is to define the computer hardware and software needed and to develop designs for a networked environment to support the business goals. Both locations should be able to print to a networked printer and to local printers.

Security of the network and data are primary considerations.

**Minimum Items Required for the Network Project:**

* Conceptual Network Design
* Physical Network Design to Floor Plans and Locations
* Equipment List / Cost Comparison Table (3 vendors)
* Physical and Logical Security Plan
* Security Policy Recommendation Document
* Full Physical Implementation Plan / schedule including testing and training
* Servers (including software) and Server room Plan

**3. Develop an Application for the business**

This project is appropriate for staff that focused their education on Programming.

The Programming team will work on the programming aspects of the project, developing a prototype of **two** of the following items that are part of the web site project.

Customer Service Chats for customers

Shopping cart to order photos

Online payments

Confirmation for all online transactions

Area to put in request for touch up

Images of the customer’s photos

Way to crop pictures

Full implementation of the functionality including database tables and fields as well as full create / retrieve / update / delete (from the application to the database) functionality for at least 1 of the items above.

The project is intended as a WEB Development project but if you do not have sufficient knowledge and experience with WEB development, you may do it as a desktop application.

**Important: This project can be very challenging for inexperienced students.**

**Before choosing this project you must consult with your Professor and receive his permission for this project.**

**Minimum Items Required for the Application Development Project:**

* Conceptual Program Design include class names, encapsulated data requirements, function names indicating purpose, and navigation.
* Program Flow Charts at the “Function” Level
* Pseudo Code for all functions By Class
* Basic User Interface components
* Working, completed, and integrated code – The Application

**4. Develop a Project Management Process for the business.**

This project is designed for staff that do not feel confident in their technological competencies necessary to complete any of the above three projects (maybe due to lack of specialization through the degree program)

The Project Manager will develop a full modern, best practice, set of policies and training for a Project Management Process for the business. The main purpose is to provide the business with a set of guidelines, forms, and templates as well as detailed Standard Operating Procedures (SOP) for managing its project portfolio and project execution in the future. Relying on these documents the business will always know exactly how to run any future projects in a standard and consistent manner. The scope of this project extends from the project identification / prioritization phase through to complete project archival of all project documentation in a Project Library.

**Minimum Items Required for the Project Management SOP Project:**

* Complete Set of standard forms, checklists, templates and guidelines for all project management activities
* Process Overview and justification
  + Process flow descriptions with Flow diagrams (Business Process Modeling) – *Will need to research independently about how to complete these diagrams*
* Detailed Process explanations – Standard Operating Procedures
* Implementation within the business including training and follow up review for execution effectiveness.

**To All Students:**

Please come up with your own name for the photography company. Also, the outlines above are the minimum project requirements. Feel free to conduct additional research about photography companies using various types of technology. Finally, feel free to be creative and add your perspective based on your research and viewpoints.