

Professional and Educational Development

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July 5, 2020

My name is Tyra Oberholzer, and I am a Senior Systems Administrator in the United States marine Corps as well as a student in Microsoft's Cloud Application Development course. I set up classified and unclassified networks from the ground up. So some would say I am pretty good at my job. However I would say I am always looking to expand my knowledge in not only my specific field of servers and networks, but also any field of Information Technology. During this class I intend to further my educational development by quite a bit considering I have never worked with T-SQL or C# before. I intend to push myself to see how far I can take the knowledge I get from this class into a job. I am thrilled to continue with this class, and to see myself grow throughout each project.

One of the first things I would like to do as project moving further into this class is create a testing application for my mother, who homeschools all seventh of her school aged children. She has children ranging from not into school yet to going into eleventh grade. For starters I would like to make the application simple and easy to use all the while being efficient enough for a professional education. There will be two different types of logins: one for teacher and one for student. The teacher login will be used for inputting the tests she makes. The teacher login will also be able to pull up the test for whichever student is taking the test. So when the student logs in the only thing that will pop up for them is the test they are to take. That takes away any confusion for the student. I intend to make inputting the tests and selecting the tests for the students on the teacher login as simple as possible. If we are honest teachers do not need a complicated testing application to make their lives more stressful. The student login will be for the children taking the test. The only thing the student will need to do is login with the same username, and the correct test will be pulled up.

I would like for the application to have a button for each grade, considering she will have children using this for many years to come. When you select on the grade it will give you a list of the students in that grade. You will then click on the student you wish to test, input the test you would like them to take, and let the student do the testing. With each test the teacher inputs she will also input an answer document. That way when the student hits submit on his test it will automatically be checked and graded according to the answer the teacher has submitted. Also when the teacher selects a student it will have the lists of previously taken and graded tests for an average test score. I feel this application would really help homeschooling teacher/moms to keep things organized.

The next project I would like to work on is a website for selling homemade baked goods, fresh fruit and vegetables, and home-grown meat. My family has baked food, grown vegetables, and raised meat for most of our lives and we almost always end up with extra. At the end of the day we do not wish for it to go to waste so we sell it at a stand along the rode, but it doesn't always get a lot of business being on a very quiet back rode. My thought is to make a website where my family could sell all their extras, maybe start growing even more to just sell. This way people that are looking for farm fresh food and meat can order it and have it shipped to them or come pick it up. The first thing you see when you go to the website is a beautiful picture of where it is all grown and raised along with the title of their stand. It will also have a brief description of how everything is raised and grown, and a little history of our family. Along the side the webpage it will have the options for Home, Baked Goods, Fruits, Vegetables, or Meat. Once you click on on them it will take to the page where it shows everything available in that category. It will allow you to pick

the quantity or how many pounds you would like. At the end of your shopping adventure you will click on check out and get the option of delivery or for you to pick it up. After the order is confirmed it will send you an invoice via email, and a kind goodbye greeting with the hopes you will shop here again.

Something I have always thought would be helpful to young adults nowadays would be an application for "adulting". Many people in school or even in their households are not taught common things you need to know as an adult living by yourself. Things like how to pay your bills, how to write a check, how to do your taxes, how to cook, how to clean certain things, how to change a tire, or how to keep your car in good running condition. Some people may have also not had the opportunity to grow up with a mom or dad or a parent like figure to teach you these things. Now you may say wow that is a lot to fit into one application, however I do not intend to write or explain everything myself. I intend to get videos from moms and dads who would like to contribute to the website, and spread their "adulting" knowledge. I would like to have main categories like Vehicles, Cooking, Cleaning, Bills, and Taxes, who knows I might think of a few other things to add. Once you click on the category you need it will bring up your options for each. Say you click on Vehicles then you click on how to change your oil it would take you to a video of someone showing you and explaining to you how to do it. Same thing with Cooking it would give you options of different things to make once you click on it it will give you the written recipe, but also a video on how to make it if you are more a visual learner. For me this is important because I grew up with amazing parents who taught me so much, and I would like everyone to know that feeling.

I am starting out in this class knowing barely anything about programming and coding so at the end of this class I want to know as much as possible, which means I need to push myself outside my limits. All these projects I want to work on all require a knowledge I have yet to learn. That is why I picked these projects so I can expand my educational development, and to become good at it. I know some of these projects are on the not suggested list, however I believe with hard work and studying I can achieve the projects I desire. These projects will not be easy I will have to put a lot of hard work and thought into them, but I am ready to do it. I believe these projects will push me even further than the course of T-SQL and C#, and I could not be more ready to tackle them head on.