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CS-499

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Milestone Two Narrative

1. Briefly describe the artifact. What is it? When was it created?

This artifact is the inventory app that we were tasked to make in CS 360 mobile application. This

app was created to allow a user to login and add items to an inventory. This would allow them to

keep track of everything in their warehouse and help them know when to order new inventory.

1. Justify the inclusion of the artifact in your ePortfolio. Why did you select this item? What specific components of the artifact showcase your skills and abilities in software development? How was the artifact improved?

I selected this item to include for my ePortfolio for all three categories. This item has elements of

all three categories necessary for the project. Plus, I would like to go into mobile application

development for my career. This project will help display these skills to future employers. In

this app I was able to showcase my skills using XML to make improvements. I added in-line

comments for maintainability and debugging. Next, I was able to add a floating action point

in the bottom of the screen to allow the user to add an inventory item. I added a print button as

well for the user. The new search bar at the top of the page will allow for quick and simple

navigation of the app. I also switched from relative layout to constraint layout using XML.

Constraint layout can lead to better performance on the device. On the login page I added more

navigational elements for the user such as hyperlink texts for user that forgot their username or

password. I also changed the submit button to say login for easier navigation.

1. Did you meet the course objectives you planned to meet with this enhancement in Module One? Do you have any updates to your outcome-coverage plans?

I was able to meet two of the course objectives

* Demonstrate an ability to use well-founded and innovative techniques, skills, and tools in computing practices for the purpose of implementing computer solutions that deliver value and accomplish industry-specific goals (software engineering/design/database)
* Develop a security mindset that anticipates adversarial exploits in software architecture and designs to expose potential vulnerabilities, mitigate design flaws, and ensure privacy and enhanced security of data and resources

The next milestone will help me cover the Design and evaluate computing solutions object and a

polish on the code review will help design, develop, and deliver professional-quality oral,

written, and visual communications.

1. Reflect on the process of enhancing and modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?

Throughout this milestone I learned that there are many ways to layout an app. When I started

Creating the app I was simply dragging and dropping buttons. This is not best practices. I was

able to use best practices in constraint layout to make the app flow more smoothly and be more

visually appealing to the user. I had a challenge of thinking up the different improvements to add

to this app. To solve this problem I opened up several other inventory apps to help me brainstorm