

Kyle Wilson
Week One
Advanced Server Side Languages

Project/App Title:

InvenStore – An Inventory Management System

Project/App Summary:

My education prior to attending Full Sail was focused on pharmacy management. Because of this, I work as a Pharmacy Tech in an extremely busy pharmacy. One of my daily duties was to maintain the inventory of all medications in stock. This is when I had the idea of blending an inventory management system with your iPhone camera to read barcodes. Everyone has a phone in their pocket, it is my goal to take full advantage of that as a way of managing inventory in a business setting. The app mostly utilizes CRUD capabilities for maintaining the database.

Twist:

What is the twist? The twist is that this app uses your phone's camera to capture 39 style barcodes and then auto populate that into forms to be used in the database.

Example:

Week 1 Schedule:

Monday-Tuesday: Research and setup

Wednesday-Thursday: Review Class Projects / Action plan

Friday-Sunday: Work on projects due this week

Week 1 features:

Work on the plan for how to develop the app and make sure it can work

Make sure it can be accomplished within the four-week timeline

Review all class requirements

Week 2 Schedule:

Monday-Tuesday: Research and start coding

Wednesday-Thursday: Development

Friday: Develop and Test

Week 2 features:

This week is strictly developing the functionality of the app as far as CRUD goes

Week 3 Schedule:

Monday-Tuesday: Research Login information

Wednesday-Thursday: Development

Friday: Develop and Test

Week 3 features:

This week I will add a few security features as far as logging into the applications to help make it more secure.

Week 4 Schedule:

Monday-Tuesday: Research and barcode implementation

Wednesday-Thursday: Development

Friday: Develop and Testing

Week 4 features:

This week I will add the barcode feature and make sure it auto populates into the forms for searching and adding to the database.

Wire Diagrams:

I made the wireframes for the mobile version because that is the ideal target. The site however will also be responsive for a desktop version.

InvenStore

Home

Load

Scan

Loaded Barcode Image

Item Input

Barcode

Item Name

Quantity

Retail Price

Part Number

Description

Technotes

Enter

ENTIRE
DATABASE

InvenStore

Search

Load

Scan

Loaded Barcode Image

Search Item

Barcode

Item Name

Search

Item Name:

Quantity:

Retail Price:

Part Number:

Description:

Technotes:

InvenStore

Update

Item Update

Barcode

Item Name

Quantity

Retail Price

Part Number

Description

Technotes

Update

Design Templates:

InvenStore

Home

Load

Scan

Loaded Barcode Image

Item Input

Barcode

Item Name

Quantity

Retail Price

Part Number

Description

Technotes

Enter

ENTIRE
DATABASE

InvenStore

Search

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Loaded Barcode Image

Search Item

Barcode

Item Name

Search

Item Name:

Quantity:

Retail Price:

Part Number:

Description:

Technotes:

InvenStore

Update

Item Update

Barcode

Item Name

Quantity

Retail Price

Part Number

Description

Technotes

Update

Database Diagram:

Database = SSL

Table = Inventory

Rows = id (auto increment)

Item Name

Qty

Description

Tech Notes

Barcode

Retail Price

Part Number

Language and framework:

Laravel and PHP. Out of the vast array of server side languages, PHP is the one that I have the most experience with so that is what I will use. I have looked into the framework Laravel and feel like it will be the easiest to learn.

Version one:

At the end of Week Four I want it have full CRUD capabilities as well as a fully functional barcode scanner/reader that auto populates forms within the application, I would also like to have some security features such as a user login.

Version two:

I would like to add a social media aspect to it, where the users could see who last updated the inventory and on what.