PA

🔗 Paged Adventures

This project was designed to help Paged Adventures with access control, and database management.

Detailed Description

Project Paged Adventures is meant to address the issues that the business, Paged Adventures, is currently facing. Paged Adventures is a book store that has decided to renovate their old ordering system to a modern POS system, including inventory capabilities. The POS system will allow team members to take orders, handle money, read credit cards, and give receipts. The system will also include an online database network for inventory that is scalable and flexible to allow for additions or removals to the database.

Project Paged Adventures is meant to introduce a modern system for the business's orders and payments that won't require too much technical knowledge for the users.

There are constraints attached to any project. The high level constraints concerning Project Paged Adventures are the following: - Scope: - Cost (any unexpected cost can decrease the scope completion) - Time (if deadline is approaching, cost may increase or quality decrease) - Resources (lack of required resources can decrease scope completion)

- Time:

    - Scope (any additions to project could extend the time required to create it)
    - Cost (project cannot be completed on time if all costs are not covered)
    - Resources (a sick employee or missing material could push back the time required to finish project)
    - Communication (Poor communication can complicate and add time to project)

- Cost:

    - Team member salaries (including project manager pay)
    - SME's pay (any expert required to create the project)
    - Equipment (hardware used to create the software)
    - Materials (paper, pens, staples, etc.)
    - Facility (costs required to run facility during project creation)

- Resources:

    - People (any person necessary to create the project)
    - Equipment/Materials (any physical item necessary to create the project)
    - Software (any software necessary to create the project)

- Inventory will consist of many different books, some of the different tracked catagories would be as follows:

    - Binding(Hardcover, Paperback, Digital)

- Genre(Horror, Romance, Comedy, Action, Western, Sci-Fi, etc...)
- Intendid Age(Children, Young Adult, Adult)
- Category(Manga, Comics, Light Novels, Graphic Novels, and Regular Books)
- Author
- Price

Project Introduction

The POS system will allow team members to take orders, handle money, read credit cards, and give receipts. The system will also include an online database network for inventory that is scalable and flexible to allow for additions or removals to the database.

- Creation, modification, storage, and retrieval of order request information.
- Creation, modification, storage, and retrieval of inventory information.
- Creation, modification, storage, and retrieval of purchase order information.
- Creation, modification, storage, and retrieval of customer information.
- Creation, modification, storage, and retrieval of user access information.
- Allows the operations manager to retrieve order information from database.
- Allows the operations manager to validate the purchase order.
- Allows the operations manager to close out the print request.
- This application is out-of-the-box user-friendly, so it's clear to the user.
- The new system we'll be creating will allow the employee to send the order with the push of a button, allowing for immediate release of time to take another customer's order.
- The new system will require a log-in from the users which will greatly decrease the risk of personal data theft.
- The new system will automate pricing totals which will decrease profit loss by giving the employee accurate purchase and order totals.
- The new system will allow the manager to immediately add the new inventory to the database which will allow for quick, easy inventory management.
- This application is in Alpha

Development Plan - Time Table

Below is the development time table and planned benchmarks/milestones to accomplish this project by the due date.

Date	Items	Description
05/22/2022	Project Proposal submitted	Proposal for consideration.
05/23/2022	Create Database	Create Database
05/29/2022	Create Logon view	Create Logon view
06/12/2022	Create Customer View	Create Customer View
06/26/2022	Create Manager View	Create Manager View
07/10/2022	Debug	Debug

Date	Items	Description
07/24/2022	Finalize	Finalize
07/31/2022	Final Project Submission.	Final Project Submission.

Development Environment

Type	Description
Language	C#
Development Environment	Visual Studio 2022 Community Edition
SQL Server Type/Dialect	Microsoft SQL (TSTC Server)
Target Environment	Windows 10 or 11 Desktop Application
Target Business/Industry	Book Store
Help System	HTML Pages
Report Methods	HTML Reports
Project Version Control	Git and Course assigned GitHub Repository

Core Technical Concepts/Inspiration

- This product exists to make the business run smoother and boost efficiency.
- While it can be stressful for a business to completely overhaul and update their systems, it is our position that Paged Adventures would only see positive results from this project. Going digital for orders helps keep theft low while increasing profits due to less time spent taking orders or fixing mistakes made through employee writing errors. The ability to print out receipts for customers will increase the positive feedback from customers, along with allowing the business to more accurately understand their finances. Research has shown Project Paged Adventures will have nothing but positive influences on the Paged Adventures business.

Getting Started/Requirements/Prerequisites/Dependencies

- To get program, download off of github.
- To install, run the installer.
- To configure, go to settings and configure.
- To run program, run launcher.

Videos

- URL for your Video Resume
- URL for your Final Customer Demonstration Video
- URL for any other specific videos for this product

TODO

- Debug,
- Finalize,
- Final Project Submission
- Features planned
- Known bugs (shortlist)

Contact

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Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Contributors 2

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Languages

- **C#** 92.0%
- **HTML** 8.0%

Suggested workflows
Based on your tech stack

.NET

Configure