

Kaitaia Publishing Collective

CSC 4700 Systems Design & Implementation

Fitchburg State University

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A custom-built system is one that we would build from scratch, and specifically tailor to fit the needs of Kaitaia Publishing. It has the most difficult initial setup, but developing in-house would allow for Kaitaia Publishing to be entirely self-sufficient in their software, and not need to rely on third-parties. The biggest problem with a custom-built system is the high cost that comes with it, especially in the initial setup and the need to continually support the system in the future. If Kaitaia Publishing ran into an issue with the system in the future, they would need to be self-reliant on fixing the issue.

A pre-packaged system might not allow for the same level of customization, but would have a much faster initial setup, and it's cost would be lower overall. Pre-packaged software also comes with the peace-of-mind of using a tested, proven product. Long-term support would come in the form of keeping the system software up-to-date, and communicating with the vendor for support.

Outsourcing Kaitaia's system would save on the initial set-up cost and time, but would by far allow for the least amount of customization, and may not fully meet the needs of the company. It's performance would be entirely based on the contract terms between Kaitaia Publishing and the third-party, and may not meet their needs. It also has the worst security of the three, relying on a third-party to handle all of the company's data, whereas the other two options would allow for the data to all be stored in-house.

With these factors in mind, we believe that a pre-packaged system would best fit the needs of Kaitaia Publishing. While it might not allow for full customization, it's cheaper and easier to set up than a custom-built system, while allowing for better security than an outsourced system.

#### Criteria Ranking (1-5) / Score (1-5)

	Criteria Ranking	Custom Built System	Weighted Score	Packaged System	Weighted Score	Outsourced System	Weighted Score
<b>Technical:</b>							
Initial Setup Difficulty	2	1	2	3	6	5	10
Security	5	4	20	4	20	2	10
Familiarity	4	3	12	4	16	2	8
<b>Economic:</b>							
Initial Cost	3	2	6	4	12	4	12
Long-term Cost	5	2	10	3	15	4	20
<b>Organizational:</b>							
Aligned with Business Goals	3	4	12	3	9	2	6
Support from Management	4	4	16	4	16	2	8
<b>Total Score:</b>			78		94		74



The layout for our website focuses on making the user experience as easy-to-use as possible. All the information the user needs will be displayed on each page, in sections that make navigation easier. The website will have different sections depending on the user's login type (customer, employee, author), that way each user has access to the specific tools they need.

### Landing Page / Create Account

Website Home Link	Social Media Links	Account Link Sign In/Out
Main Navigation		
<p>Welcome to Kaitia Publishing! Please select an option...</p> <p>Sign In</p> <p>Create an Account</p>		
Footer ← Home / About Us / Categories →		

Website Home Link	Social Media Links	Account Link Sign In/Out																				
Main Navigation																						
Create Account																						
<p>Please Enter Your Information</p> <table border="1"><tr><td>First Name:</td><td></td></tr><tr><td>Last Name:</td><td></td></tr><tr><td>Email Address:</td><td></td></tr><tr><td>Password:</td><td></td></tr><tr><td>Phone Number:</td><td></td></tr><tr><td>Street Address:</td><td></td></tr><tr><td>State:</td><td></td></tr><tr><td>I am a(n):</td><td>▼</td></tr><tr><td></td><td>Author</td></tr><tr><td></td><td>Customer</td></tr></table> <p>Create Account</p>			First Name:		Last Name:		Email Address:		Password:		Phone Number:		Street Address:		State:		I am a(n):	▼		Author		Customer
First Name:																						
Last Name:																						
Email Address:																						
Password:																						
Phone Number:																						
Street Address:																						
State:																						
I am a(n):	▼																					
	Author																					
	Customer																					
Footer ← Home / About Us / Categories →																						

### Sign In / Customer Page

Comment: Your group has done a great job in the user interface design. However, a mock design or prototype is desirable.

Website Home Link	Social Media Links	Account Link Sign In/Out
Main Navigation		
Sign In		
<div>Please Enter Your Information</div> <div><div>I am a(n):</div><div>Customer</div><div>Employee</div><div>Author</div></div> <div><div>Email Address:</div><div>Password:</div></div> <div>Sign In</div>		
Footer		
← Home / About Us / Categories →		

Website Home Link	Social Media Links	Account Link Sign In/Out
Main Navigation		View Cart / Orders
Categories	Main Content	
Footer		
← Home / About Us / Categories →		



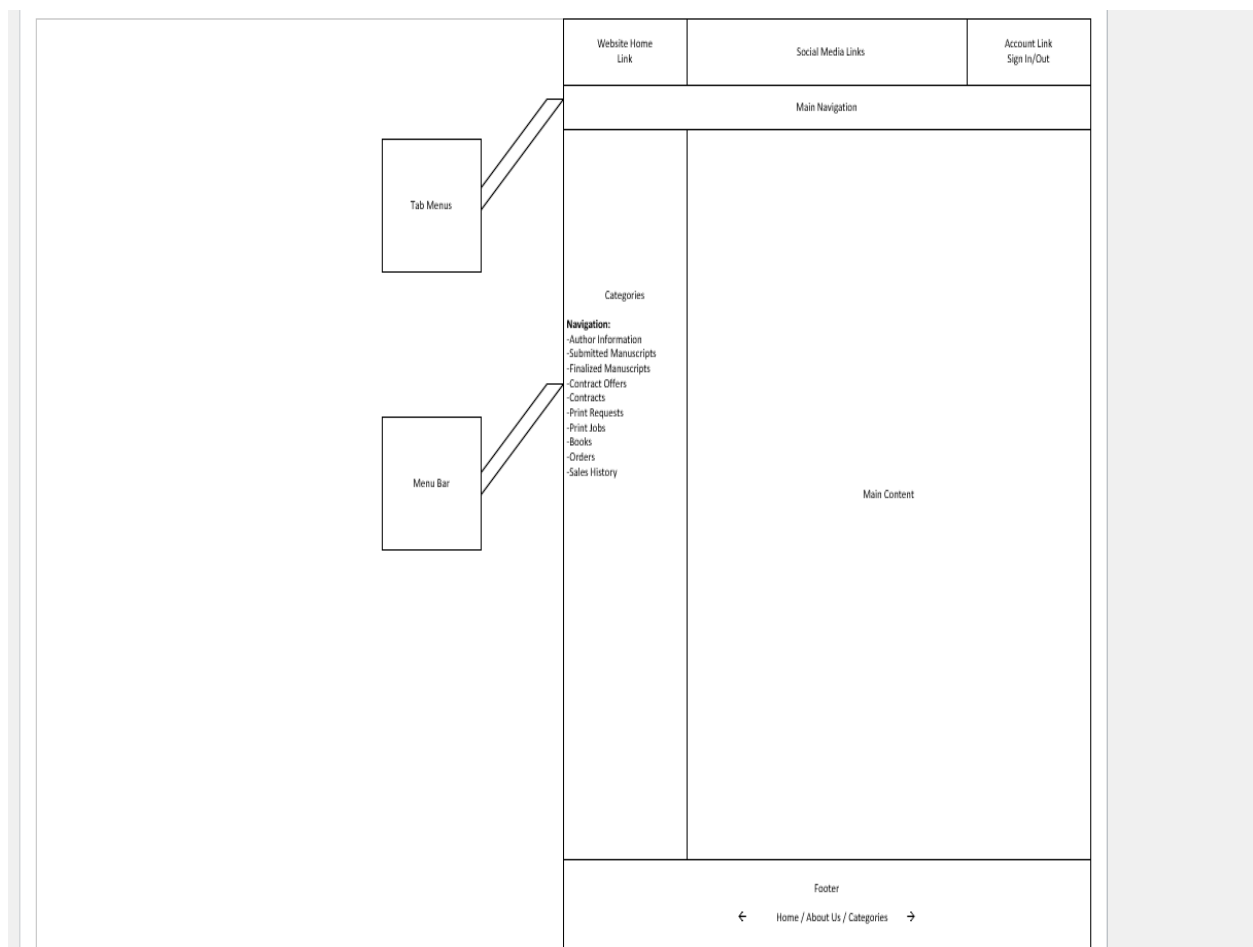
## Employee Page / Author Page

Website Home Link	Social Media Links	Account Link Sign In/Out
Main Navigation		
Categories	Main Content	
<div>Navigation:</div> <div><div>-Author Information</div><div>-Submitted Manuscripts</div><div>-Finalized Manuscripts</div><div>-Contract Offers</div><div>-Contracts</div><div>-Print Requests</div><div>-Print Jobs</div><div>-Books</div><div>-Orders</div><div>-Sales History</div></div>		
Footer		
← Home / About Us / Categories →		

Website Home Link	Social Media Links	Account Link Sign In/Out
Main Navigation		
Categories	Main Content	
<div>Navigation:</div> <div><div>-Author Information</div><div>-Submitted Manuscripts</div><div>-Finalized Manuscripts</div><div>-Contract Offers</div><div>-Contracts</div><div>-Books</div><div>-Sales History</div></div>		
Footer		
← Home / About Us / Categories →		

## Navigation Design

The navigation design was chosen to be more user friendly for users of all backgrounds. We didn't want to shine away from the most common menus used in most other websites. In that regard, we decided to use the menu bar for the horizontal navigation and the tab menu for the main navigation. After we finalize the website, we will review how it looks and then make any changes if needed.



The input design was constructed to enable the end user to interact with the system we have created. In the input design there are multiple pages the user has access to and each page functions in a different way that accepts user input. There are pages that allow the user to submit manuscripts. A user can also edit an existing manuscript or delete a submission they made that they were dissatisfied with. Users can also create orders to print their work/ manuscript/ books. Finally, users can also manage their book sales on a separate page, as well as manage their account preferences.

User Input Webpage	
Homepage	Based off of user selection, this page will be used to gather information from the user to: *Submit *Edit *Delete a manuscript As well as print/ reprint books and manage sales and their account.
Submit Manuscript	
Edit Manuscript	
Delete Manuscript	
Print/ Reprint Manuscription	
Sales Management	
Account Management	
← Home / About Us / Index →	

