

Andi Cameron, Nathan Simpson, Severin Light

Dr. Miguel Lara

CST 336: Internet Programming

August 9, 2023

Villager's Vibe Emporium

Description

Welcome to Villager's Vibe Emporium, a delightful furniture store inspired by Animal Crossing! Here, users can explore and purchase a wide range of charming Animal Crossing furniture. By creating an account with Villager's Vibe Emporium, users gain access to exciting features like ordering furniture, subscribing to updates, viewing their order history, and even selecting an available villager to assist them in their furniture shopping journey.

To ensure a seamless and enjoyable experience, Villager's Vibe Emporium utilizes a combination of sessions and application programming interfaces (APIs). Sessions play a crucial role in securely saving user preferences and ensuring a personalized shopping journey. Additionally, APIs populate the store with an extensive selection of available furniture, introduce users to charming and helpful virtual villagers, and present all the relevant information needed to make informed decisions. The following APIs are utilized:

- <https://api.nookipedia.com/doc#/> (villagers and villager information)
- <https://acnhapi.com/doc#> (furniture and furniture information)

At Villager's Vibe Emporium, we provide a shopping experience that is not only delightful but also tailored to user preferences. So, come on in and let our virtual villagers and delightful furniture make your shopping experience a joyous one!

Table of Contents

Description.....	1
Constraints, Risks, Roles, and Tasks.....	3
Constraints and Risks.....	3
Roles and Tasks.....	3
Entity Relationship Diagram (ERD).....	4
Design Mockups (Wireframes).....	5
Home Page.....	5
Villagers Page.....	5
Login Page.....	6
New Account Page.....	6
Account Page.....	7
Furniture Page.....	7
Cart Page.....	8
Order History Page.....	8
Changes.....	9
Feedback from Professor regarding Initial Design.....	9
Changes from Initial Design.....	9
Screenshots.....	10
Home Page.....	10
Villagers Page.....	10
Login Page.....	11
New Account Page.....	13
Account Page.....	14
Furniture Page.....	15
Cart Page.....	16
Order History Page.....	18
Project Rubric.....	19

Constraints, Risks, Roles, and Tasks

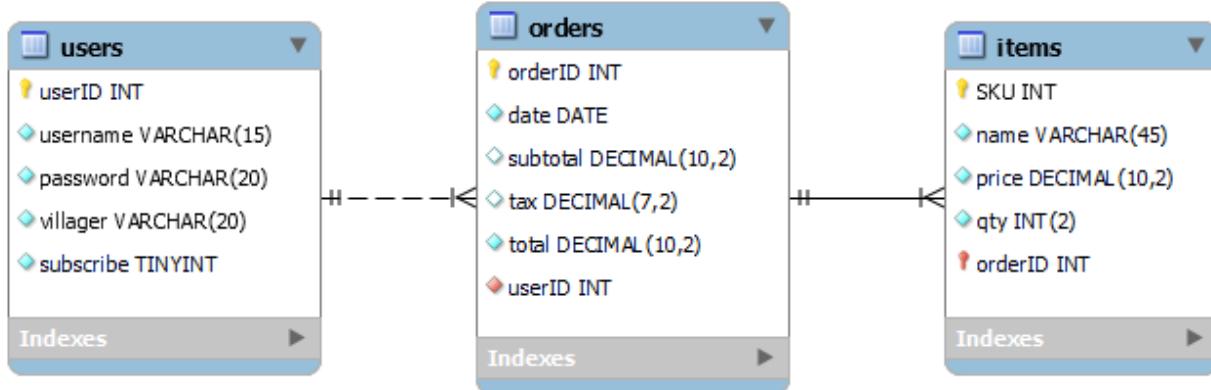
Constraints and Risks

The team acknowledges that the project involves scheduling and communication risks. To address these concerns proactively, the team will regularly monitor task progress and utilize various communication channels, including email and Discord.

Roles and Tasks

<u>Task</u>	<u>Developer</u>	<u>Peer Reviewer</u>	<u>Quality Assurance</u>
Database	Andi Cameron	All	All
Partials			
• Header	Andi Cameron	Severin Light	Nathan Simpson
• Navigation	Nathan Simpson	Andi Cameron	Severin Light
• Furniture Menu	Andi Cameron	Nathan Simpson	Severin Light
• Footer	Nathan Simpson	Andi Cameron	Andi Cameron
Pages			
• Home	Nathan Simpson	Andi Cameron	Severin Light
• Furniture	Andi Cameron	Severin Light	Nathan Simpson
• Cart	Severin Light	Andi Cameron	Nathan Simpson
• Login	Nathan Simpson	Andi Cameron	Severin Light
• New Account	Andi Cameron	Nathan Simpson	Severin Light
• Villagers	Severin Light	Nathan Simpson	Andi Cameron
• Account	Nathan Simpson	Andi Cameron	Severin Light
• Order History	Nathan Simpson	Severin Light	Andi Cameron
Styling	Andi Cameron	All	All

Entity Relationship Diagram (ERD)



Design Mockups (Wireframes)

Home Page

Villager's Vibe Emporium

Furniture Categories Furniture Series Furniture Sets

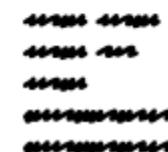
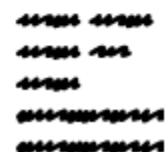
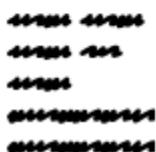


Villagers Page

Villager's Vibe Emporium

Furniture Categories Furniture Series Furniture Sets

Villagers



Login Page

Villager's Vibe Emporium

[Furniture Categories](#) [Furniture Series](#) [Furniture Sets](#)

Login

Username

Password

[Login](#)

[Don't have an account? Let's create one!](#)

New Account Page

Villager's Vibe Emporium

[Furniture Categories](#) [Furniture Series](#) [Furniture Sets](#)

New Account

Username

Password

Shopping Assistant

Select

[Learn more about available villagers \(shopping assistants\)](#)

Yes, I want to receive updates!

[Sign Up](#)

Account Page

Villager's Vibe Emporium

Furniture Categories Furniture Series Furniture Sets

Account

Username

Password

Shopping Assistant ▾

[Learn more about available villagers \(shopping assistants\)](#)

Yes, I want to receive updates!

Furniture Page

Villager's Vibe Emporium

Furniture Categories Furniture Series Furniture Sets

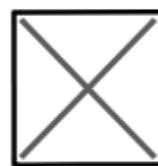
<Selected Category/Series/Set>



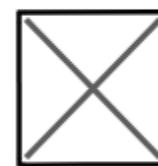
.....
....
...
....
.....



.....
....
...
....
.....



.....
....
...
....
.....



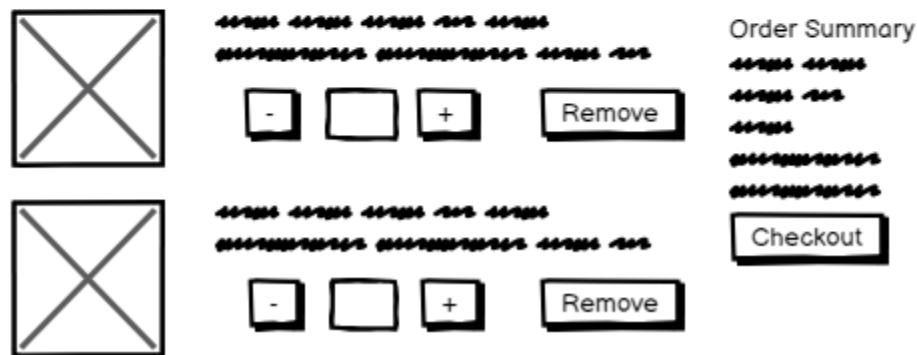
.....
....
...
....
.....

Cart Page

Villager's Vibe Emporium

Furniture Categories Furniture Series Furniture Sets

Cart



Order History Page

Villager's Vibe Emporium

Furniture Categories Furniture Series Furniture Sets

Order History

Order ID	Date	Total	Items			
			SKU	Name	Price	Quantity
###	MM/DD/YY	\$###.##	###	ABC	\$###.##	#
###	MM/DD/YY	\$###.##	###	ABC	\$###.##	#
###	MM/DD/YY	\$###.##	###	ABC	\$###.##	#

Changes

Feedback from Professor regarding Initial Design

Consider prioritizing the features and ensure that you finish all requirements before working on extra features such as Order History and Available Villagers.

For the proposed database, perhaps you might not need the "cart" table and use just local storage or session variables instead but it's up to you.

It's good to see that you have identified several tasks... I noticed just one team member's name but it's clear you plan to distribute the tasks. Consider splitting the project and assigning "full stack" tasks, ideally each of you should work on the backend programming, implementing at least a couple of routes. In this way, all of you can get maximum "full stack" exposure and prepare for the final exam while working on the project.

Changes from Initial Design

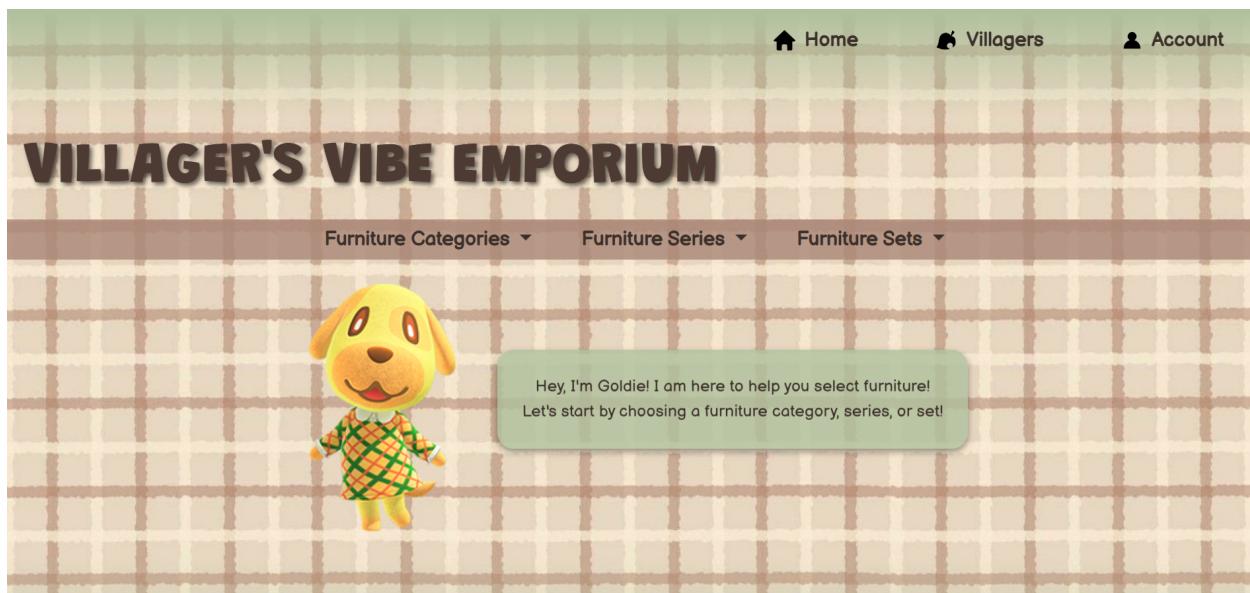
Based on the professor's suggestions, we made improvements to the project. For example, we made things simpler by removing modal windows and making the website smoother to use by combining some of the pages, such as viewing order history and the details of those orders.

When it comes to how we store information, we changed things based on the professor's feedback, such as removing the "cart" table from the database or when a user is logged in. Instead of storing the information in the database, we now use session variables to keep track of this information. Sessions allowed us to enable features such as state management, reduced server load, and personalized content while enhancing user interaction and security. This enhancement not only improves the functionality of the project but also lends a more organized and polished appearance to it.

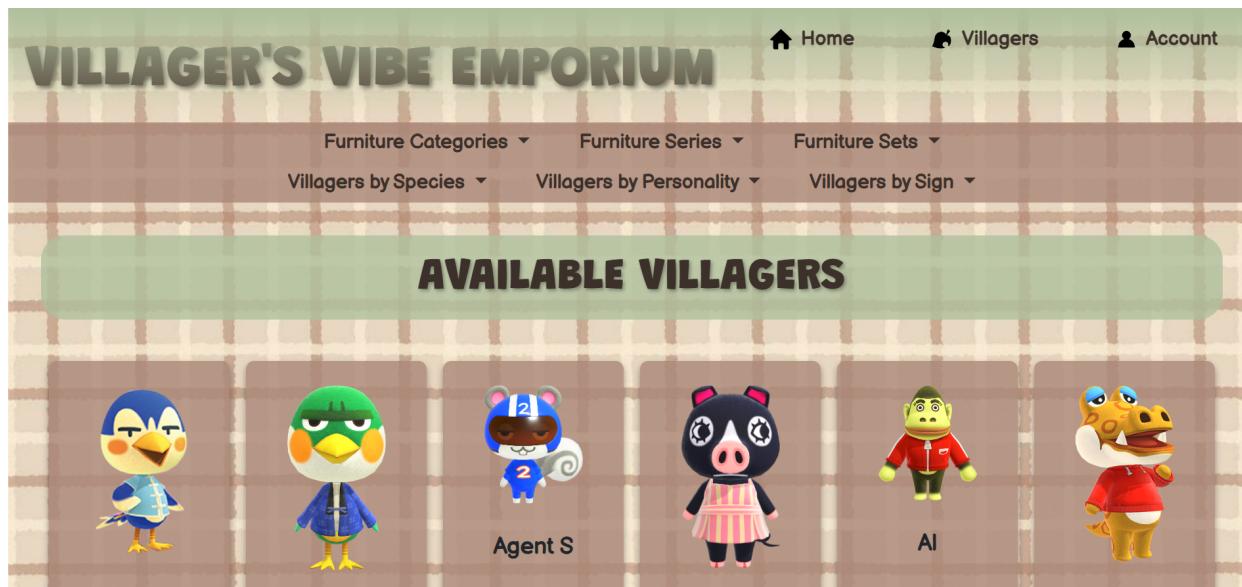
We also divided the project into different jobs for each person. This was the part of the initial plan, but not fully documented. Each team member worked as a developer (backend programming), peer reviewed code, and performed quality assurance on some part of the project. We collaborated to review each other's work meticulously, ensuring accuracy and completeness at every step. On the whole, the project and web development process proceeded seamlessly.

Screenshots

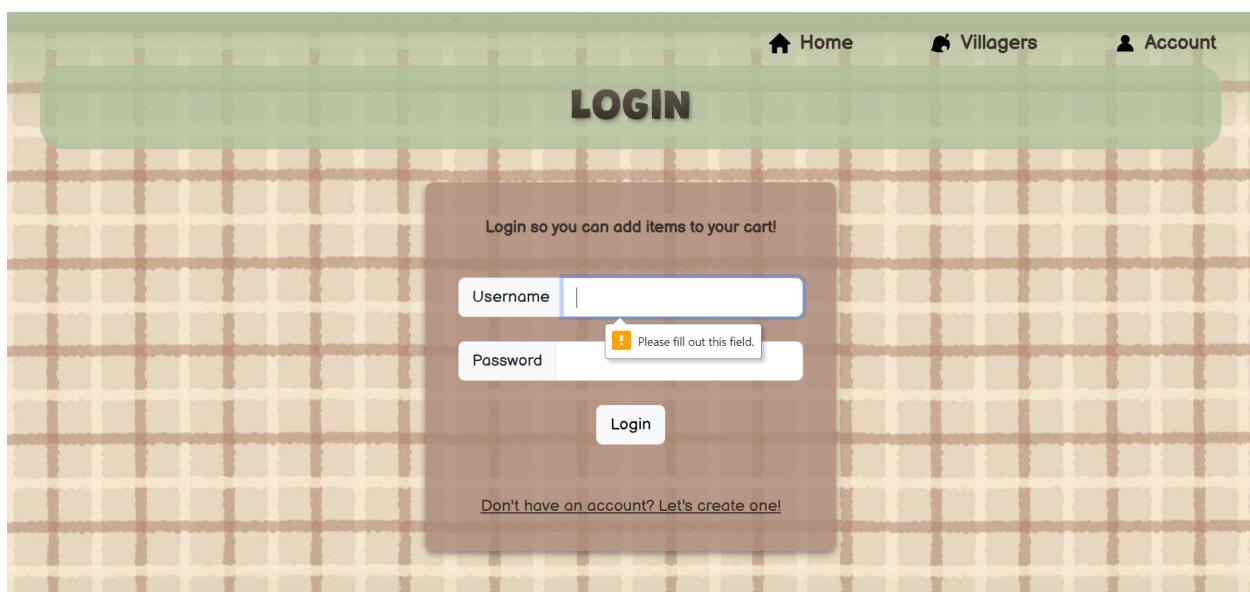
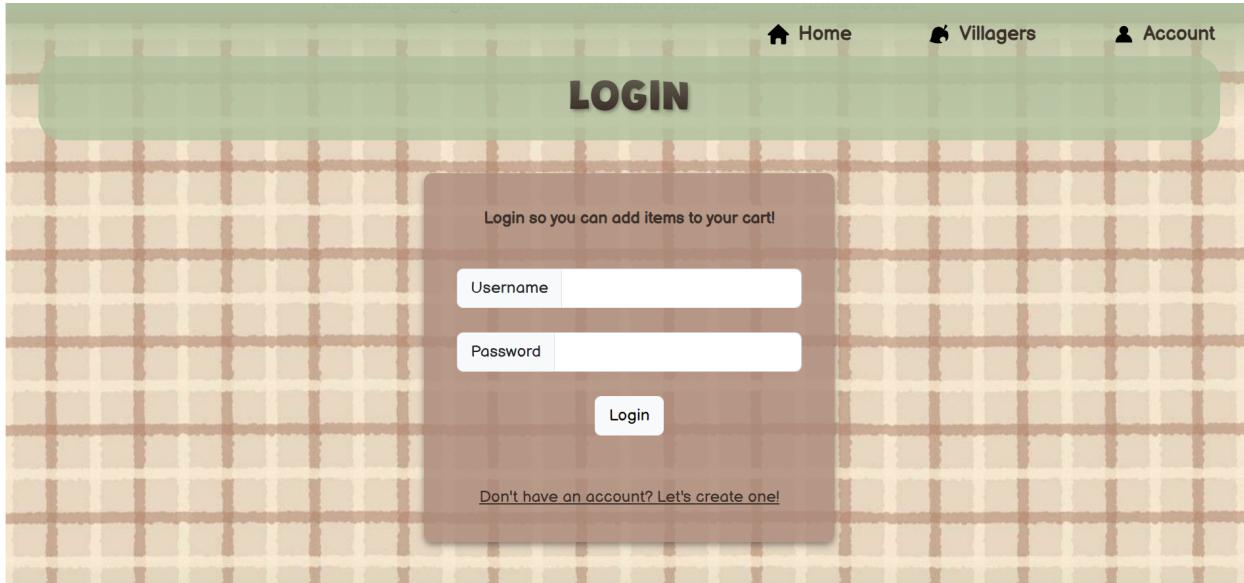
Home Page



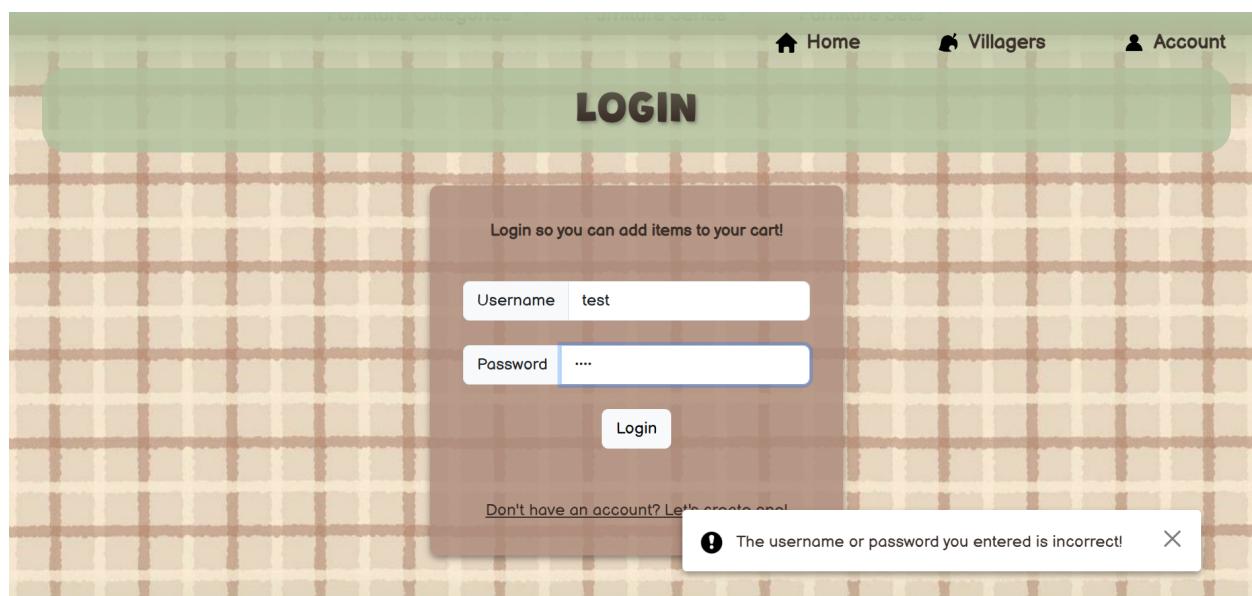
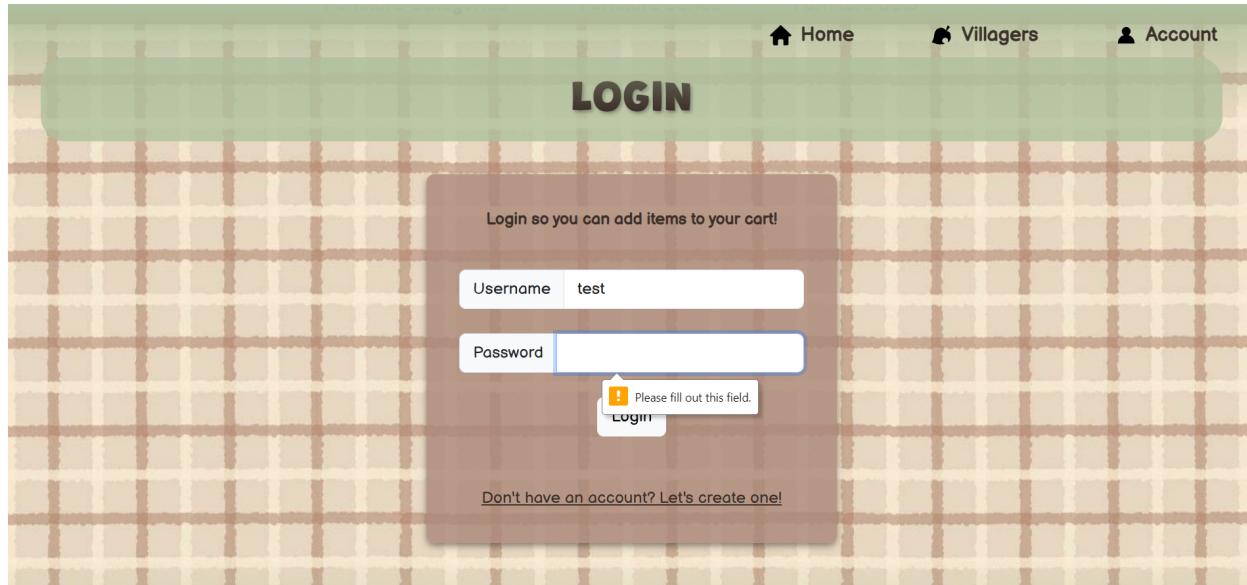
Villagers Page



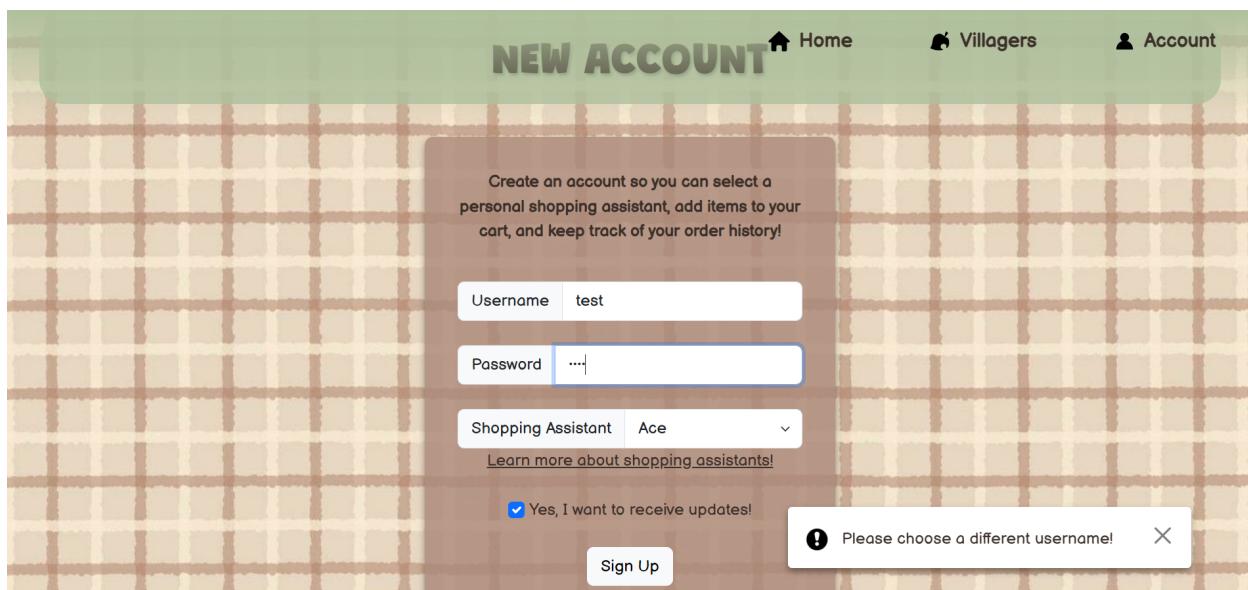
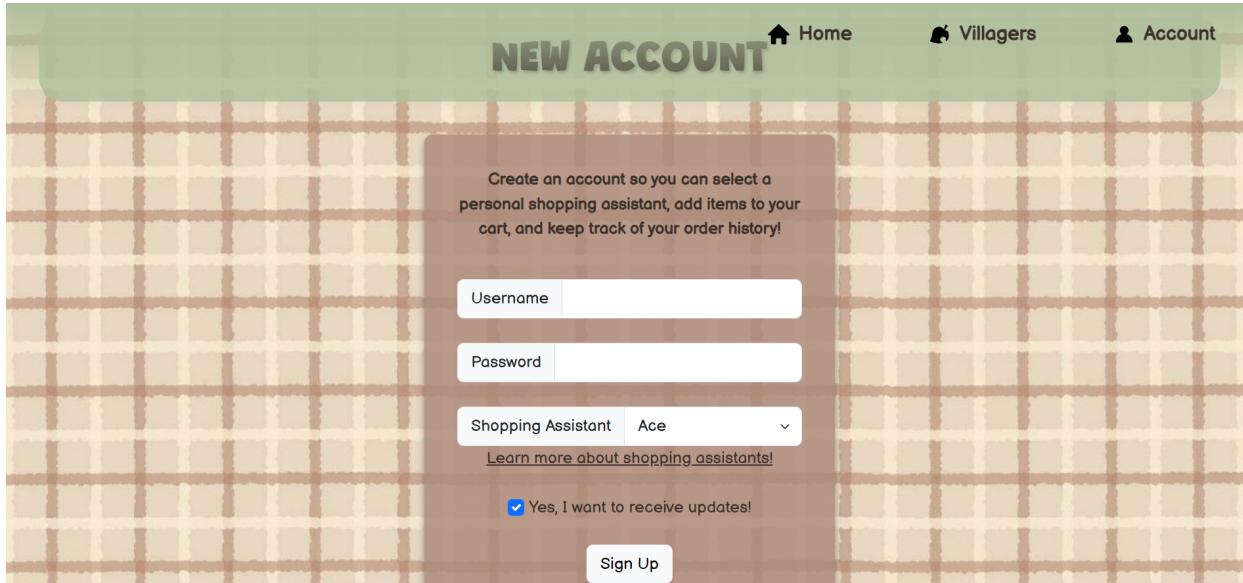
Login Page



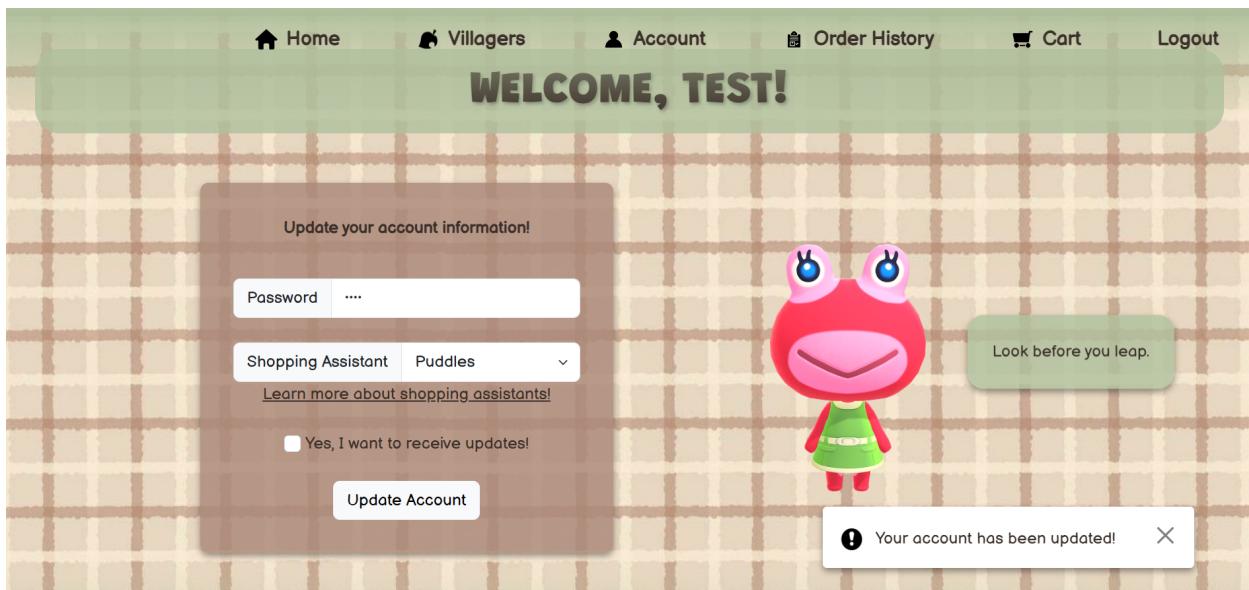
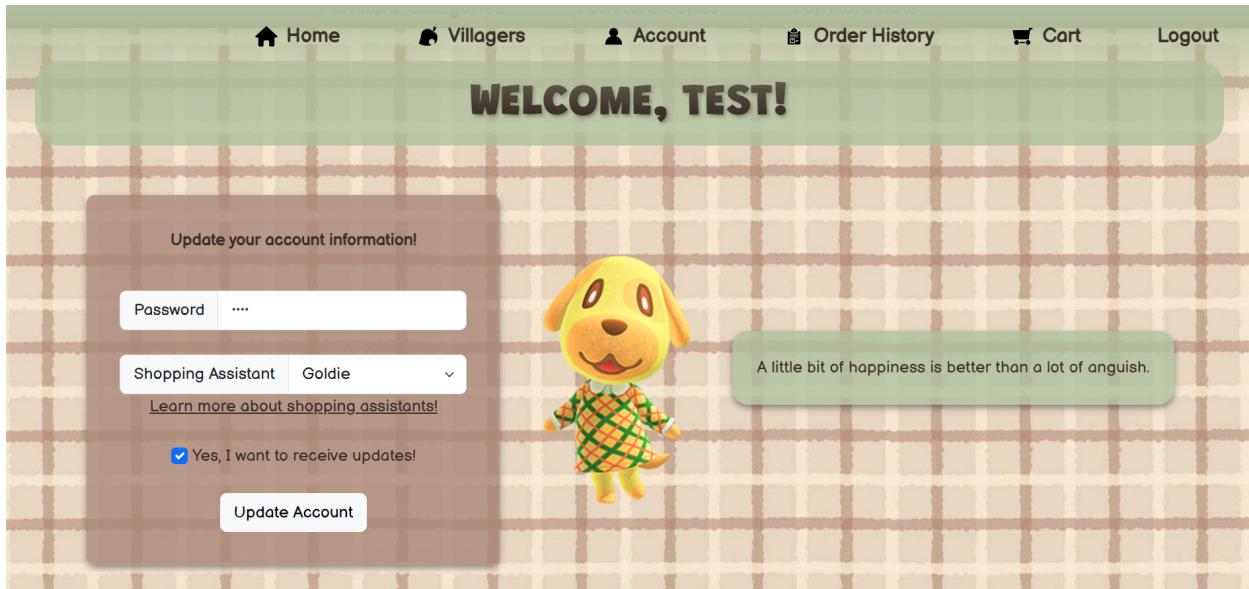
Project: Villager's Vibe Emporium
Andi Cameron, Nathan Simpson, Severin Light



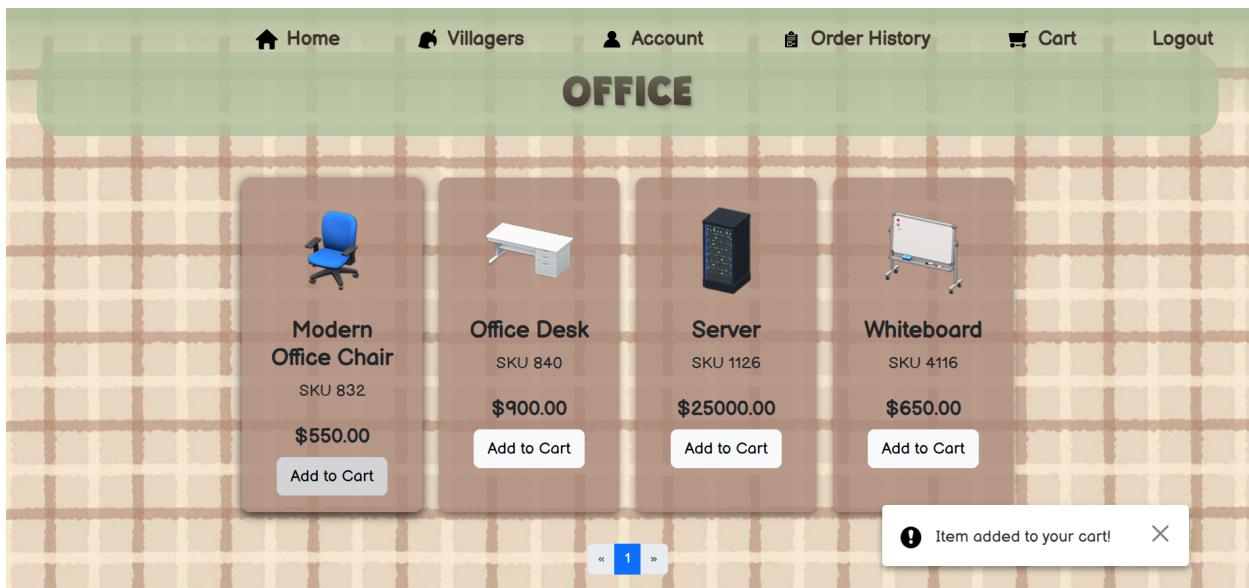
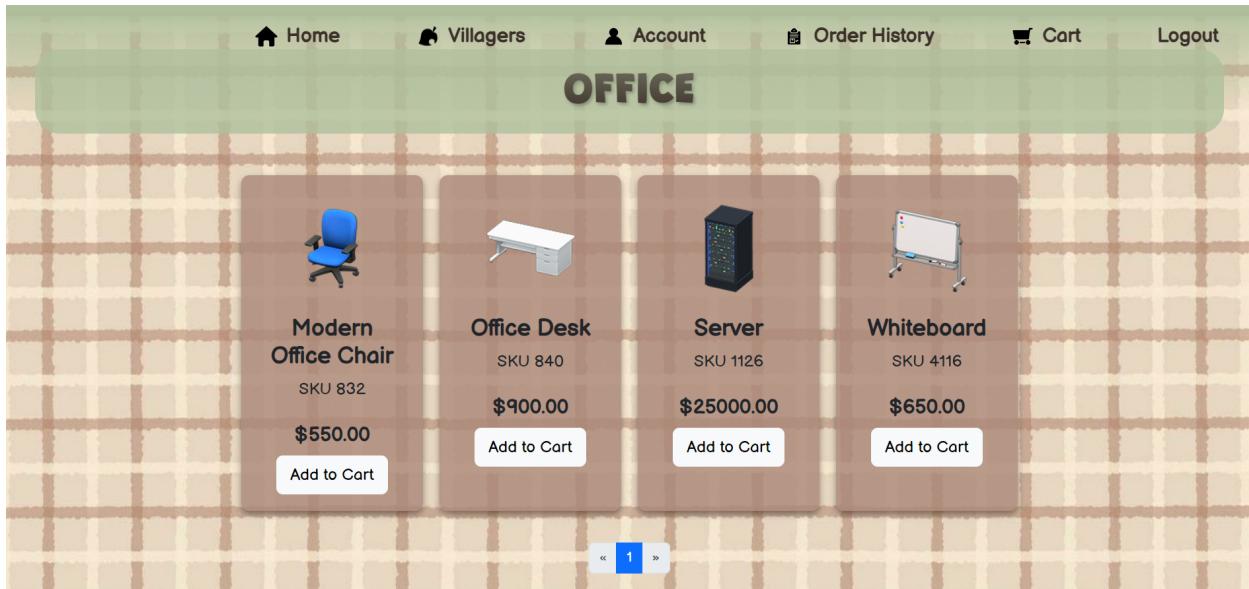
New Account Page



Account Page



Furniture Page



Cart Page

The screenshot shows a cart page with a green header bar containing navigation links: Home, Villagers, Account, Order History, Cart, and Logout. Below the header is a large green button labeled "CART". The main content area has a brown plaid background. It displays three items in a grid:

- Modern Office Chair** (SKU 832)
\$550.00 - 1 + Remove
- Office Desk** (SKU 840)
\$900.00 - 1 + Remove
- Server** (SKU 1126)
\$25000.00 - 1 + Remove

To the right of the items is a green "Order Summary" box containing the following information:

Subtotal:	\$26450.00
Tax:	\$2049.88
Total:	\$28499.88

A "Checkout" button is located at the bottom right of the summary box.

This screenshot is identical to the one above, but it includes a white notification box at the bottom right indicating that an item has been removed:

! Item removed from your cart! X

CART

	Modern Office Chair SKU 832	- 1 +	\$550.00
	\$550.00		Remove
	Office Desk SKU 840	- 1 +	\$900.00
	\$900.00		Remove

Order Summary

Subtotal:	\$1450.00
Tax:	\$112.38
Total:	\$1562.38

[Checkout](#)

Checkout successful! [X](#)

VILLAGER'S VIBE EMPORIUM

Home Villagers Account Order History Cart Logout

Furniture Categories ▾ Furniture Series ▾ Furniture Sets ▾

CART

Your cart is empty

©2023 Villager's Vibe Emporium. All rights reserved.
California State University Monterey Bay
Andi Cameron, Nathan Simpson, Severin Light

Order History Page

ORDER ID	DATE	TOTAL	ITEMS			
			SKU	Name	Price	Quantity
8	8/9/2023	\$1,562.38	832	Modern Office Chair	\$550.00	01
			840	Office Desk	\$900.00	01
7	8/8/2023	\$36,715.81	SKU	Name	Price	Quantity
			331	Birdbath	\$900.00	06
			3406	Beekeeper's Hive	\$2,400.00	11
1	8/7/2023	\$4,067.56	13778	Festivale Flag	\$325.00	07
			SKU	Name	Price	Quantity
			4137	Diner Chair	\$400.00	01
			4138	Diner Counter Chair	\$275.00	01

Project Rubric

Requirement	Points	Completed
Project allows user interaction with at least three different types of form elements (text box, select, radio, checkbox, etc)	15	✓
Project uses Web storage or Sessions	15	✓
Project allow users to update existing records in the database, in a friendly way (data is pre-filled and must update at least three fields)	15	✓
Project allow users to add records to the database	15	✓
Project must have at least 50 lines of client-side JavaScript code (e.g. form data validation, API calls, etc.)	15	✓
Project includes at least two local or external Web APIs (must explain where the Fetch calls are)	15	✓
Project has a nice, professional and consistent design, free of typos, and uses at least 50 CSS properties or Bootstrap	10	✓
Final Report must include title, description, task distribution, changes from original design, database schema, and screenshots of finished product	-20	✓
Project uses at least three database tables with at least 10 fields (combined)	-20	✓
JavaScript and CSS code must be in external files	-20	✓
Upload all files as a zip file, including database records (SQL Format)	-20	✓
Total		