Crafting Notions

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## Project Summary

Crafting Notions is a website where the user can purchase fabric and other Crafting Notions, as well as browse sewing tutorials in both video and text formats.

## System Scope and Scale

The user opens the app to find Pictures of their favorite crafting activities for their planned hobby project. The user knows what color of fabric, yarn or other crafting supplies they want, so the user uses the website’s search function to find the item they need. The user filters the search results using the sidebar menu to find the type of craft are working on. The user adds the item they need to the cart.

The user realizes that they don’t know much supplies they need, so the user navigates to the part of the website that lists tutorials. The user uses the search function to find a tutorial that lists what they will need for the project.

The user navigates to the cart and sets the amount of they will need. The user selects Purchase in the cart and inputs their payment details as well as a coupon code. The user inputs their shipping details, then selects Confirm.

## Prototype Scope and Scale of this Iteration

This iteration will build the basic website for purchasing hobby items, as well as the part of the website for browsing videos and blog posts called from YouTube and Wordpress. The shopping part of the website will include the browsing functionality, the search functionality, and the cart functionality. The video and blog browsing part of the website will show 10-12 objects at a time that show information about the videos and blogs.

## APIs

Wordpress for sewing blogs  
<https://developer.wordpress.org/rest-api/reference/>

YouTube for sewing videos  
relevant docs link: <https://developers.google.com/youtube/v3/docs#Videos>

Color matching  
<https://www.colourlovers.com/api>  
<https://color.serialif.com/>

## List of Steps

1. User opens the webpage
2. User searches catalog for a specific item
3. User selects item from catalog
4. System stores information about selected item
5. User navigates to the cart
6. System presents invoice to user
7. User inputs payment details
8. System confirms payment
9. User inputs shipment details
10. System confirms shipment

## Tests

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Requirement | ID | Test |
| 01 | Request for URL returns Application Entry | 01 | Appropriate view is correctly displayed by Requesting Agent |
| 02 | Product catalog search | 02 | Correct results displayed in response to search query |
| 03 | Product catalog browse | 03 | Requesting agent displays multiple selectable items |
| 04 | Product added to cart | 04 | Correct results displayed in response to navigating to appropriate view |
| 05 | Product purchase | 05 | Appropriate cost is displayed |

## User Stories

As a user, I want to search the catalog for a specific item

As a user, I want to browse the item catalog

As a user, I want to select items to buy

As a user, I want to modify the number of items to buy

As a user, I want to pay for items

As a user, I want to have the items shipped to me

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As a user, I want to search the video catalog for a video relevant to my idea

As a user, I want to browse the video catalog

As a user, I want to view videos on the website

## Use Case Scenario with Diagram

A diagram of a customer

Description automatically generated

## Activity Diagrams

A screenshot of a computer

Description automatically generated