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CS5610 - Web Development
Project 2: WishWise
Feb 20th, 2026

WishWise Design Document

Project Name:

WishWise – a simple, intentional wishlist app that helps users organize, prioritize, and plan future purchases.

Project Description:

WishWise is a web application designed to help users manage and organize items they want to purchase in the future. Instead of scattered notes, bookmarks, browser tabs, or shopping lists, users can track wishlist items in one place with optional product links, prices, priorities, and statuses. Items can be grouped into optional categories to support flexible organization without enforcing strict relationships. The project emphasizes intentional consumption and planning rather than impulse buying. This application is meaningful because many users already keep informal wishlists but lack a simple, structured tool to manage them effectively.

Members: Raagini Tyagi, Rahul Nayak

Division of Work:

Rahul Nayak

Full CRUD stack for wishlist items collection (create, view, update, delete wishlist entries, including priority and status). Items may exist without being assigned to a category.

Raagini Tyagi

Full CRUD stack for wishlist categories collection (create, view, update, delete categories and manage category organization). Categories can be managed independently of wishlist items - for example, when a category is deleted, wishlist items are not removed and instead become uncategorized, ensuring data independence and preventing unintended data loss.

User Personas:

Budget-Conscious Student (Alex)

A graduate student planning purchases around a limited budget who manages wishlist items across categories like electronics and clothing. Uses priorities and status updates to decide what to buy and when.

Intentional Shopper & Gift Planner (Jordan)

A user who saves items over time before deciding to purchase, often planning gifts or future purchases. Organizes items using categories and notes, while keeping some items uncategorized for flexibility.

Casual / Impulse Shopper (Taylor)

A shopper who quickly saves items with minimal details, using priority levels to mark interest. Updates item status from "considering" to "bought" as purchases happen.

User Stories:

Items Management

- As a user, I want to create wishlist items with a title, optional link and price, a required priority (1–5), and a status, so I can capture purchase interests quickly.
- As a user, I want to view all wishlist items sorted by priority and filtered by status, so I can focus on the items that matter most.
- As a user, I want to update an item's status from "considering" to "want" to "bought," so I can track my purchase journey over time.
- As a user, I want to edit wishlist items to update priority, price, or notes, so my organization can evolve as my intent changes.
- As a user, I want to archive or delete completed items, so my active wishlist stays clean and actionable.

Categories Management

- As a user, I want to create categories so I can organize items conceptually.
- As a user, I want to rename categories so my organization stays meaningful.
- As a user, I want to delete categories so unused or outdated categories don't clutter the app.
- As a user, I want to view all categories so I can easily manage and organize my wishlist.

Design Mockups/Wireframes:

We chose to create our initial design mockups as hand-drawn wireframes instead of using tools like Figma. Sketching by hand felt like the most natural way for us to brainstorm and explore design ideas, especially in the early stages of this project. It allowed us to think freely about layout, content placement, and navigation without being limited by design software or technical constraints. This approach helped us stay creative and quickly iterate on ideas before translating them into the final implementation.

WishWise

[Add Category]

All Items
Uncategorized
Clothes
Shoes
Home
Fragrances

All Wishlist Items

Filter By: ~

Item # 1	★ ★ ★ ★
Item # 2	★ ★ ★
Item # 3	★ ★ ★ ★
Item # 4	★ ★
Item # 5	★	Edit Delete Archive
$200 Link Notes		

WishWise

Wishlist Categories [Add Item]

Manage Categories

[Add Category]

Clothes   [Edit] [Delete]

Shoes   [Edit] [Delete]

Home   [Edit] [Delete]

Fragrances   [Edit] [Delete]

WishWise

Add Category   X

Category Name*

[_____]

Description

[_____]
[_____]

[Cancel] [Save]

WishWise

Add Item   X

Title*: [_____]
Link : [_____]
Price : [_____]
Priority: [_____]
Status: [_____]
Category: [_____]
Notes: [_____]

[Save] [Cancel]