

# Example Finished Projects

*AI Builder Lab | What Your Completed Project Should Look and Feel Like*

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These are detailed descriptions of what a finished, polished project looks like for each track. Your project won't look exactly like these — you'll customize it for your specific topic and style. But these examples show the level of completeness, functionality, and polish you're aiming for.

**Use these as your North Star.** When you're wondering "is my project good enough?" come back here and compare.

## Track 1 Example: "Streak"

*A daily habit tracker built by a 15-year-old who wanted to build better study routines.*

### What It Does

Streak helps you build consistent daily habits. You add the habits you want to track, check them off each day, and watch your streaks grow. It shows you exactly how consistent you've been and motivates you to keep going.

### What You See When You Open It

#### USER WALKTHROUGH

**Header:** Dark navy background. The title "Streak" appears in a clean sans-serif font with a flame emoji. Below it: "Wednesday, April 9" and "3/5 completed today."

**Progress bar:** A horizontal bar fills up as you complete habits. Currently 60% filled in a soft purple gradient. Feels satisfying to watch it grow.

**Habit list:** Five habits displayed as cards: "Read 20 pages" (checked, dimmed with strikethrough), "Drink 8 glasses of water" (checked), "Practice guitar 15 min" (checked), "No phone after 10pm" (unchecked, full brightness), "Review flashcards" (unchecked). Each card shows a streak badge: "🔥 12 days" next to the habit name.

**Add button:** A "+ Add Habit" button at the bottom. Clicking it reveals an input field with a placeholder "What habit do you want to build?" and an "Add" button. Type "Stretch for 5 minutes" and click Add — it appears in the list instantly.

**Delete:** Each card has a small "x" in the corner. Clicking it asks "Delete 'Read 20 pages'?" with Cancel and Delete buttons.

**Empty state:** If all habits are deleted, the screen shows: "No habits yet! Tap + to add your first one." with a subtle rocket illustration.

### Technical Details

- Single HTML file, ~350 lines of code (HTML + CSS + JavaScript)

- Dark theme with purple accent color (#8b5cf6)
- localStorage saves habits, completion status, and streak counts
- Daily reset: checkmarks clear at midnight, but streak counts persist
- Input validation: can't add empty habits or duplicates
- Mobile-responsive: looks great on phone and desktop
- Smooth animations: checking a habit triggers a brief green flash, progress bar animates

### Why It's Portfolio-Worthy

- Solves a real problem the student actually has
- Clean, intentional design that doesn't look like a homework assignment
- Multiple interactive features (add, check, delete, streaks, progress)
- Data persistence means it's actually usable day after day
- Deployed at a live URL anyone can visit

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## Track 2 Example: “ShelfLife”

*A book recommendation site built by a 16-year-old who reads 40+ books a year and wanted to share favorites.*

### What It Does

ShelfLife is a curated book recommendation site. The creator reviews and recommends books organized by genre, mood, and reading level. Visitors can browse, filter, and even take a short quiz to get a personalized recommendation.

### What You See When You Open It

#### USER WALKTHROUGH

**Hero section:** A moody dark purple background with the title “ShelfLife” in large serif font. Subtitle: “Book recommendations from someone who actually reads them.” Below: a row of 4 tiny book cover placeholders as visual flair.

**Navigation:** A clean top nav bar: Home | Browse | Quiz | About. Sticky — stays visible when you scroll.

**Featured section:** Three “Staff Picks” cards below the hero, each with a colored rectangle placeholder (for a book cover), the book title, author, a one-sentence take (“The best sci-fi novel I’ve read in years”), and genre tags.

**Browse page:** A grid of 12 book cards. Filter bar across the top with category buttons: All, Sci-Fi, Fantasy, Mystery, Non-Fiction, Romance. Clicking “Fantasy” fades out non-fantasy books smoothly. A search bar lets you type a title or author name.

**Quiz page:** Three fun questions: “What mood are you in?” (Adventurous / Thoughtful / Need a good cry / Want to laugh), “How much time do you have?” (Quick read / Weekend binge / Long haul), “Which cover grabs you?” (3 styled placeholder options). Click “Find My Book” and get a recommendation card with explanation.

**About page:** Photo placeholder, 2 paragraphs about the creator and why they started the site. A contact form with Name, Email, Message. Submitting shows “Thanks! I’ll get back to you.”

### Technical Details

- 4 HTML files (index, browse, quiz, about) sharing consistent nav/footer
- ~500 lines total across all files
- Dark theme with purple accent (#a78bfa)
- JavaScript-powered filtering with CSS transition animations
- Search bar filters items in real-time as you type
- Quiz logic uses simple if/else matching to recommend from the book database
- Fully responsive: single-column cards on mobile, grid on desktop
- All content is real — actual book titles, genuine one-sentence reviews

### Why It’s Portfolio-Worthy

- Shows creative curation and original voice (personal reviews, not copied summaries)
- Interactive features (filter, search, quiz) demonstrate real web development
- Multi-page site with consistent design shows design system thinking
- The quiz is a memorable, unique feature that makes it more than a simple list
- Could genuinely be shared with friends as a useful resource

## Track 3 Example: “MyMoney”

*A personal spending tracker built by a 17-year-old with a part-time job who wanted to understand where their money goes.*

### What It Does

MyMoney tracks personal spending. You log expenses by category, and the dashboard shows where your money goes with charts, trends, and summary stats. It’s like a simplified Mint or YNAB designed specifically for a teen’s spending patterns.

### What You See When You Open It

#### USER WALKTHROUGH

**Header:** Dark background with “MyMoney” in green accent. Subtitle: “Know where your money goes.” Filter bar underneath: buttons for “This Week | This Month | This Year | All Time.”

**Summary cards:** Four cards across the top: Total Spent (\$342.50), Average Per Day (\$11.42), Top Category (Food — \$128), Number of Entries (47). Each card has a subtle background and large, bold number.

**Bar chart:** A Chart.js bar chart showing spending by category: Food (\$128), Entertainment (\$67), Transport (\$52), Clothes (\$45), Other (\$50.50). Clear labels, green color scheme. Bars are sized proportionally.

**Line chart:** Below the bar chart, a line chart showing daily spending over the last 30 days. Shows patterns: spending spikes on weekends, lower on weekdays.

**Doughnut chart:** A doughnut chart showing the percentage breakdown of spending by category. Hover shows exact amounts.

**Add Expense form:** A clean form: Date (defaults to today), Category (dropdown: Food, Entertainment, Transport, Clothes, Other), Amount (number input), Description (optional text). “Add Expense” button. Adding an entry instantly updates all three charts and the summary cards.

**Data table:** A scrollable table at the bottom showing all entries: Date, Category, Amount, Description. Sortable by date (newest first by default). Filtered by the same time period as the charts. Delete button on each row.

**Empty state:** New users see: “No expenses yet. Add your first one above to start tracking.” Charts show placeholder axes with no data.

## Technical Details

- Single HTML file, ~600 lines (HTML + CSS + JavaScript + Chart.js CDN)
- 3 Chart.js charts (bar, line, doughnut) that all respond to filters
- localStorage stores all expense entries as JSON
- Filter controls update charts, table, AND summary metrics simultaneously
- Input validation: amount must be a positive number, category required
- Responsive: charts resize, form stacks vertically on mobile, table scrolls horizontally
- Dark theme with green accent (#34d399)

## Why It’s Portfolio-Worthy

- Demonstrates real data visualization skills with multiple chart types
- Interactive filtering shows dynamic JavaScript capability
- Solves a genuine problem — the student actually uses this to track their spending
- The data entry + visualization loop is a complete application, not just a display page
- Could be extended with budgeting features, making it a legitimate personal finance tool

## How These Compare to “Not Ready Yet”

Here’s what distinguishes a portfolio-worthy project from a rough draft:

ROUGH DRAFT

PORTFOLIO-WORTHY