

Project Specifications

AI Builder Lab | What You're Building, Screen by Screen

This document tells you exactly what your finished project should include. Think of it as your project's blueprint. You still have choices — you pick the variation that excites you, customize the details, and make it yours. But the structure and required features are defined here so you always know what to build next.

How to use this: Find your track below. Pick one variation (or combine elements). Use the screen specifications as your building guide in Sessions 1–3. Check the “Done” criteria at the end to know when your project is complete.

Track 1: Personal Productivity Tool

Build something that helps you organize, track, or improve part of your daily life.

Choose Your Variation

VARIATION A: DAILY HABIT TRACKER

Track daily habits with checkboxes, streaks, and completion percentages. Perfect if you want to build good routines.

User journey: Open app → see today's habits → check off completed ones → see streak grow → add or remove habits over time.

VARIATION B: STUDY PLANNER

Plan homework, track assignments, and manage deadlines. Great if you want something immediately useful for school.

User journey: Open app → see upcoming assignments by due date → add new assignments → mark as complete → see what's overdue.

VARIATION C: FITNESS / WELLNESS LOG

Log workouts, water intake, sleep, or any wellness metric. Good if you're into health and fitness tracking.

User journey: Open app → log today's activity → see weekly summary → track trends over time → set goals.

Required Screens & Features (All Variations)

No matter which variation you choose, your project needs these screens:

► Main Dashboard (index.html)

Purpose: The screen users see first and use most often.

Key elements:

- Title/header with your app name
- Today's list: items to track/complete for today
- Progress indicator showing today's completion (e.g., "3/5 habits done" or progress bar)
- Quick-add: input field + button to add new items without leaving this screen

► Item Management

Purpose: Where users add, edit, and remove items they're tracking.

Key elements:

- Add new item with name (required) and optional details (category, frequency, goal amount)
- Delete items with confirmation ("Are you sure?")
- Edit existing items (at minimum: rename)
- Visual distinction between active and completed items

► Progress/Stats View

Purpose: A summary that shows trends and motivates continued use.

Key elements:

- At minimum: a streak counter OR weekly summary OR completion percentage
- Historical view: what did I do this week? This month?
- One visual element: a simple chart, progress bar, or color-coded calendar

MUST-HAVE FEATURES

- Add new items via input field
- Mark items complete/incomplete with visual feedback
- Delete items with confirmation
- Data persists between browser sessions (localStorage)
- Progress indicator (streak, percentage, or count)
- Works on mobile
- Input validation (no empty submissions)

NICE-TO-HAVE FEATURES (PICK 1-2)

- Categories or tags for items
- Dark/light mode toggle
- Weekly/monthly summary chart (using Chart.js)

- Export data as text or CSV
- Motivational messages based on streaks
- Custom color themes

DONE CRITERIA — YOUR PROJECT IS COMPLETE WHEN

1. A user can open it and immediately understand what it does
2. They can add, complete, and delete items
3. Their data is still there when they come back tomorrow
4. It looks clean and consistent (not default browser styling)
5. It works on a phone
6. You've scored 3+ in all 5 rubric categories

Track 2: Creative Portfolio or Community Site

Build a site that showcases your work, shares recommendations, or provides a resource for a community you care about.

Choose Your Variation

VARIATION A: PERSONAL PORTFOLIO

Showcase your art, photography, writing, music, or any creative work. Build your online presence.

User journey: Land on homepage → see featured work → browse gallery by category → read about the creator → contact.

VARIATION B: RECOMMENDATION SITE

Curate and share your favorite books, movies, games, music, restaurants, or anything you're passionate about.

User journey: Land on homepage → browse recommendations → filter by category/genre → click for details → maybe take a quiz for personalized picks.

VARIATION C: COMMUNITY RESOURCE HUB

Create a resource for a group you belong to: a club, a neighborhood, a fandom, a study group, volunteers.

User journey: Land on homepage → see what this site offers → browse resources/opportunities → filter by type → learn more → get involved.

Required Pages & Features (All Variations)

► Homepage (index.html)

Purpose: First impression. Must communicate what the site is about within 5 seconds.

Key elements:

- Hero section: title, subtitle, and 1–2 sentence description
- Navigation bar linking to all pages
- Featured content: 3–4 highlighted items in a grid or cards
- Footer with your name and any relevant links

► Content Page (gallery.html / recommendations.html / resources.html)

Purpose: The main collection of your content.

Key elements:

- Grid or list of 8–15 items, each with title, image/placeholder, and short description
- Category tags or labels on each item
- Working filter buttons (click a category to show only matching items)
- At least one interactive feature: search bar, sort options, or recommendation quiz

► About Page (about.html)

Purpose: Who made this and why.

Key elements:

- 2–3 paragraphs about you and/or the project’s purpose
- Why you made this site
- Contact form (doesn’t need to actually send email — a confirmation message is fine)

M U S T - H A V E F E A T U R E S

- 3+ pages with consistent navigation and footer
- Content page with 8+ items and working category filters
- Hero section that clearly communicates purpose
- Mobile-responsive layout
- At least one interactive feature (search, sort, quiz, or dark mode)
- Real content (your actual work, recommendations, or resources — not lorem ipsum)

N I C E - T O - H A V E F E A T U R E S (P I C K 1 - 2)

- Dark/light mode toggle
- Recommendation quiz (“Answer 3 questions and I’ll suggest...”)
- Smooth scroll animations
- Image lightbox (click an image to see it full-size)
- Social media links
- Testimonials or reviews section

D O N E C R I T E R I A

7. A visitor can understand what the site is about within 5 seconds of landing
8. They can browse, filter, and find content easily
9. The site has your real content (not placeholder text)
10. Navigation works on every page
11. It looks professional on both desktop and mobile
12. You’ve scored 3+ in all 5 rubric categories

Track 3: Data Explorer Dashboard

Build a tool that collects, visualizes, and helps you understand data about something you care about.

Choose Your Variation

VARIATION A: PERSONAL FINANCE TRACKER

Track spending, income, and savings. Visualize where your money goes.

User journey: Open dashboard → see spending summary → add new expenses → view charts by category and time → filter by date range.

VARIATION B: TOPIC DASHBOARD (Sports, Environment, Music, etc.)

Explore data about a topic you're passionate about. Sports stats, climate data, music trends, gaming analytics — anything with numbers.

User journey: Open dashboard → see key metrics → explore different charts → filter by category/time → discover insights.

VARIATION C: INTERACTIVE QUIZ APP

Build a quiz that collects answers, scores results, and displays analytics.

User journey: Start quiz → answer questions → see score with explanations → view a dashboard showing all quiz-takers' results.

Required Screens & Features (All Variations)

► Dashboard (index.html)

Purpose: The main view showing key metrics and visualizations.

Key elements:

- Header with dashboard title
- 3–4 summary metric cards (large numbers with labels, e.g., “Total Spent: \$342”)
- At least 2 charts showing different views of the data (bar, line, pie, doughnut)
- Filter controls: date range dropdown AND/OR category filter
- All charts and metrics update when filters change

► Data Entry / Input

Purpose: How new data gets into the system.