

Vision

Create an automated tool for the lifecycle of a construction project from initial quote to final invoice.

The software should allow the owner to:

- Enter client information (name, address, email).
- Perform a full intake of project specifications.
- Generate quotes and finalize invoicing seamlessly.

Core Features

Database

- **Rooms:** All possible room types (e.g., bathroom, kitchen, powder room, living room).
- **Building Materials:** Raw materials associated with each room type, with editable default prices (e.g., screws, drywall).
- **Finishing Materials:** Paint colors, flooring types, trims, baseboards, faucets, etc., with editable default prices.
- **Additional Costs:** Default costs for items like waste bins, city inspection fees, permit fees (editable).
- **Trades:** All possible trades with multiple provider options and base hourly/job fee structures.

Price Control

- Built-in pricing chart (user-generated).
- *Nice to have but not critical:* Integration with vendor websites for real-time market prices.
 - Example: Clicking on “2x4” opens a price grid showing:
 - Default price.
 - Market prices from Home Depot, Home Hardware, Canadian Tire (linked via URL).

- **Rule:** App defaults to the vendor with the cheapest market price.

Workflow

Part 1: Structural Phase

- **Scenario:**
 - Owner meets client for consultation.
 - Starts a new project on iPad.
 - Enters CRM info, target end date, and budget.
 - Tours the house with the client.
 - Selects room (e.g., bathroom).
 - Enters dimensions (width + length).
 - Enters demolition cost based on volume and adds waste bin cost.
 - Materials menu: Owner selects required materials and quantities → auto-generates prices and adds to quote.
 - Repeat for all rooms in the project.

Part 2: Finishing

- Typically involves client input at a later phase for design choices.

Part 3: Quote Finalization

- Owner reviews and fine-tunes:
 - Pricing.
 - Special instructions.
 - Adds new materials if needed.
- **Delivery:**
 - Print or email with one click.
 - Client can modify for communication adjustments.
 - Integrated electronic acceptance and signature (optional).

Post-Acceptance Workflow

1. Project Activation

- The signed quote triggers the project status to “Active.”
- Validate material usage and labor hours.
- Add any extras or adjustments (e.g., unforeseen repairs).

2. Invoice Generation

- Once the project or phase is complete:
 - Generate invoice(s) based on the quote and any approved changes.
 - Send electronically for payment and track status.