Prototype Development Plan: "Total Cost Control"

# Core Features to Include

Voice Input for Data Entry:

* - Enable users to input data using voice commands. This could include logging hours worked, materials used, or any other key data points.

Simple Text-Based Data Entry:

* - Provide a basic interface for users to input data manually if they prefer.

AI-Driven Categorization:

* - Automatically categorize and assign the entered data to the appropriate cost codes.

Basic Reporting:

* - Generate simple reports that summarize the data entered, showing categorized expenses and productivity metrics.

# Step-by-Step Development

Step 1: Define the Prototype Scope

* - Data Points: Focus on a few key data points such as labor hours, material costs, and equipment usage.
* - Cost Codes: Implement a small set of cost codes to demonstrate the categorization functionality.

Step 2: Develop the User Interface

* - Voice Input Integration: Use Azure’s Text-to-Speech API to enable voice input. Keep the interface minimal with a single button to activate voice input.
* - Text Input Form: Provide a simple text field where users can manually enter data. Include dropdown menus or predefined categories for ease of use.

Step 3: Build the AI-Driven Back-End

* - Simple AI Model: Implement a basic NLP model that can interpret the data entered and assign it to the correct cost code. Use predefined rules or a lightweight machine learning model to handle categorization.
* - Data Storage: Store the data locally or use a simple cloud database to keep it lightweight.

Step 4: Create a Basic Reporting Feature

* - Summary Report: Develop a basic report that summarizes the categorized data. Include totals for each cost code and a simple visualization (e.g., bar chart).

Step 5: Testing & Refinement

* - User Testing: Test the prototype with a small group of users to ensure it’s easy to use and demonstrates the core features effectively. Gather feedback for quick adjustments.
* - Refinement: Make any necessary tweaks to improve usability and functionality based on testing feedback.

Step 6: Prepare for Demonstration

* - Pitch Deck Integration: Integrate the prototype into your pitch deck, highlighting how it solves the identified problem.
* - Live Demonstration: Prepare a live demo script that walks potential clients through the key features of the prototype, emphasizing ease of use and the AI-driven categorization.

# Development Timeline

Week 1: Define scope, develop the UI, and integrate voice input.

Week 2: Build the AI model and back-end for data storage and categorization.

Week 3: Create the reporting feature and conduct initial testing.

Week 4: Refine based on feedback, prepare for the demo, and finalize the prototype.