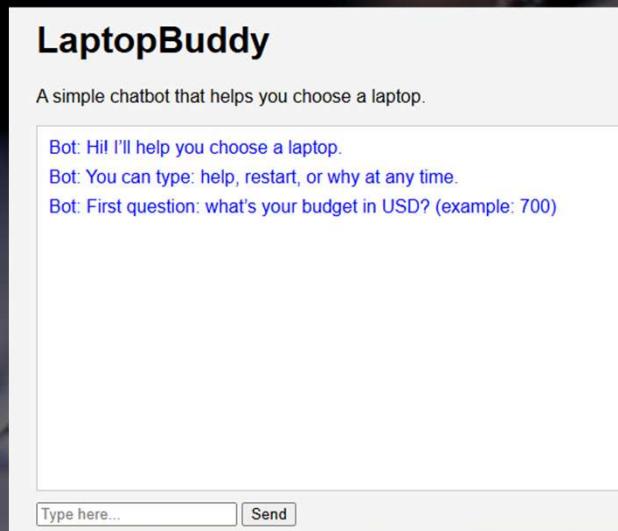


# LaptopBuddy

*A simple chatbot focused on conversation design, error handling, and realistic decision making*



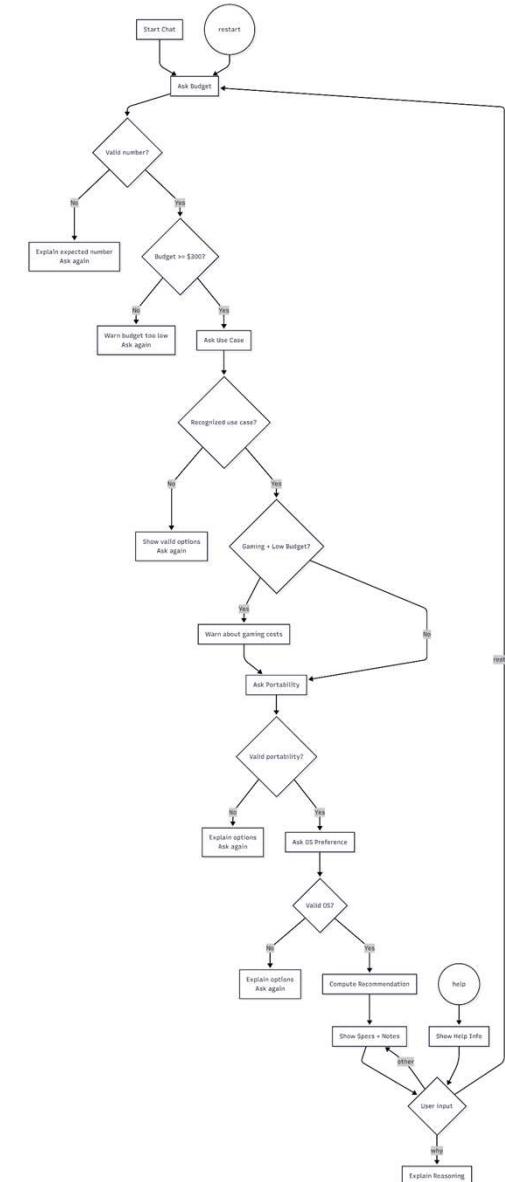
Scenario: Helping a customer choose a laptop

Goal: Guide users to a realistic recommendation through a short conversation

Focus: UX clarity, edge cases, and transparency

# Conversation Design

- Step by step flow to reduce cognitive load
- One question at a time (budget -> use case -> portability -> OS)
- Global commands at any time
  - Help
  - Restart
  - Why



# Error Handling & Problem Solving

- Non-numeric budget input
- Unrealistically low budgets
- Conflicting expectations (gaming + low budget)
- Unrecognized answers
- Clear expectations instead of silent failure

## LaptopBuddy

A simple chatbot that helps you choose a laptop.

Bot: Hi! I'll help you choose a laptop.

Bot: You can type: help, restart, or why at any time.

Bot: First question: what's your budget in USD? (example: 700)

You: 600

Bot: Got it. What will you mainly use the laptop for? Options: school, ga

You: gaming

Bot: Quick heads-up: Gaming laptops with dedicated GPUs usually start

## LaptopBuddy

A simple chatbot that helps you choose a laptop.

Bot: Hi! I'll help you choose a laptop.

Bot: You can type: help, restart, or why at any time.

Bot: First question: what's your budget in USD? (example: 700)

You: cheap

Bot: I need a number for budget. Example: 700.

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# Technical Implementation & Improvements

## Technical Implementation:

- HTML/CSS/JavaScript (no backend)
- State-based conversation logic
- Rules-based recommendations using realistic price tiers
- Simple, readable code

## Improvements:

- Real Product catalog integration
- Quick reply buttons
- Product comparisons
- Persisting user state