

# KYLIE'S LAPTOP HELPER

Laptop Helper

Greeting

Hello! I can help you find the perfect laptop.  
What will you mainly use your laptop for?

Work / Business

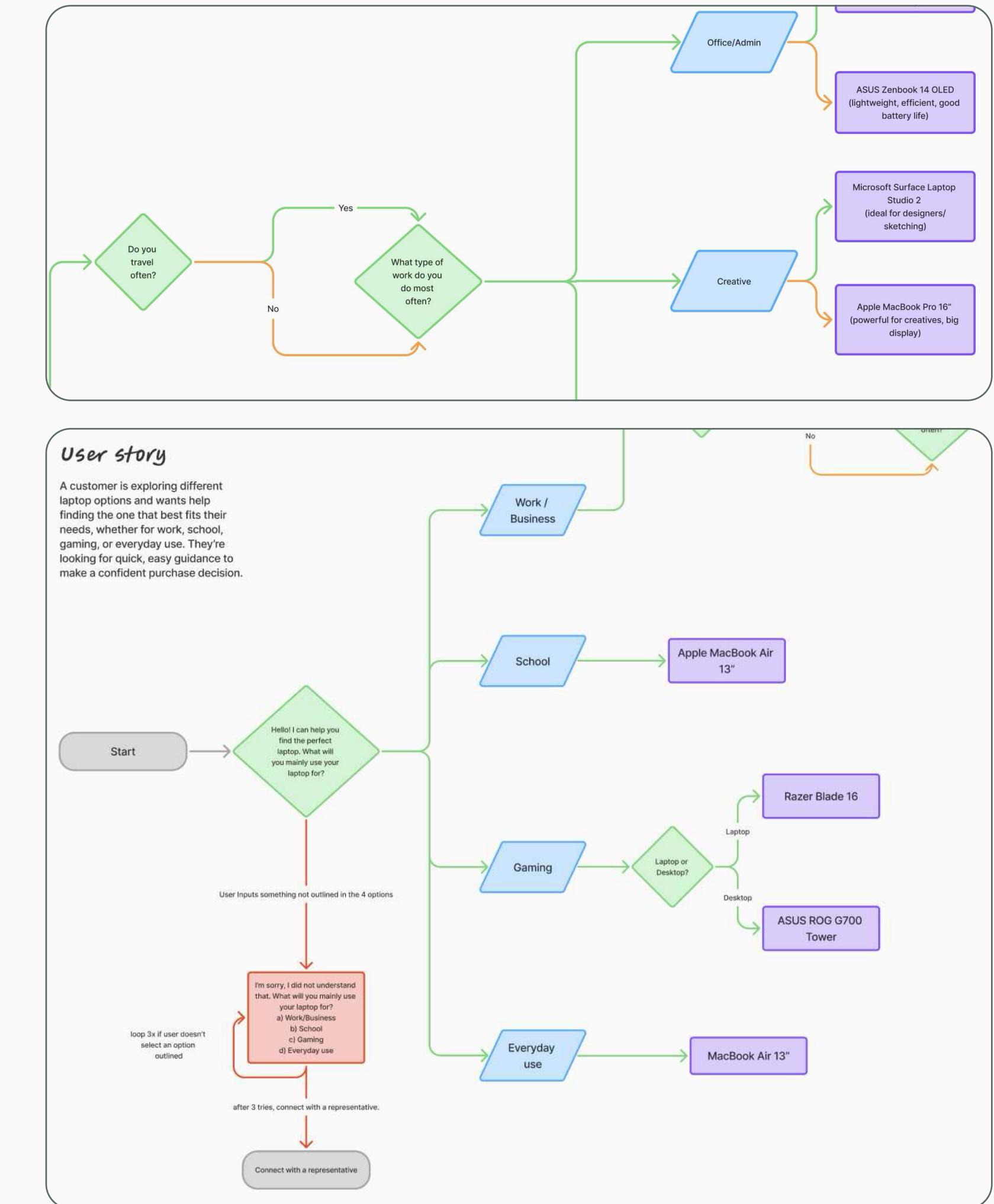
School

Gaming

Everyday use

# TECHNICAL IMPLEMENTATION

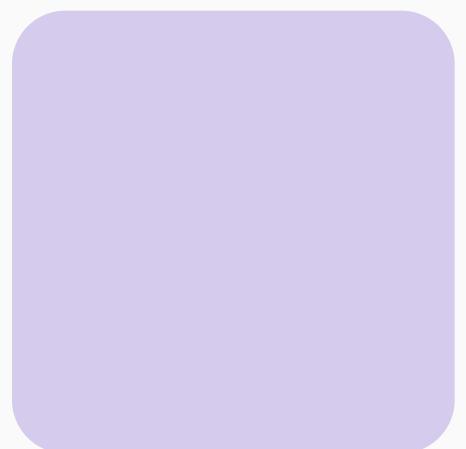
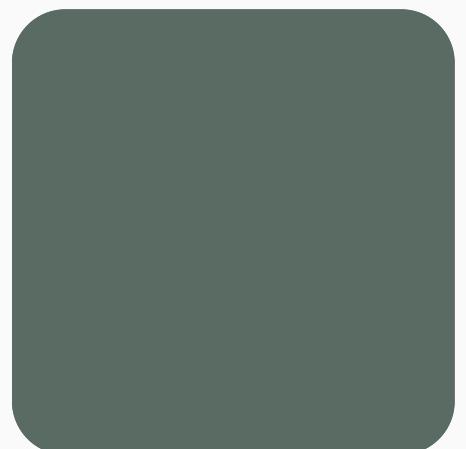
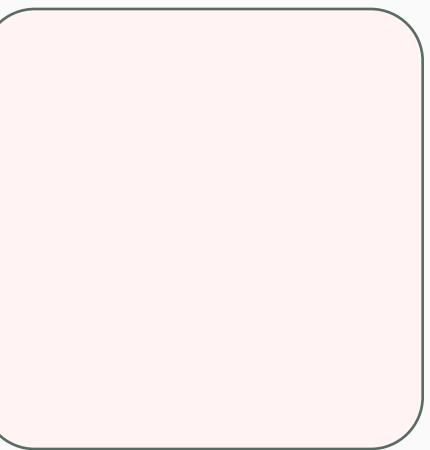
- Built using HTML, CSS, and JavaScript. No frameworks, for simplicity.
- Uses a state-machine model:
  - Each “state” knows what question to ask next.
  - Transitions occur based on user responses
- Error handling: chatbot detects invalid input, provides hints, and triggers an agent handoff after 3 failed attempts.
- Lightweight & accessible: runs directly in the browser, no installation required.



# DESIGN CHOICES

---

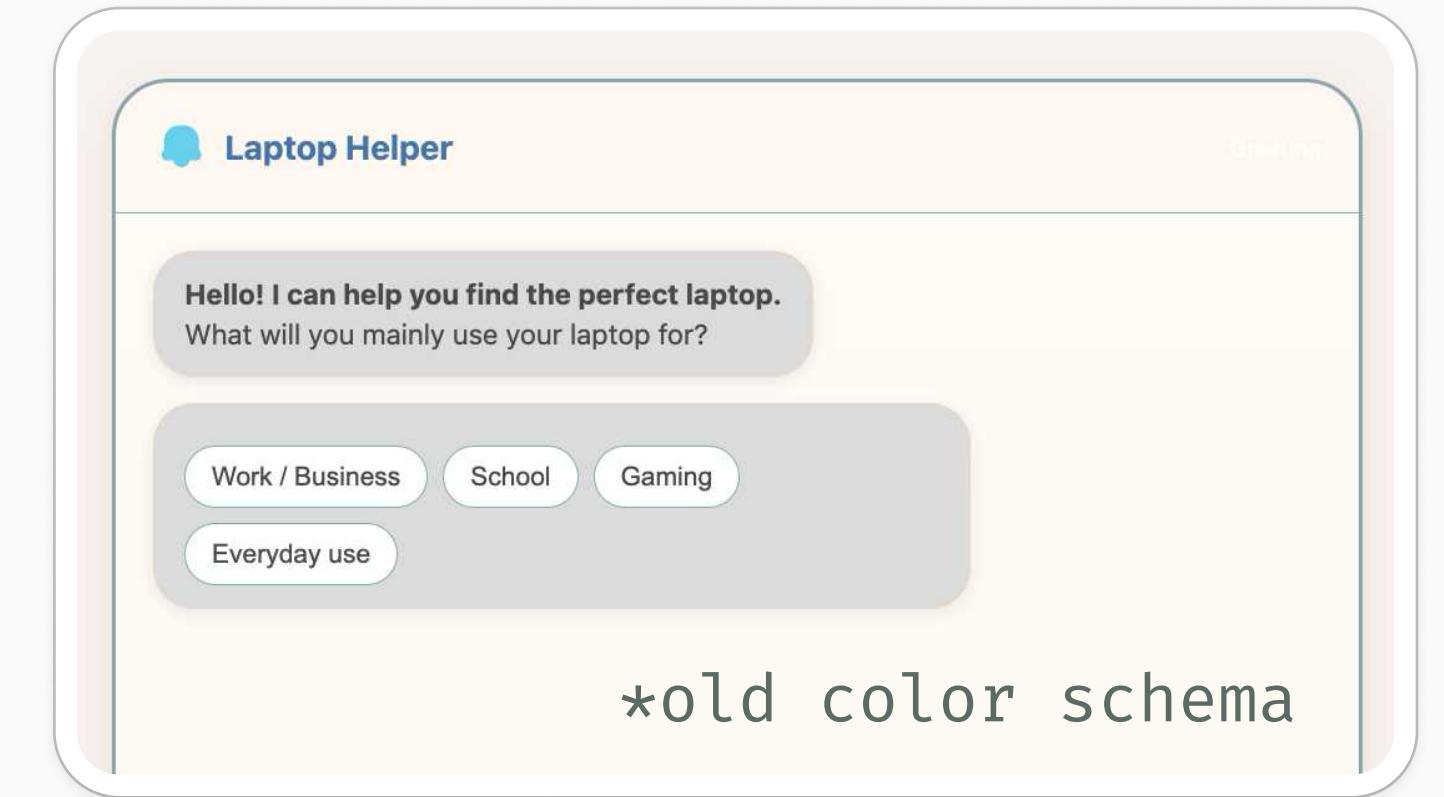
- Focused on a clean sage aesthetic – soft greens, whites, and neutrals to create a calm, modern feel.
- Used rounded edges, gentle shadows, and minimal text contrast to reflect a “friendly and approachable” tone.
- Prioritized readability and flow – kept spacing generous and the interface uncluttered.
- Designed the UI to simulate a natural chat experience with smooth animations and consistent bubble colors.



# CHALLENGES FACED

---

- Color balancing: Finding a soft, cohesive color scheme that still had enough contrast for accessibility.
- State tracking: Ensuring the chatbot correctly remembered user responses across multiple branches.
- Error handling: Making invalid input responses feel natural rather than robotic or repetitive.



# FUTURE IMPROVEMENTS

- Add natural language understanding to interpret freer user input instead of exact keywords.
- Integrate a database or API for dynamic laptop recommendations. Right now the recommendations are static.
- Implement voice input/output for accessibility.
- Add conversation logging or analytics to track user choices and improve flow.
- Continue refining UI animations for a smoother, more polished feel.