



STUDENT BRIEF

AUDIT AND REDESIGN CUSTOMISATION SOFTWARE FOR ENHANCED ACCESSIBILITY

Logitech

Summary

Logitech makes mice, keyboards, webcams, headsets, gaming gear and the software that brings them to life. Our customisation apps (Options+ and G HUB) can make tech easier to use, but the setup process still trips some people up. I'd like you to audit one of these apps from an accessibility point of view, then redesign the setup journey with AI support built in. You'll come away with a clear problem statement, evidence from real users, a reworked flow with AI features, and a set of accessibility presets for different needs.

KEY WORDS

Logitech, assistive technology, accessibility, WCAG 2.2, inclusive design, screen reader, keyboard-only, colour contrast, neurodiversity, ADHD, dyslexia, reduced hand mobility, low vision, hearing loss, UX research, heuristic evaluation, AI assistant, natural language, presets, onboarding, wireframes, prototyping, cost-effectiveness, scalability

INDUSTRY

Consumer electronics, Software, Digital, IT and Computing, Gaming

FOCUS

- Auditing Options+ or G HUB setup with accessibility heuristics
- Finding pain points for low vision, reduced mobility, reduced hearing, and neurodiversity
- Prototyping an AI-guided onboarding and device sync flow
- Designing condition-based presets for mice, keyboards, audio and lighting
- Estimating impact, costs and rollout options



Brief

I work on the software experience team at Logitech. Lately we've added features that help people tailor our gear to how they work and play. The output can be very accessible – remapping buttons, oneclick shortcuts, sensitivity tweaks,





highcontrast backlighting, audio cues, and our Actions Ring overlay. The problem is the journey to get there. For some users, the setup itself is hard: too many steps, small targets, unclear language, or screens that don't play well with screen readers. I want your eyes on this.

Pick either Options+ (for workspace kit) or G HUB (for gaming). Both are free to download. Your job is to audit the setup and first-run customisation through an accessibility lens, then propose an AI-supported flow that meets people where they are.

1) Rapid user insight sweep

- In 1–2 pages, summarise common barriers people report when setting up peripherals and customisation apps. Use public sources: r/accessibility, r/logitechG, r/MechanicalKeyboards, r/ADHD, r/dyslexia, r/blind, Logitech forums, YouTube reviews, Game Accessibility Guidelines, WCAG 2.2, GOV.UK accessibility guidance, Microsoft/Apple accessibility docs. Pull 8–12 short quotes or screenshots that show real friction.

2) Heuristic audit of current setup

- Install your chosen app. Go from welcome screen to first successful device customisation. Do it three ways: mouse only, keyboard only (no mouse), and with a screen reader (NVDA on Windows or VoiceOver on Mac). Capture the flow with notes and 6–10 annotated screenshots. Flag issues under: vision, motor, hearing, and cognitive. Rate each issue by severity and frequency (your best guess, with reasoning).

3) AI-assisted redesign of onboarding and sync

- Sketch or wireframe a new setup journey with an integrated AI assistant. Show:
- How the assistant greets and asks about needs in plain language.
- A choice of modes (lowstimulus, highcontrast, large controls, captions always on).
- Natural language device sync help (e.g. "Pair my G502 and set side button to copy-paste").
- Keyboard-only and screen reader friendly paths.
- Clear recovery if a device isn't detected, including suggested fixes.
- How Actions Ring can surface suggested shortcuts and presets during setup.

Include 8–12 frames with short labels. A photo of sketches is fine.

4) Presets for specific needs

- Propose practical, named presets for:
- Reduced hand mobility (e.g. higher pointer speed, larger click targets in UI, slower doubleclick timing, sticky modifier keys, common macros on easyreach buttons).
- Low vision (e.g. highcontrast theme, 200% scalable UI, bold focus outline, large text, backlight patterns to highlight keys, audio confirmation on apply).





- Neurodiversity: ADHD or dyslexia (e.g. Focus Mode that hides busy panels, simpler copy with short sentences, dyslexiafriendly font option, chunked steps with progress, optional voice guidance).
- Reduced hearing (e.g. captions on all videos, visual mic test meter, mute status tile, strong visual alerts instead of sounds).

Explain defaults, how users can tweak them, and how AI would suggest a preset without prying (ondevice, optin questions).

5) Impact, cost and rollout

- In a page, outline expected impact (who benefits and how you'd measure it), likely costs (reuse existing UI, rely on OS texttospeech, small language model for intents, ratelimited cloud calls for longer help), privacy notes, and a phased release plan.

A strong piece of work shows real user evidence, clear before/after screens, thoughtful presets, and a realistic plan. Link your sources at the end.

Thanks — I'll read it with a cup of tea and test your flow myself.

