

Devlin.ai Simulator Trainer

Simulation Design Blueprint

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Document Purpose

This Simulation Design Blueprint documents the instructional design rationale, visual standards, simulator architecture, and Storyline wrapper storyboard for the Devlin.ai Simulator Trainer: an AI-powered practice simulation that teaches instructional designers, learning experience designers, and L&D professionals how to build their own AI-powered practice simulations using Devlin.ai.

Business Context

Business Problem

Instructional designers across industries are increasingly asked to build practice environments for high-stakes, judgment-dependent human interactions, but most have no fast, hands-on way to learn how. The need spans far beyond any single industry:

- Customer-facing employees who must de-escalate, negotiate, or hold a difficult conversation in real time
- Managers who need to practice delivering feedback or coaching a direct report before the real conversation happens
- Instructional designers themselves, who need to practice project management and stakeholder conversations
- Nurses and medical residents who need repeated, low-risk practice with patient intake and triage conversations
- 911 dispatch and emergency communication agents who must practice high-pressure call handling
- Financial services agents who must practice sensitive, trust-building "kitchen table" conversations with clients

In every case, the bottleneck is the same: the organization has clear performance expectations, but no scalable way to give people a safe place to practice the moment before it happens for real. AI-powered simulation can close that gap, but only if the instructional designer building it knows how to translate a workplace performance moment into a working, evaluable simulation.

Business Goal

Give instructional designers and L&D professionals a fast, guided, hands-on path to building their first AI-powered practice simulation in Devlin.ai, so that any of the above industries and use cases can be served without requiring the ID to already be a Devlin.ai expert before they start.

Success looks like an ID who, after one guided session inside this simulator, can independently configure a new Devlin.ai simulation's Simulation and Evaluation tabs for a real workplace performance gap in their own organization or client engagement.

Audience

Primary Audience

Instructional designers, learning experience designers, corporate trainers, and L&D professionals who are new to Devlin.ai and want to build their first AI-powered practice simulation.

Secondary Audience (Downstream Beneficiaries)

The employees of the organizations, these instructional designers serve: customer-facing staff, managers, project-management-track IDs, nurses and residents, 911 dispatch agents, and financial services agents. They never interact with this particular sample directly, but they are the reason the business problem has weight — every simulation an ID learns to build here becomes a safe practice environment for someone whose job depends on getting a high-stakes human interaction right.

Visual Design Standards

Font Settings

Size	13px
Family	Devlin.ai default system font (not configurable in the interface)

Core Color Palette

Color Name	Swatch / Hex	Used For
Widget Container Background	#08080f	Outer container background, branded outline
Bot Message Bubble Background	#1a1a2e	Ayana Lanelle (AI character) chat bubbles
User Message Bubble Background	#0072d2	Learner chat bubbles
Bubble Text Color	ffffff	Text in both bot and user bubbles, message input field, send button
Voice Accent Color	#007fee	Listening pulse, timer pill, transcript labels (reference only — text mode build)
Page Background (Standalone)	#08080f	Standalone display page background
Loading Bar Color	#007fee	Loading screen progress bar
Status Text Color	#6b6b8a	Loading screen status text
Footer Text Color	#999999	AI disclaimer / branding footer text

Widget Dimensions

Widget Container Corner Radius	16px
Bot / User Bubble Corner Radius	14px
Message Input Field Corner Radius	15px
Send Button Corner Radius	7px
Loading Screen Corner Radius	10px
Standalone Widget Width	672px
Standalone Widget Height	600px

Branding Settings

Loading Screen Type	Traditional (background, loading bar, status text, optional logo)
"Powered by devlin.ai" footer	Hidden
devlin.ai branding on loading screen	Hidden

Simulator Build Architecture

SPECIFIED FOR CLIENT USE CASE TO MEET EXPECTED OUTCOMES

The structure below shows the full architecture of a Devlin.ai simulation build — every tab and subfield that must be configured to produce a working, evaluable practice simulation. Field content for any individual build is determined by the client's specific performance gap, audience, and desired outcome, and is populated at build time. This inventory demonstrates the completeness of the build architecture, not the content of any specific simulation.

Tab: Simulation

- Simulation Name
- Language
- Voice Mode (on/off)
- AI Character: Character Name
- Character Description
- Character Instructions
- Character's Opening Line
- Character Speaks First (on/off)
- Scenario Context
- Learner Role
- Behavior Triggers (when learner... / then character will...)
- Simulation Ending (conditions)
- Max Turns
- Response Length (Concise / Moderate / Detailed)

Tab: Evaluation

- Enable Evaluation (on/off)
- Evaluation Criteria (point-weighted, up to 100 points total)
- Deductions (point-weighted, applied after criteria scoring)
- Pass Threshold (%)
- Feedback (show in chat on/off)
- Feedback Character Limit
- Show "Try Again" Button (on/off)

Tab: Visual Editor

- Font Settings (size)
- Widget Container (background, opacity, corner radius, branded outline)
- Bot Message Bubbles (background, text color, opacity, corner radius, font weight)
- User Message Bubbles (background, text color, opacity, corner radius, font weight)
- Message Input Field (corner radius, text color, branded outline)
- Send Button (corner radius, text color, branded button)
- Voice Mode (mic button gradient, voice accent color, voice text color)
- Standalone Display (page background, widget width, widget height)
- Loading Screen (type, background, loading bar color, corner radius, status text color)
- Branding (footer visibility, loading screen branding, footer text color)

Tab: Publishing

- Web (standalone full-screen link)
- Storyline 360 (custom variables, system variables, Web Object embed URL, bridge.js implementation guide, LMS results reporting)
- Rise 360 (embed)
- LMS Standalone (SCORM 1.2, SCORM 2004, or xAPI package export)

Tab: Metrics

- Completion (attempt rate, dropout signals)
- Scores (score distribution, pattern flags for criteria needing recalibration)
- Transcripts (full learner response text, evidence base for compliance and audit)
- Revision Need (signals indicating criteria, scenario, or character adjustments before scaling)

Storyline Wrapper Storyboard

Scene 1 — Intro Scene | 2 slides

Slide [1.1] / Welcome			
Visual / Display	Slide Text	Narration / Voiceover	Animation / Interaction
Dark animated digital grid background. Welcome Video: "L C O" animated graphic with glowing circular motif. ID at Desk: PHOTOR~3.mp4, ID professional at a desk. Let's Begin Button: white pill button, bottom right.	No static on-slide text. Identity carried entirely by video content. [Button label] Let's Begin	No Storyline narration. Welcome Video and ID at Desk carry all audio and motion.	Welcome Video and ID at Desk play in sequence on the timeline. Let's Begin Button trigger: Jump to Slide 1.2 when clicked. Next button hidden.
Accessibility Notes: Both video clips require descriptive text equivalents in the Storyline accessibility panel. Let's Begin button must meet WCAG 2.2 AA contrast in Normal and Hover states.			

Slide [1.2] / The Simulation			
Visual / Display	Slide Text	Narration / Voiceover	Animation / Interaction
Background: ID professional seated at a desk facing a monitor, screen area intentionally blank. Web Object 1: Devlin.ai simulator embedded over the monitor screen area. Text Box 1: %Reese_Mood% variable reference, development/QA visibility only — not visible to the learner in published output.	No static text other than the development-only variable reference. [Ayana's opening line, rendered inside the Web Object] Welcome. This simulation is your guided Devlin.ai build companion. Keep this window open and your Devlin.ai build open in a second window. I'll explain what each section does, help you decide what to enter, and guide you through building your own simulation. Let's start with your Simulation Name: what skill, workplace situation, or performance moment do you want your learner to practice?	No Storyline narration. All conversation, character responses, and evaluation feedback are delivered entirely within the embedded Devlin.ai simulator. Text mode — no voice input or output.	bridge.js JavaScript trigger executes on timeline start, initializing variable communication between Devlin.ai and Storyline. Reese_Mood variable drives avatar state changes (curious, coaching, encouraging, confirming). Concept_Complete and Design_Stage variables track build progress. System variables (Sim_Complete, Sim_EvalComplete, Sim_Pass, Sim_Score, Sim_Feedback) update after evaluation. No Storyline-side exit trigger; Devlin.ai displays "Simulation Complete" at the bottom of the chat when

			the session ends. Design note: a future iteration should add a visible exit button that appears when Sim_EvalComplete fires.
Accessibility Notes: Web Object requires a descriptive title attribute for screen readers. Background image requires alt text. The %Reese_Mood% text box must be excluded from the Storyline accessibility reading order, as it is a development tool and not learner-facing content.			