Agent-Driven Design QA: From Deviation to One-Click Fix

An automated Claude agent that checks Figma design against implementation on every UI-relevant pull request.

ROLE	TRIGGER	MODEL	TOOLS	PLATFORM
Concept, prompt engineering, automation	PR label "ui-change"	Claude Opus 4.8	Claude Code Routines, GitHub, Figma	GitHub Pull Requests

Problem → Agent Design → Technical Setup → Automated Review → Impact

Empowering Quality

1. Discovery & Problem Analysis

🔍 Design deviations go unnoticed in review

UI-change reviews used to be manual and irregular: reviewers had to open Figma frames and code diffs side by side, comparing colors, spacing, typography, and states by hand.

CORE PROBLEM

Small design-token deviations go unnoticed

Visually close but not spec-compliant — e.g. a shadow color from the wrong color ramp — is barely visible in a plain code diff.

AFFECTED ROLES & FRICTIONS

Reviewers

Design checks happen manually and are easily skipped when PR volume is high.

Original statement:
"I don't have time to check every PR against Figma."

Developers

Even with the best intentions, color-token deviations are barely visible in the diff.

Condensed problem statement:
Looks the same visually — how am I supposed to know it's the wrong token?

Systems Thinking

2. Agent Design & Concept

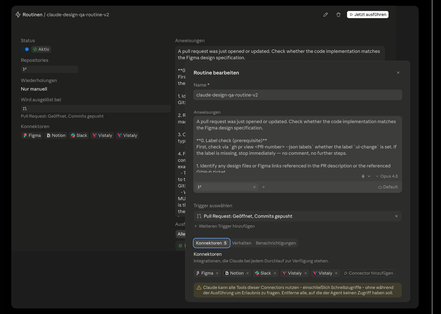
🧠 From manual review to a specialized agent

Instead of a generic prompt, a dedicated Claude Code Routine was defined that triggers automatically on every PR labeled "ui-change".

WORKFLOW STEPS

6. **Label check (gate)**
   Checks via gh pr view --json labels whether "ui-change" is set. If missing: immediate stop, no comment.
1. **Identify design reference**
   Looks for Figma links in the PR description and the linked ticket.
2. **Analyze the code diff**
   Understands which UI/component changes are being made.
3. **Compare against the Figma spec**
   Layout, spacing, colors, typography, component and responsive behavior.
4. **On deviation**
   A dedicated inline review comment per finding, anchored to the diff line — with a 1-click fix where possible.
5. **On match**
   Brief confirmation + summary table.
6. **If a design reference is missing**
   Structured follow-up question instead of assumption — documented as a status table.

ROUTINE CONFIGURATION



Automation

3. Technical Setup

⚙️ Automatic trigger via Claude Code Routines

The agent runs as a Claude Code Routine, tied to the Loqi mobile app repository. The trigger is a pull-request event — the label check in the prompt ensures only genuinely UI-relevant PRs get a full review.

TECHNICAL SPECS

Model	Claude Opus 4.8
Trigger	Pull Request → Opened, commits pushed
Repository	Loqi mobile app repository
Prompt prerequisite	Label "ui-change" must be set, otherwise no review
Connectors	Figma, Notion, Slack, Vitally
Output language	German — posted directly as a comment/review in the GitHub PR thread
Fixed output	Summary table per review + checkbox tasks in the linked ticket

AI Tooling

4. Automated Review — Core Feature: 1-Click Fix

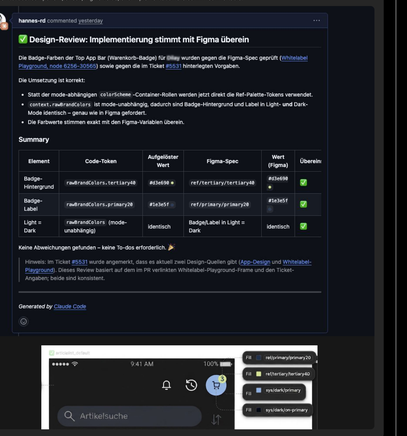
✅ From finding to applicable fix — without switching context

Deviations aren't just described — they're embedded directly in the diff as a GitHub-native "Suggested change". Developers apply the fix with a click on "Apply suggestion".

✅ FULL MATCH

Brief confirmation + summary table

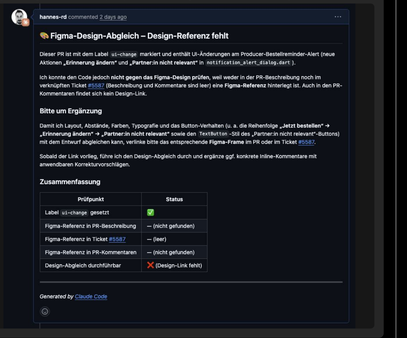
No open to-dos: component, check, Figma value, and implementation are confirmed in a table.



⚠ MISSING DESIGN REFERENCE

A targeted question instead of an assumption

The agent doesn't guess — it checks the PR, ticket, and comments for a Figma link and asks in a structured way if none is found.



⚡ DEVIATION WITH A DIRECT FIX SUGGESTION (CORE FEATURE)

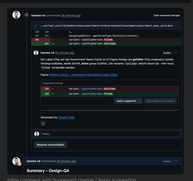
One click on "Apply suggestion" commits the fix straight to the branch

A summary table of the deviation, plus an inline comment with an applicable code suggestion as a red/green diff — GitHub-native, so developers never have to look up the spec or write the fix by hand.

```
- color: context.rawSharedColors.neutral60.withValues(alpha: 0.5),
+ color: context.rawBrandColors.neutral60.withValues(alpha: 0.5),
```



Summary of deviations (chat bubble shadow)



Inline comment with Suggested change / Apply suggestion

Impact & Validation

5. Impact & Validation

💎 Consistent design quality without manual overhead

Design quality isn't secured by extra manual effort, but by a check that's automatic, consistent, and embedded in the existing PR workflow with a one-click fix.

PRINCIPLE

Design quality isn't secured by extra manual effort, but by a check that's automatic, consistent, and embedded in the existing PR workflow with a one-click fix — from finding to fix, without switching context.