

Relay + Switchboard

AI Calling as Infrastructure



The background of the slide is a dark, high-contrast image of the IBM Simon smartphone. The device is shown at an angle, with its antenna extending from the top left. The screen is visible in the center, and the name 'Simon' is faintly visible on the right side of the device. A stylus is positioned below the phone, pointing towards the bottom right.

In 1994, IBM presented the first
smartphone: **IBM Simon**

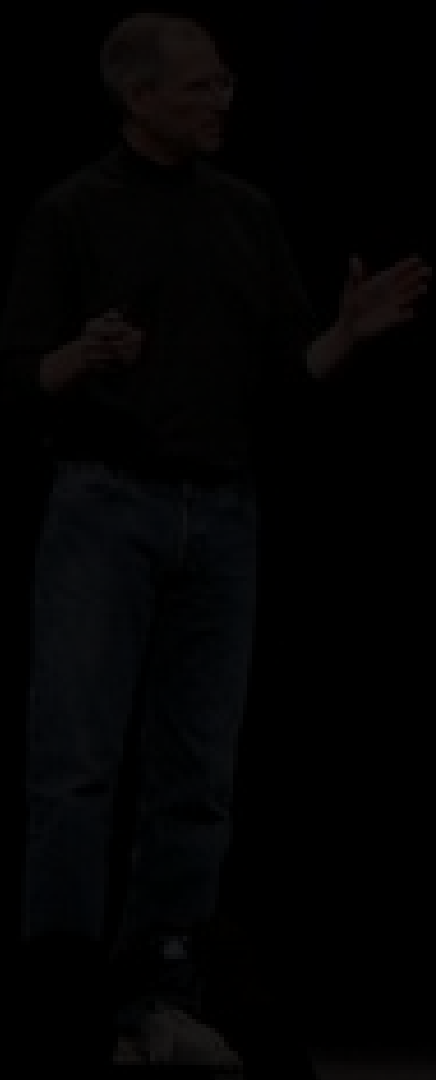


On it, you could **make** and **take calls**

But it was bulky and, sometimes, **you**
couldn't be heard due to static

2007

In 2007, Steve Jobs presented
the first Apple smartphone



On it, you could press a button to
make a call or **end a call**





You could now be heard clearly and
instantly at the touch of a button

But it is 2026 now,

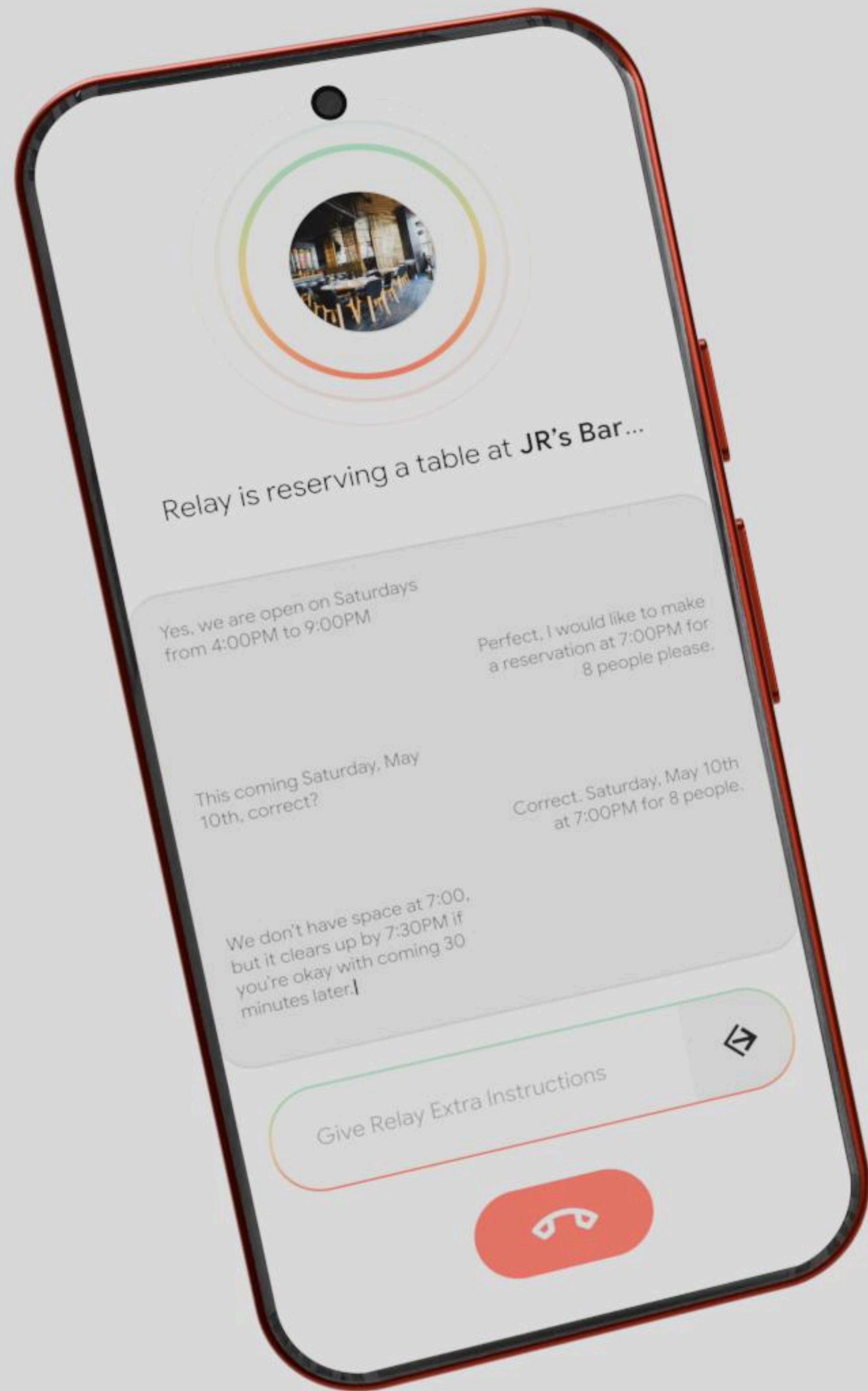


social landscapes are different

People want to be *heard*, without their voices being heard.



**What if there was a third
option?**



Save the Hassle, Relay it

At its core,

**Relay is a tool that makes
annoying phone calls disappear**

Busy with...

Driving?

Working?

Studying?

Concentrating?

Relaxing?

or Just can't take the call?

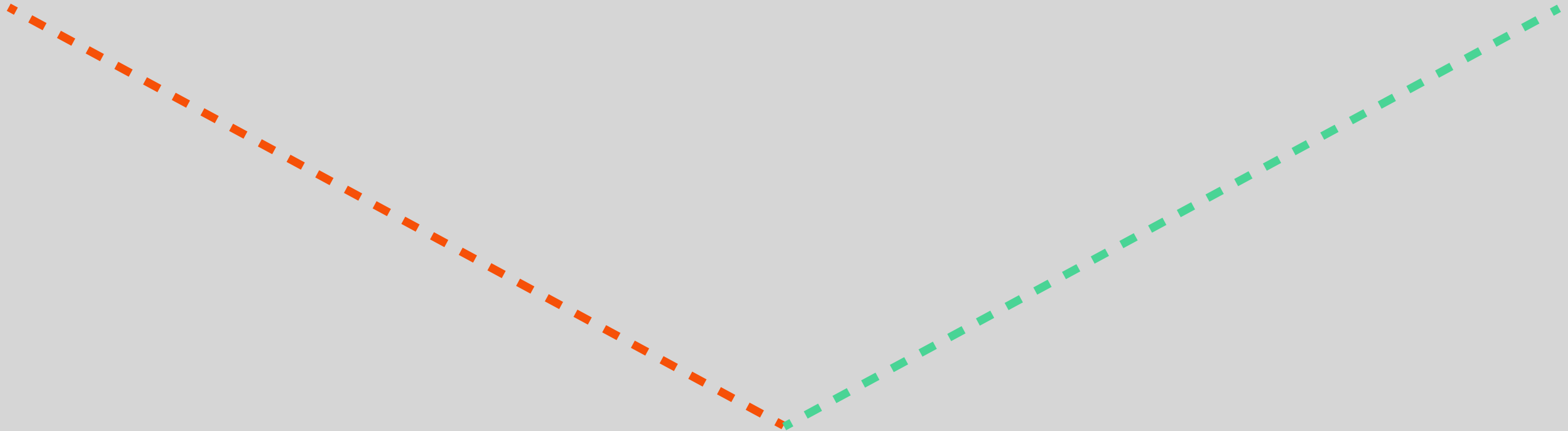
Relay handles it.



Relay your
text message

or

Relay your
spoken word



Your Choice.

“How about my privacy?”

“Why more AI slop?”

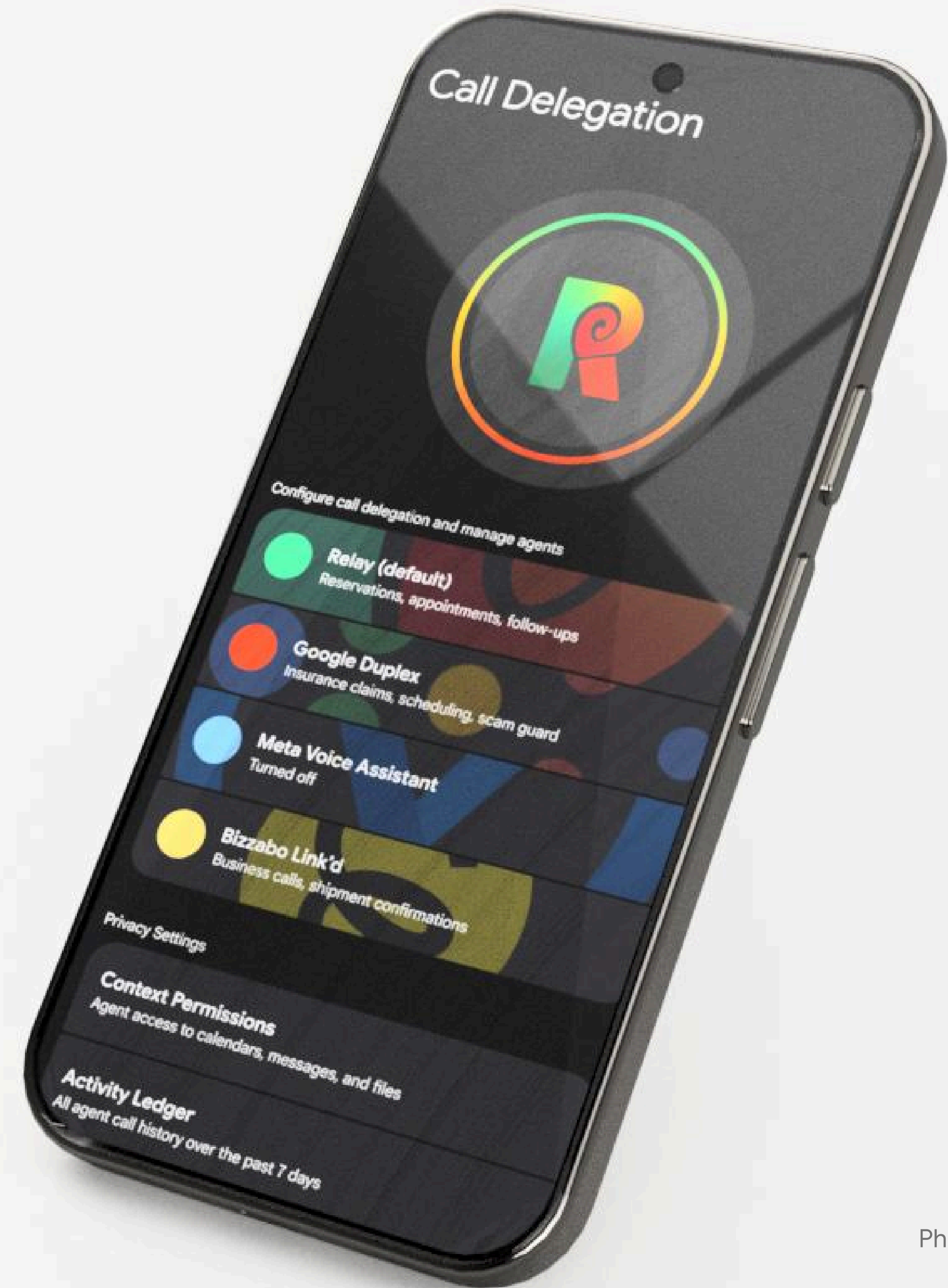
“What about alternatives?”

“How will it handle scammers?”



“What can't Relay do?”

AI as Integrated Infrastructure

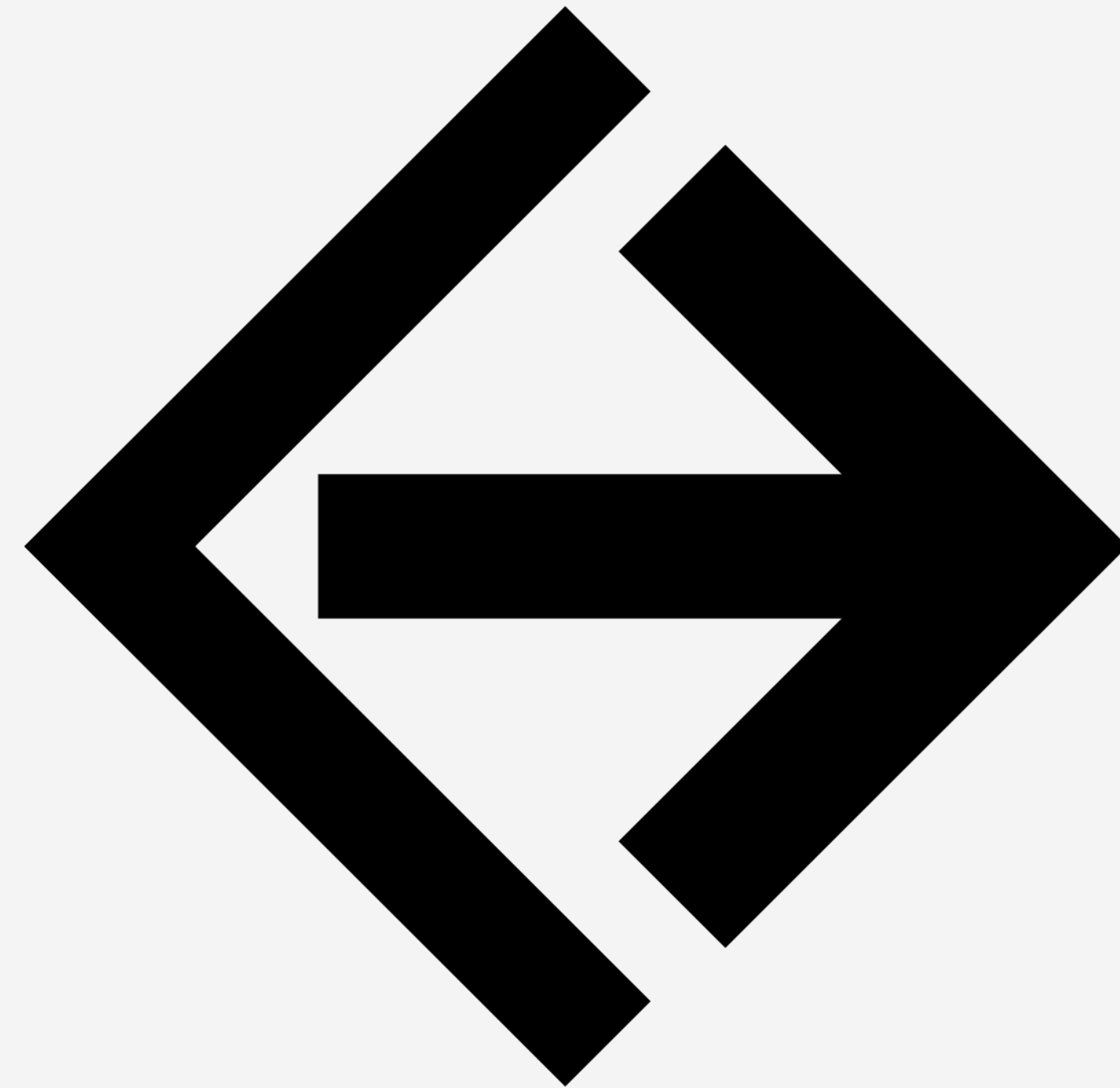
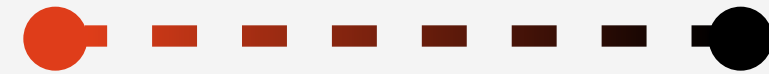


Make AI Boring.

Genericization.



This is **Relay**



This is to relay

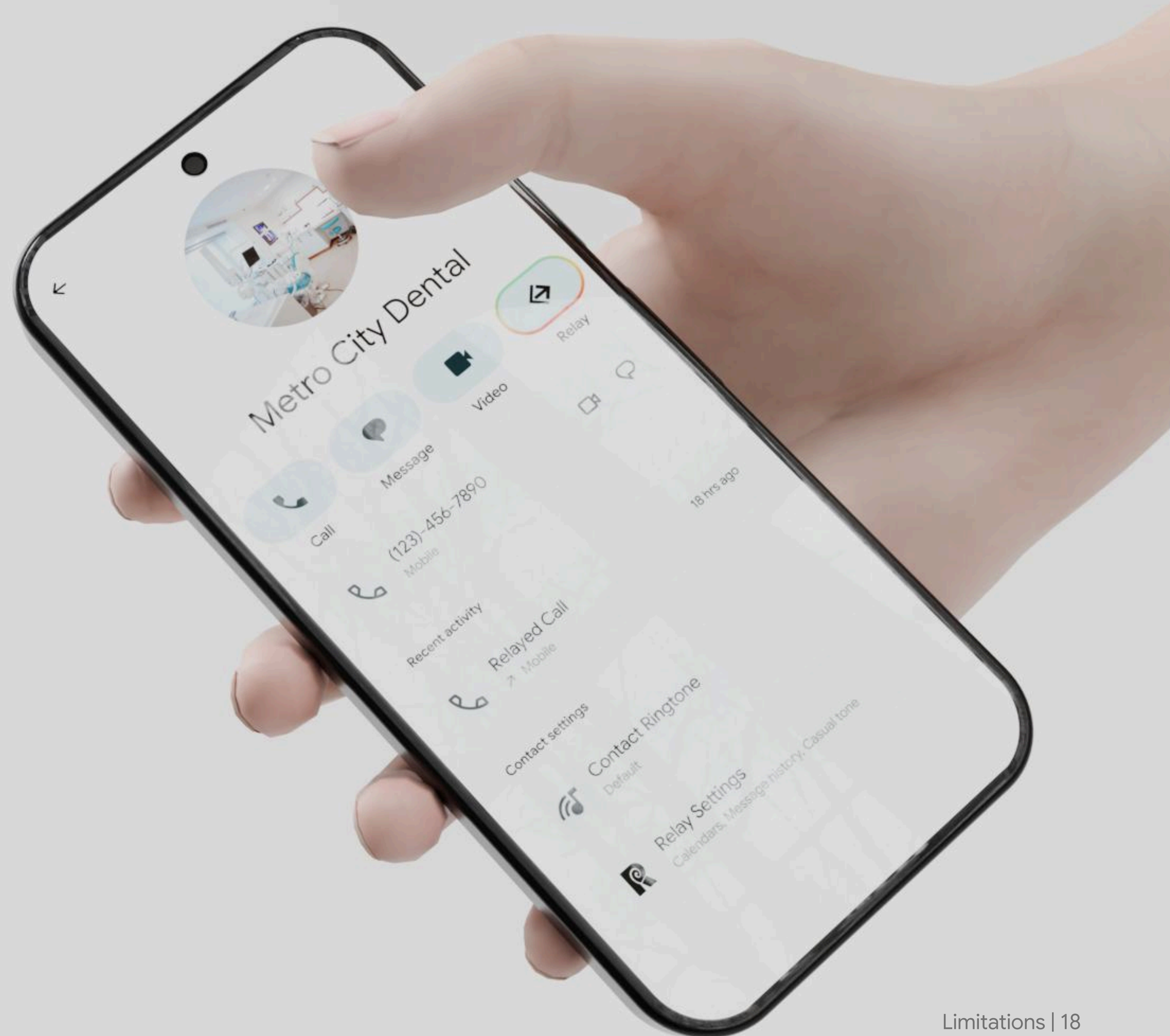
But let's get back to the product.



Relay handles **menial task calls** entirely autonomously

It will **never** be authorized to:

- Disclose payment info
- Access unpermitted personal data
- Clone voices



Relay can't handle...

- A call involving payment?
- Complex or emotional call?

It's in the name.

It relays the message back to you

Intercept mid-call

or

Follow-up after
generated
transcript



Can This be Realized by GradEx?



minutes later!

The Functional Prototype

Desktop (Home)

Hosts all Back-end Services

Hosting:

- Node.js Backend
- Kokoro Text-to-Speech (TTS) AI
- Anthropic Speech Logic API
- Ngrok tunnel

Laptop

Displays Video & Presentation

Displaying:

- Presentation on laptop monitor
- Video on HDMI-connected monitor

iPhone 8

Displays Relay Prototype

Displaying:

- Fully interactive Relay UI

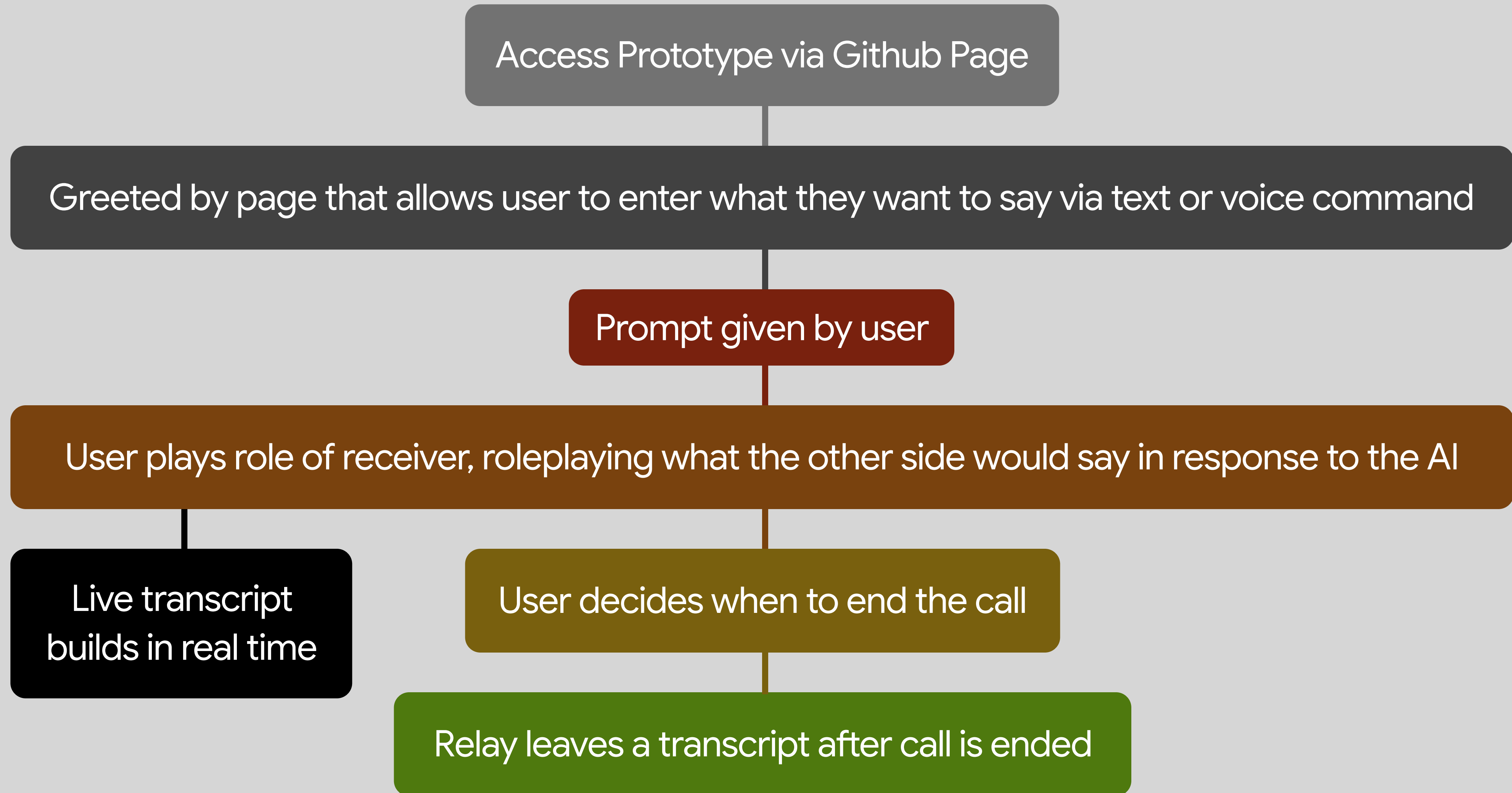
Github

Hosts all Front-end UI Elements

Hosting:

- Fully interactive Relay UI for all to test out
- URL connected via NFC sticker

Final Prototype Interaction Process



The Backend: Complete

Frontend: In-progress

(Must Finish by: End of March)

Research Report: In-progress

(Must Finish by: First week of April)

Exhibit Prep: Not Started

(Must Finish by: Mid-April)

```
JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON
status: "Relay backend running"
time: "2026-03-17T07:38:18.816Z"
```



Metro City Dental

Thank You

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3199303

