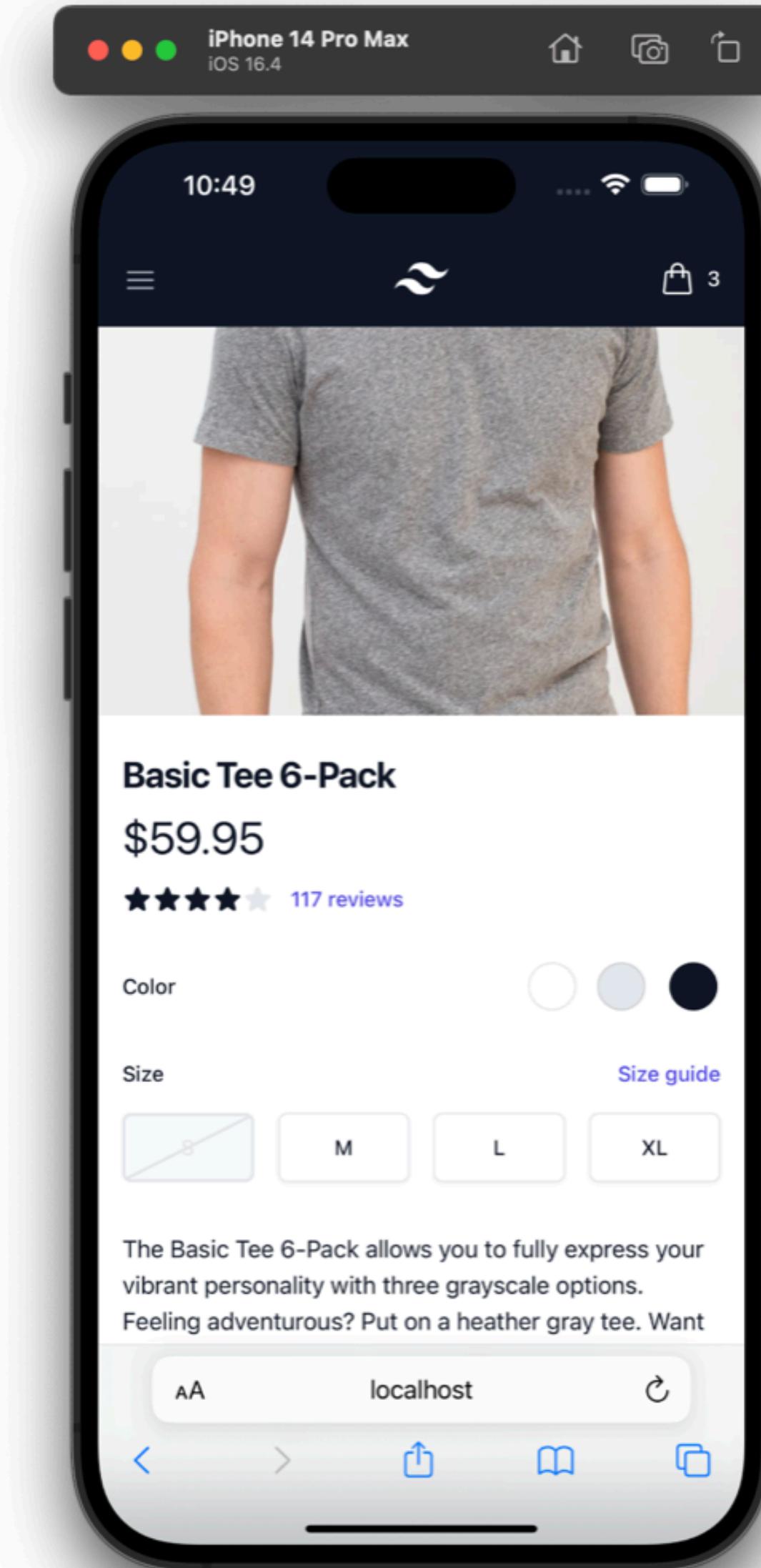


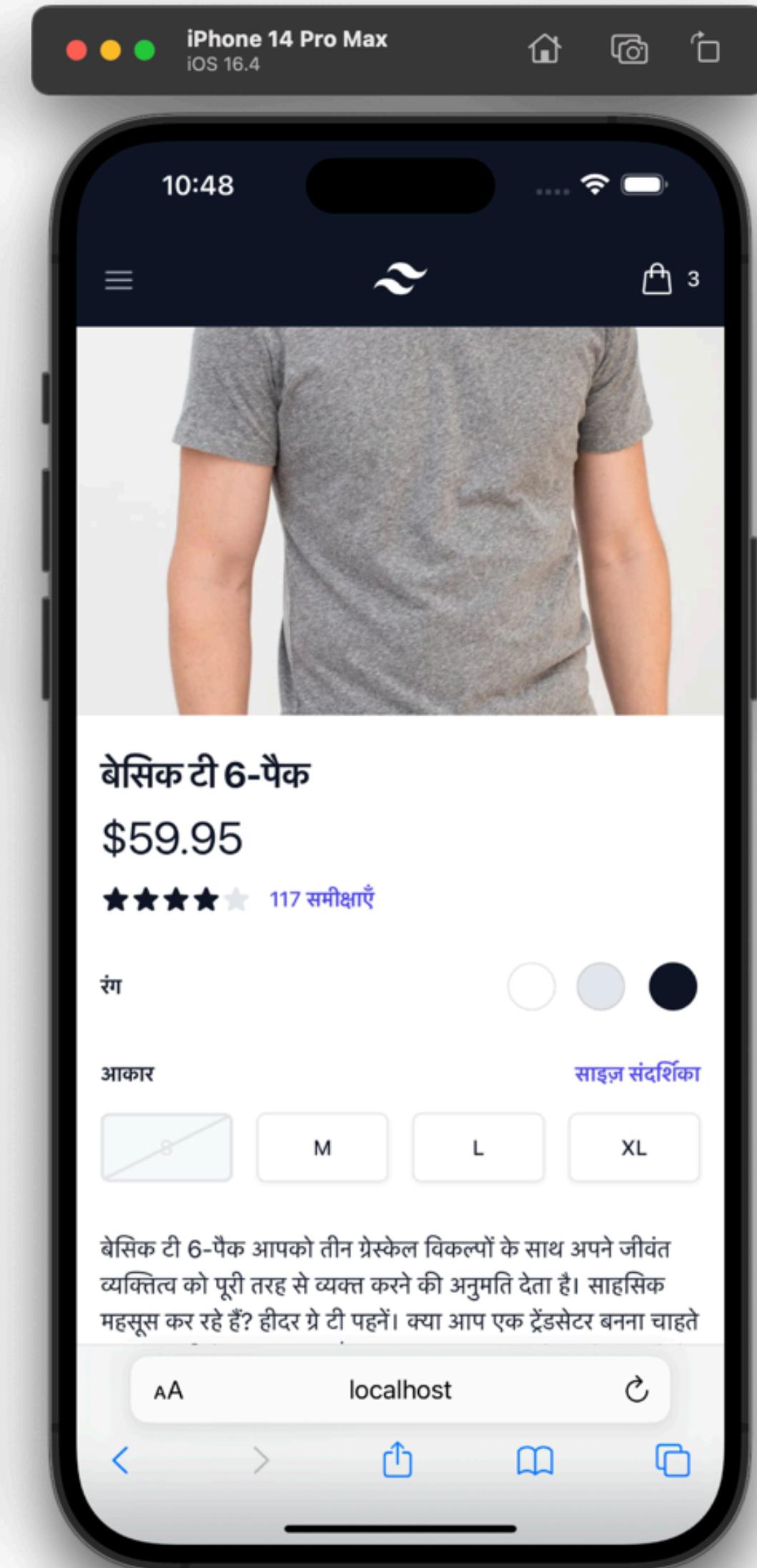
Working with the Common Locale Data Repository in Elixir

Orlando
ElixirConf US

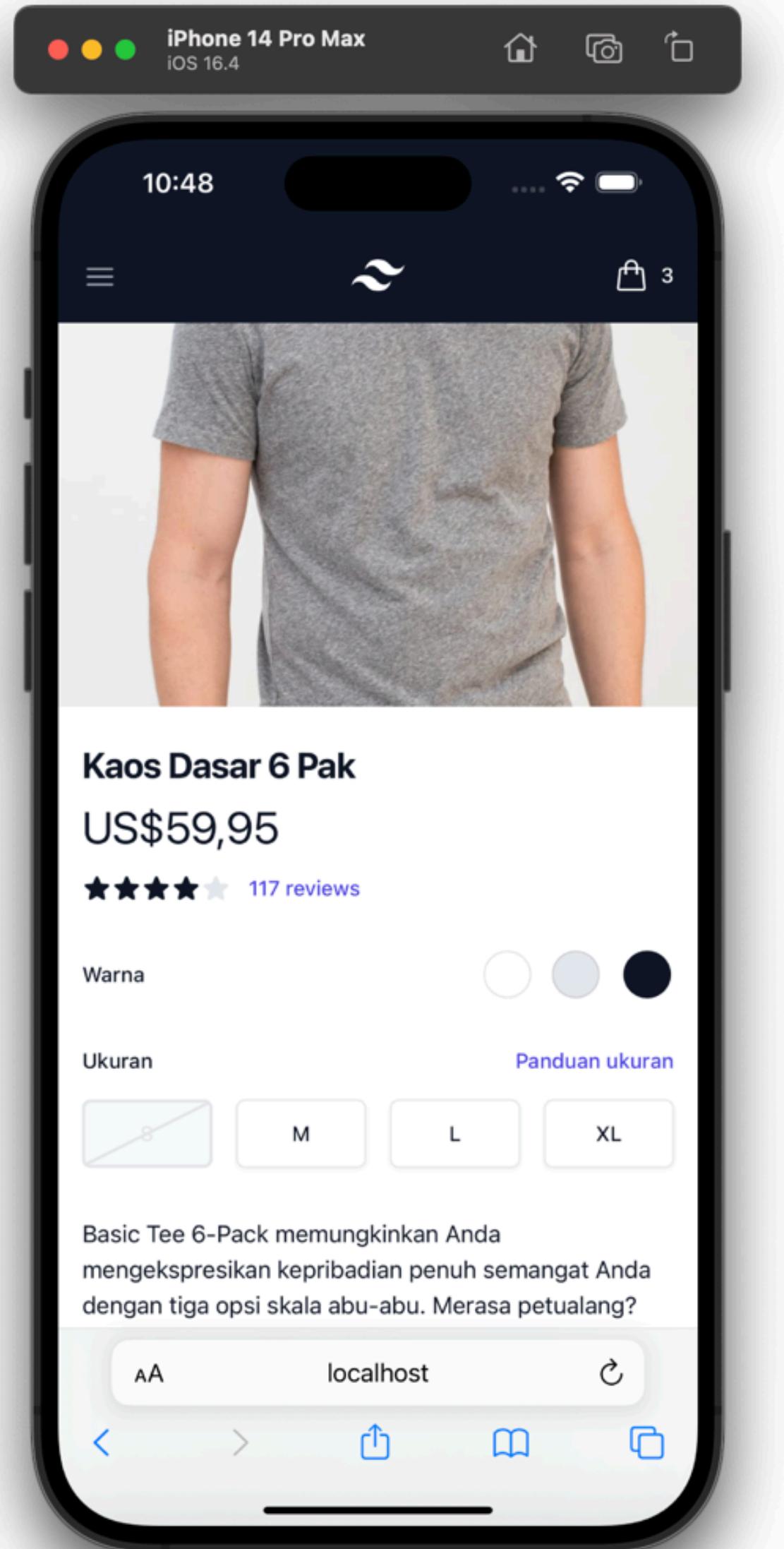




USA



INDIA



INDONESIA

that's a lot

RANK	CODE	LANGUAGE	POPULATION
1	en	English	368,000,000
2	es	Spanish (español)	139,000,000
3	fr	French (français)	13,000,000
4	zh-Hant	Chinese	2,000,000
5	fil	Filipino	2,000,000

Table 1.2: US, Mexico & Canada (USMCA)

that's not

Olá Brasil!

RANK	CODE	LANGUAGE	POPULATION
1	es	Spanish (español)	353,000,000
2	pt	Portuguese (português)	193,000,000
3	en	English	47,000,000
4	qu	Quechua	11,000,000
5	gn	Guarani	6,000,000

Table 1.3: Latin America

that's a big number

RANK	CODE	LANGUAGE	POPULATION
1	hi	Hindi (हिन्दी)	544,000,000
2	en	English	402,000,000
3	ur	Urdu (ورا)	288,000,000
4	bn	Bangla (বাংলা)	267,000,000
5	pa-Arab	Punjabi (پنجابی)	163,000,000
6	te	Telugu (తెలుగు)	95,000,000
7	mr	Marathi (मराठी)	93,000,000
8	ta	Tamil (தமிழ்)	82,000,000
9	gu	Gujarati	60,000,000
10	kn	Kannada	49,000,000

Table 1.6: Indian subcontinent, including Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka

very important in
specific regions

RANK	CODE	LANGUAGE	POPULATION
1	id	Indonesian (Indonesia)	171,000,000
2	en	English	101,000,000
3	jv	Javanese (Jawa)	91,000,000
4	vi	Vietnamese (Tiếng Việt)	85,000,000
5	fil	Filipino	66,000,000
6	th	Thai	55,000,000
7	my	Burmese	36,000,000
8	ms	Malay	35,000,000
9	es	Spanish (español)	34,000,000
10	su	Sundanese	32,000,000

Table 1.5: South-East Asia

RANK	CODE	LANGUAGE	POPULATION
1	en	English	294,000,000
2	sw	Swahili (Kiswahili)	172,000,000
3	fr	French (français)	117,000,000
4	pcm	Nigerian Pidgin	45,000,000
5	ha	Hausa	37,000,000
6	am	Amharic	36,000,000
7	om	Oromo	35,000,000
8	pt	Portuguese (português)	32,000,000
9	yo	Yoruba	29,000,000
10	ig	Igbo	28,000,000

Table 1.4: Sub-Saharan Africa

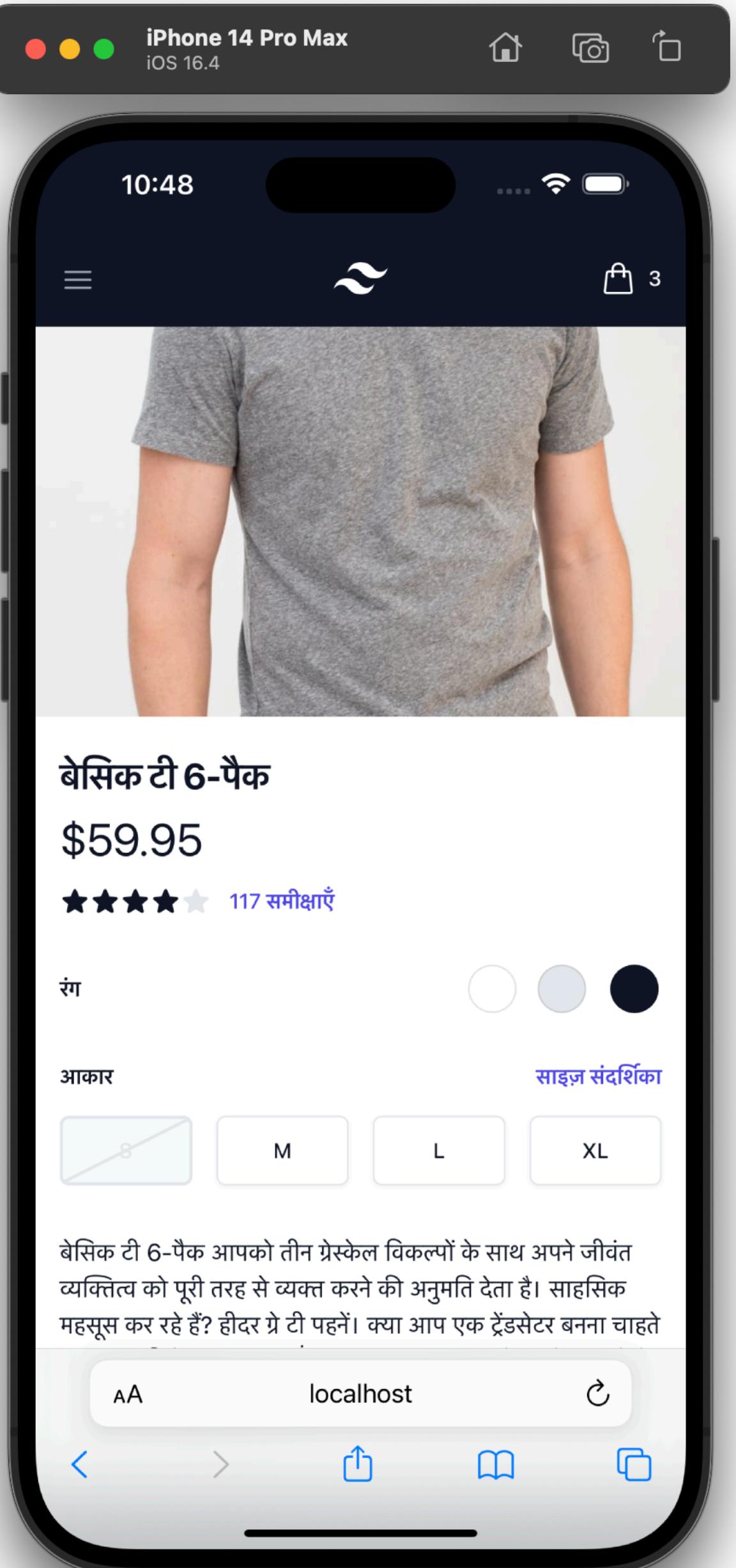
big corporate

established startup

Who is this for?

Startup looking to grow

3 things

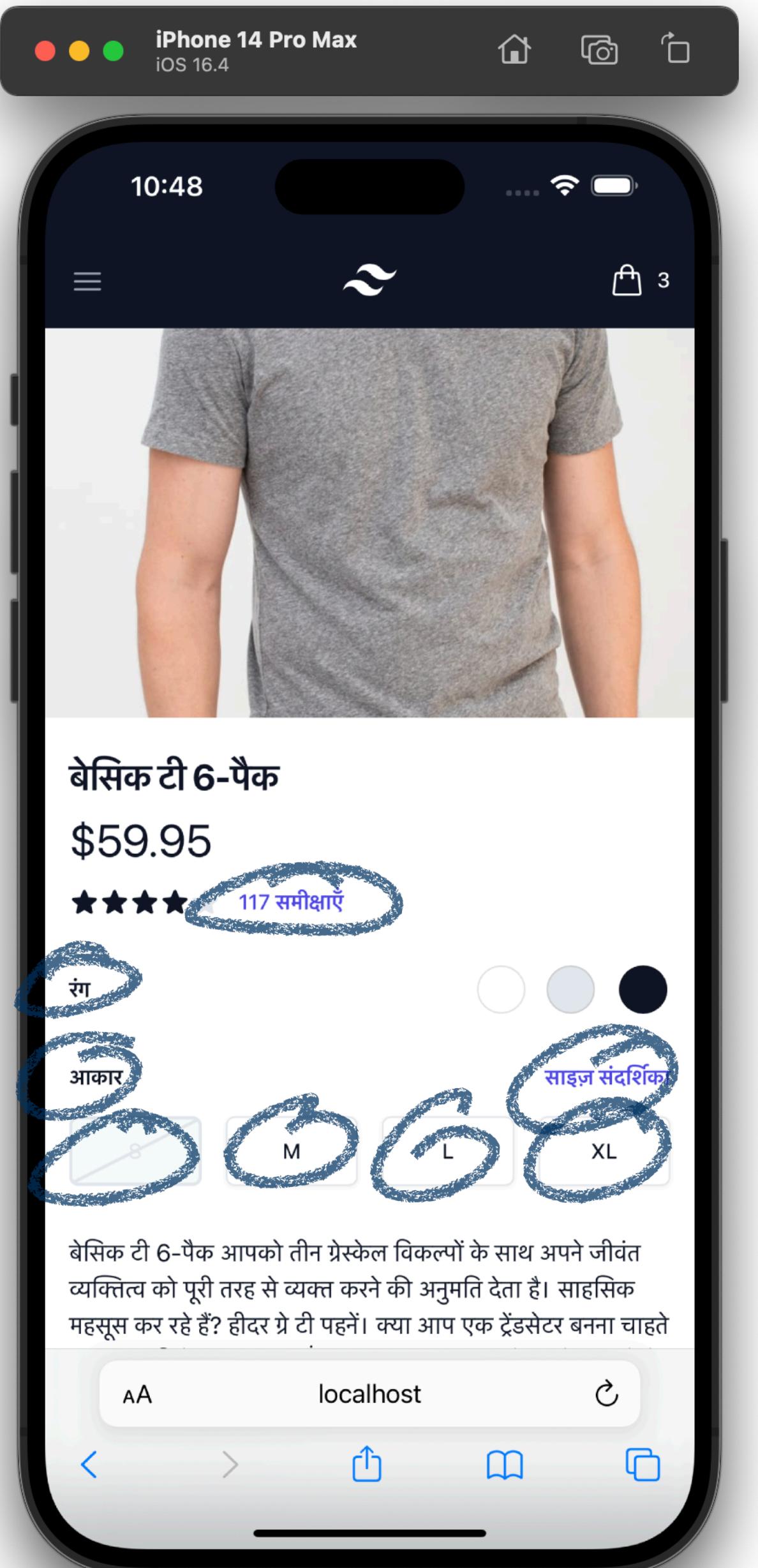


1. static text

2. variables

3. database
records

Step 1: static text



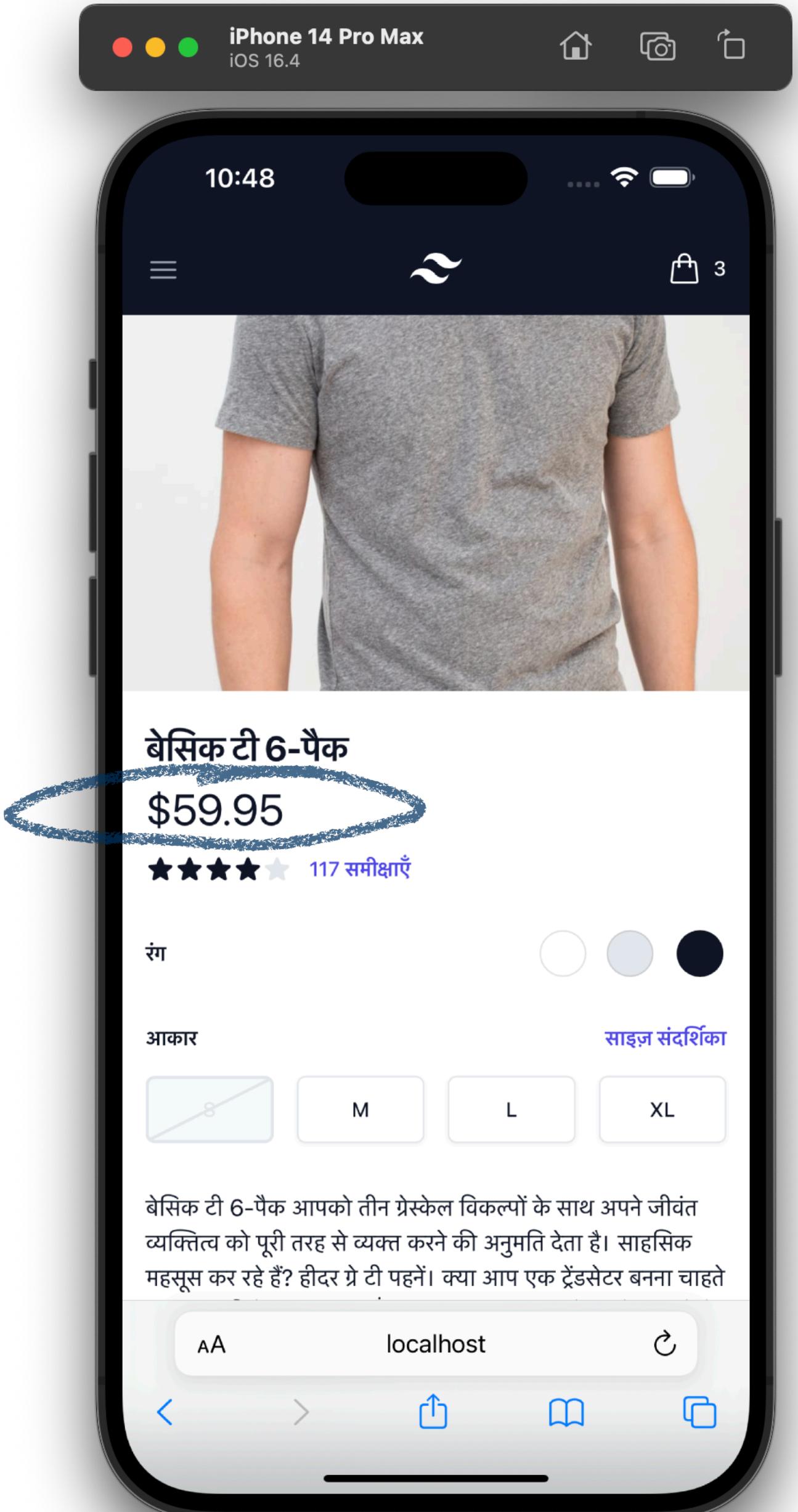
Static text
==
use gettext

Step 2: variables

numbers

dates

units of measure

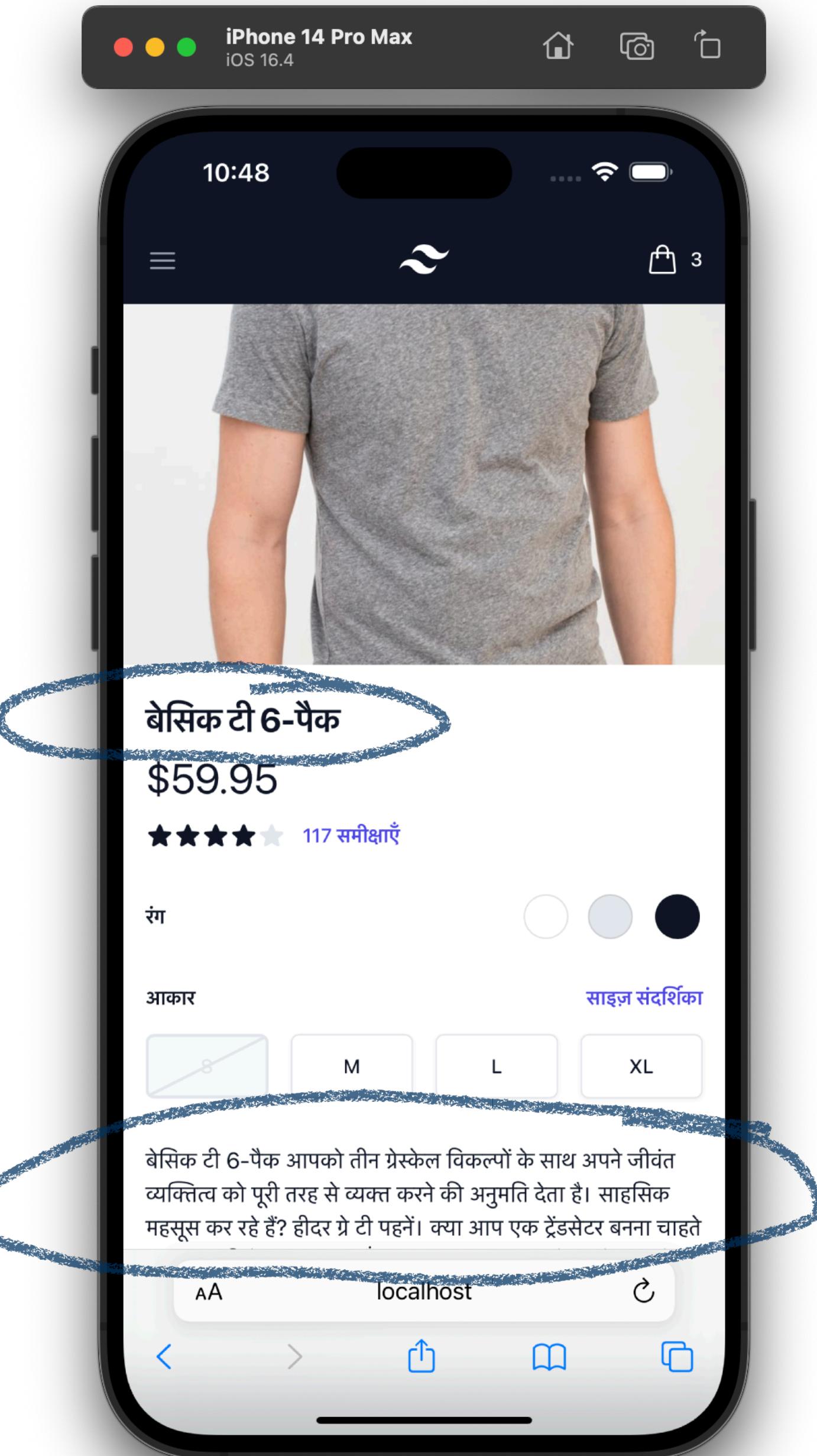


Variables

=

CLDR

Step 3: database records



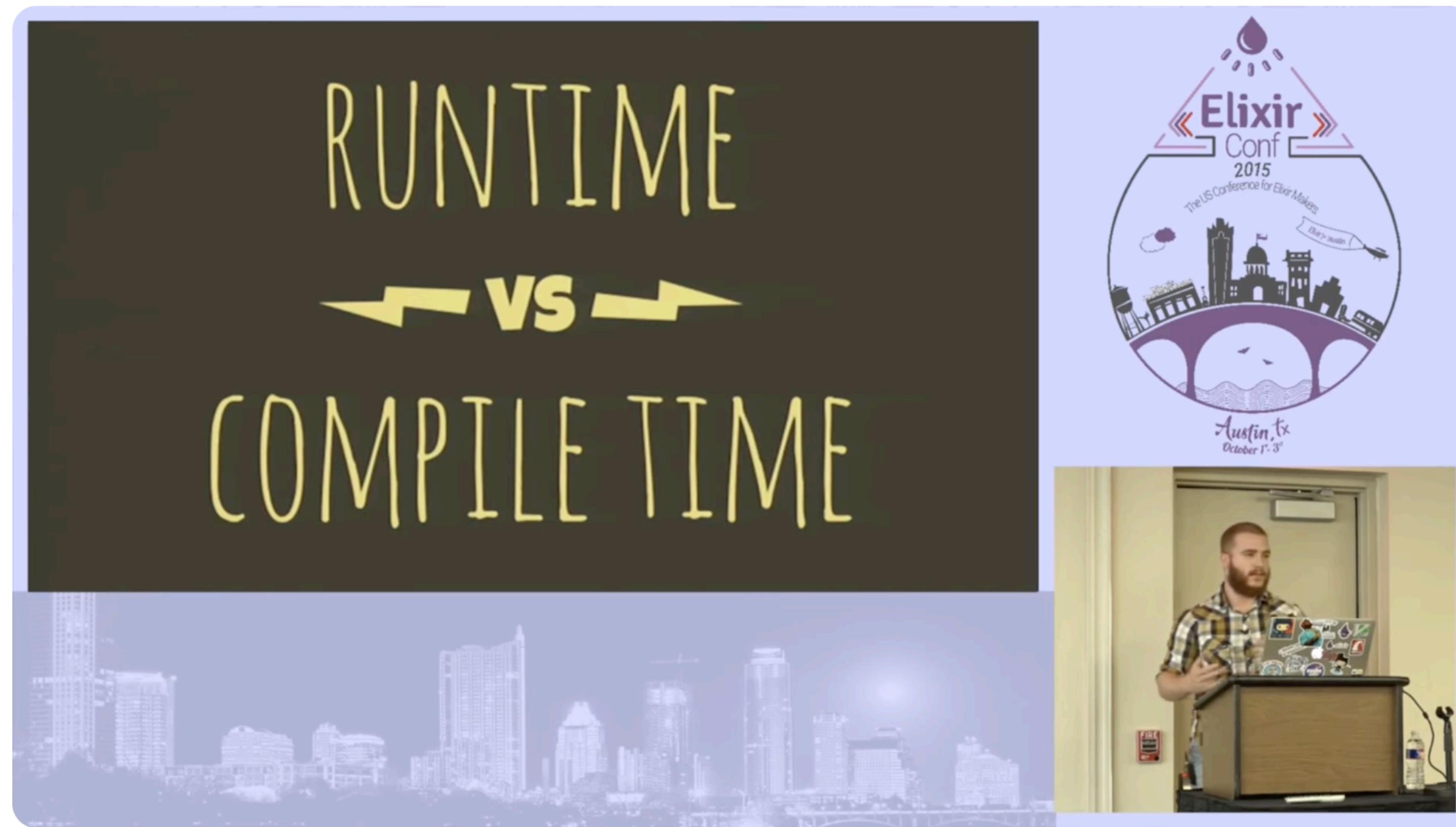
database
records

=

ex - cldr-trans

How does it work?

Step 1: gettext



ElixirConf 2015 - Gettext for Elixir - getting serious at compile time by Andrea Leopardi



Confreaks
41.8K subscribers

Subscribe

19



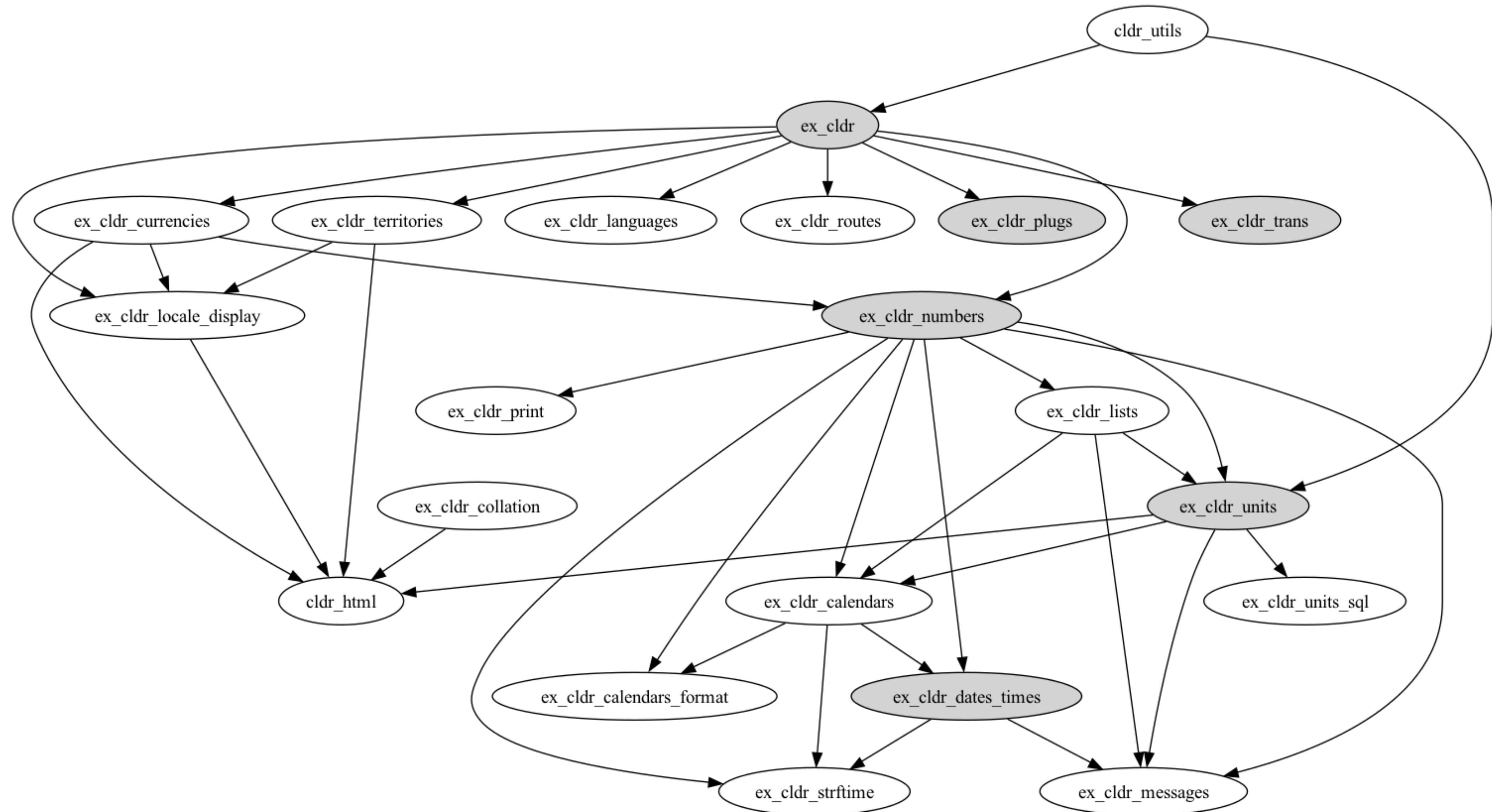
Share

...

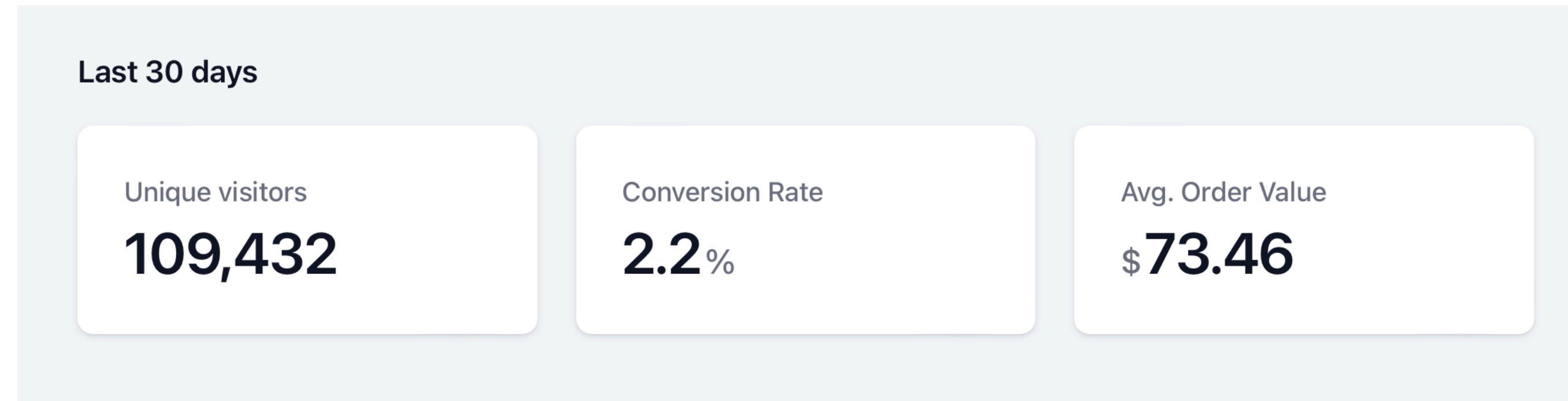
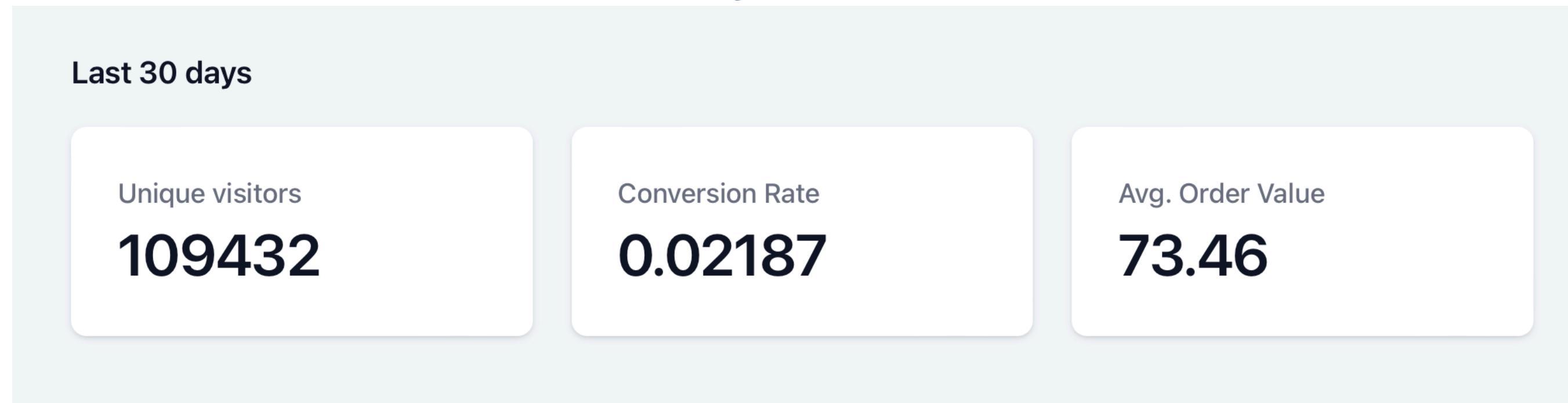
Step 2 & 3: ex_cldr

The Unicode Consortium

ex_cldr



this is terrible



much better UX ↗

Locate:

es

hi

id

últimos 30 días

Visitantes únicos

109.432

Tasa de conversión

2,2 %

Promedio Valor del pedido

73,46 US\$

पिछले 30 दिनों में

अद्वितीय आगंतुकों

1,09,432

रूपांतरण दर

2.2%

औसत ऑर्डर का मूल्य

\$ 73.46

30 hari terakhir

Pengunjung unik

109.432

Tingkat konversi

2,2%

Rata-rata Nilai Pesanan

US\$ 73,46

we didn't
have to
write any
extra
code!

livebook examples

ex_cldr_plugs

ex_cldr_routes

What else?

right-to-left

ex_cldr_units

Thank you!

Petrus Janse van Rensburg

petrus.jvrensburg@gmail.com





RANK	CODE	LANGUAGE	POPULATION
1	en	English	1,636,000,000
2	zh	Chinese (中文)	1,266,000,000
3	hi	Hindi (हिन्दी)	546,000,000
4	es	Spanish (español)	494,000,000
5	ar	Arabic (العربية)	352,000,000
6	ur	Urdu (اردو)	291,000,000
7	fr	French (français)	279,000,000
8	bn	Bangla (বাংলা)	267,000,000
9	pt	Portuguese (português)	237,000,000
10	ru	Russian (русский)	196,000,000

Table 1.1: CLDR language-population estimates, aggregated across all territories that are included in the dataset.