## Hey, Where is My Country?

How to Test Your App and Website for Geolocation and Geopolitical Challenges

Renato Losio, Funambol



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A Have one to sell? Sell it yourself

Postage: EUR 30.00 (approx. £26.20) Envío internacional estándar | See details Item location: Madrid, Madrid, Spain

Posts to: Europe

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Asia

#### Ikea forced to recall 'Sea of Japan' poster worldwide after Korean backlash



Why you can trust SCMP





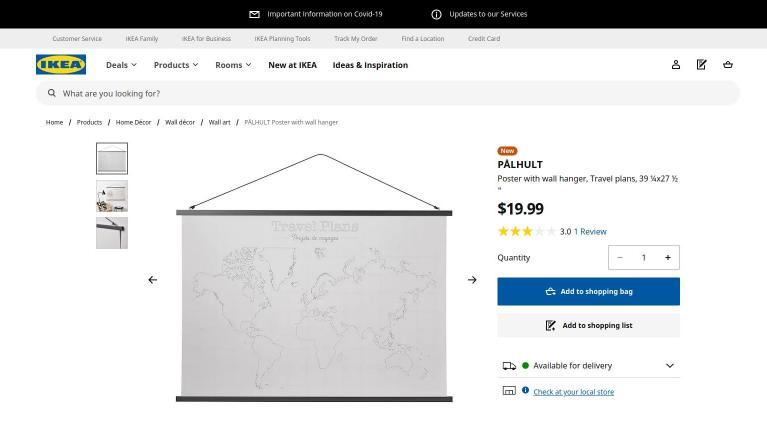












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#### Technology

#### **Apple changes Crimea map to meet** Russian demands

() 27 November 2019









Crimea crisis



Apple has complied with Russian demands to show the annexed Crimean peninsula as part of Russian territory on its apps.

Russian forces annexed Crimea from Ukraine in March 2014, drawing international condemnation.

The region, which has a Russian-speaking majority, is now shown as Russian territory on Apple Maps and its Weather app, when viewed from Russia.

But the apps do not show it as part of any country when viewed elsewhere.

#### ■ MTS RUS 🤝



US unemployment claims hit 33.3 million amid virus

() 2 hours ago

be modest'

① 7 May 2020

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#### Features



Will we ever shake hands again?



How Kraftwerk influenced five decades of music





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#### **Ukrainians condemn Apple's Crimea map** change

() 28 November 2019









be modest' ① 7 May 2020

US unemployment claims hit 33.3

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Ukrainian politicians and bloggers have added their voice to condemnation of Apple's decision to show Crimea as a Russian territory on its maps.

Ukrainian foreign minister Vadym Prystaiko tweeted: "Apple, please stick to hitech and entertainment. Global politics is not your strong side."

Russian ex-world chess champion Garry Kasparov added his voice, calling the decision "unacceptable appeasement".

Apple is yet to comment on the move.

The changes were announced by the State Duma, Russian parliament's lower house, in a statement, which described the former listing as an "inaccuracy".

"Crimea and Sevastopol now appear on Apple devices as Russian territory," the statement read

#### Features



Will we ever shake hands again?



How Kraftwerk influenced five decades of music





#### Where do you call home?

#### Berlin

- Berlin, Berlin, Germany
- Berlin, Germany
- Berlin, Maryland, United States
- Berlin, Connecticut, United States
- Berlin, New Jersey, United States



### **Renato Losio**

Berlin, Germany

#### **Our Community**

Welcome to RaceBase World!









## "Hong Kong people won't use it. It is pretty offensive here."

## a user in Hong Kong





## "Most of our users feel that Hong Kong is China."

## #nocountry

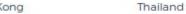
#### **Our Community**

Welcome to RaceBase World!











## so what?



The 81% of the developed world (a billion people) online is unlikely to increase its number by much. China, at 58% (800m people) has more room for growth. But internet users elsewhere, who already handily outnumber those in the developed world and China put together, make up only 39% of their countries' populations. Those are the countries where most of the next billion will come from, and the billion after that, and the billion after that.

The Economist, 2019

# Google slammed for removing Palestine from its maps

August 4, 2016 at 9:41 am | Published In: International Organisations, Israel, Middle East, News, Palestine

**MEMO** 



#### TRENDING THIS WEEK Article Will Saudi Arabia become the sick man of the... Trump: Sudan must show commitment before sanctions are lifted US led coalition strikes Syrian regime convoy Egypt: 'Obstacles' threaten agreement over Ethiopia Sanders: US complicit in Israel's occupation

LATEST NEWS

#### **Forbes**

**4. Israel missing its capital.** As Haaretz reports, Apple Maps -- unlike all the other mapping programs out there -- does not show Jerusalem as the capital of Israel -- moreover, it does not affiliate Jerusalem with a country. Let's hope this Apple Map epic fail does not set off another Middle East conflagration.

#### The Telegraph

Tuesday 05 June 2018



HOME » NEWS » WORLD NEWS » CENTRAL AMERICA AND THE CARIBBEAN » NICARAGUA

#### Google maps error sparks invasion of Costa Rica by Nicaragua

Nicaragua has used an error on Google's internet maps system to justify an invasion of Costa Rica.



Nicaraguan troops planted a flag on Costa Rica's Calero Island Photo: REUTERS

By Jon Swaine in New York 9:00PM GMT 08 Nov 2010

Nicaraguan troops last week crossed the San Juan river, which divides the two countries near the Caribbean coast, and planted a flag on Costa

#### Nicaragua

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#### In Nicaragua



Daniel Ortega, President of Nicaragua

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Large rat climbs on sleeping commuter



Disabled greatgrandfather denied stairlift and forced to crawl



Elderly wombat rescued after being attacked



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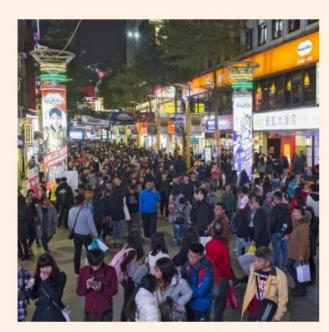
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## Multinationals face nationalist ire of China consumers





News and analysis from Financial Times reporters around the world. FT News is produced by Fiona Symon.



reprimanded a string of foreign corporations, including Qantas, Zara and Marriott, for labelling Tibet and Taiwan as independent countries, in online drop-down menus."

"Chinese regulators have publicly

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### China shuts Marriott's website over Tibet and Taiwan error

① 12 January 2018 f y ⊗ ☑ < Share



China has shut down the Chinese websites of Marriott International for a week, after the firm listed Tibet and others as separate countries.

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#### Apple jams Facebook's webtracking tools

() 7 hours ago

#### Starbucks boss leaves firm after 36 years

() 6 hours ago

#### **Features**



If Robert Kennedy had not been killed...

### Hong Kong protests: Brand 'witch hunt' takes over Chinese internet

By Manya Koetse China social trend & online media watcher

(1) 15 August 2019













As the protests intensify in Hong Kong, international luxury brands are getting caught in the crossfire.

Global brands such as Versace, Coach, Calvin Klein, Givenchy, ASICS, and Swarovski have all become tied up in controversy on the mainland this week for listing Hong Kong, Macau, and Taiwan as a separate countries or regions - not part

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UN calls for end to Iraq protest violence

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Hong Kong transport system partially reopens

() 34 minutes ago

US denies North Korean nuclear talks failed

( 9 hours ago

#### Features



The band born on a rubbish dump



#### Sub

#### **The Americas**

The Economist

Oct 10th 2020 edition >

Alberto of the Antarctic

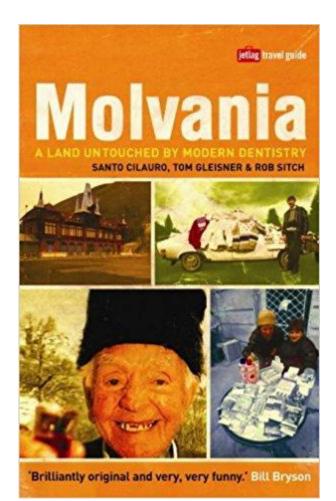
## Argentina doubles in size, or so it claims

The government takes advantage of a UN ruling to extend the country's territorial waters



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# Who holds the responsibility? Developers? QA?



# quick fix?

## #reversegeocoding



Info

chris-barbalisblx15C7AnNg-unsplash(1).jpg

1.5 MB Size

Today Date taken

Place taken Milan, Lombardy, Italy





Size

File Name hk.jpg

897.5 KB

Today Date taken

Shenzhen, Guangdong, China Place taken



# Where and when?

disputed territory & partially recognized states

Sign-up

Address & phone number

Maps

Geolocation

Image recognition services

Voice interaction

# #label

















#### Take it all with you

Switch between devices, and pick up wherever you left off.



Choose your usernam	ie	NAME OF THE OWNER.	
		@gmail	.com
Create a password			
Confirm your passwo	r <mark>d</mark>		
Birthday			
Month 💠	Day	Year	
Gender			
I am			<b>\$</b>
Mobile phone			
+49			
Your current email ad	ldress		
Location			
Germany (Deutsc	hland)		
ستان) Afghanistan			
Åland Islands (Åla	and)		

### Drop-down list

Just a label?

"Your country or territory of residence"

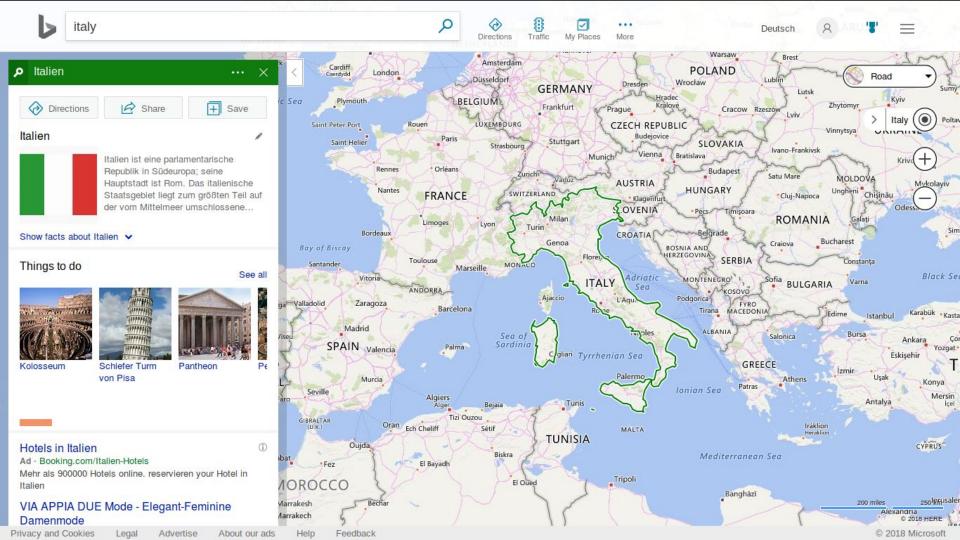
Location or country?

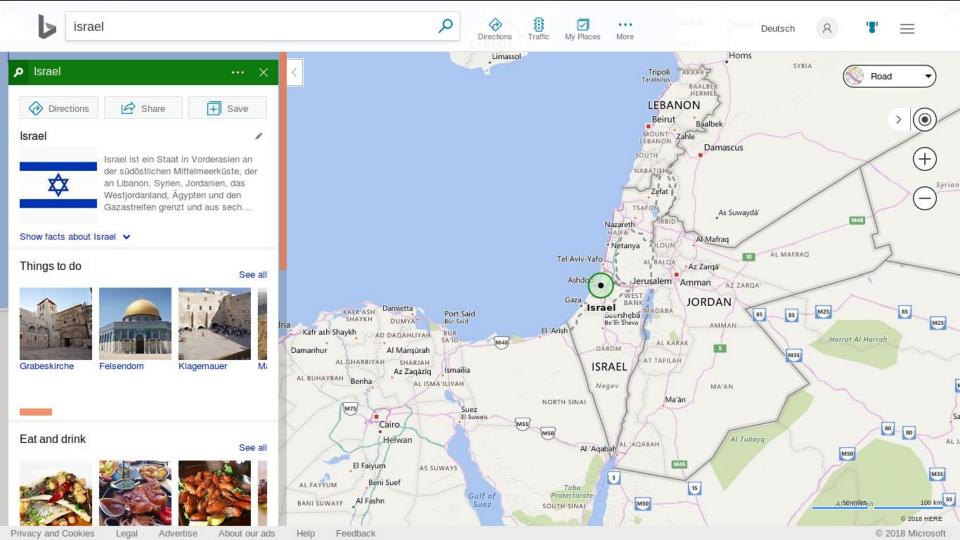
ISO 3166-1

Missing entries

Localization

## #maps





#### Israel

Russia

Ukraine

Albania

Bhutan

India

Google Maps has no boundaries

Cyprus

China

South Sudan

Serbia





**Google Maps is Different in Other Countries** 

## #autosuggestion



Palestine

English

## Jerusalem

Judea and Samaria

West Bank

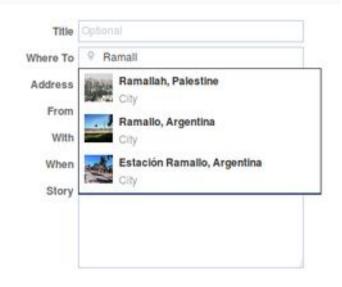
East Jerusalem

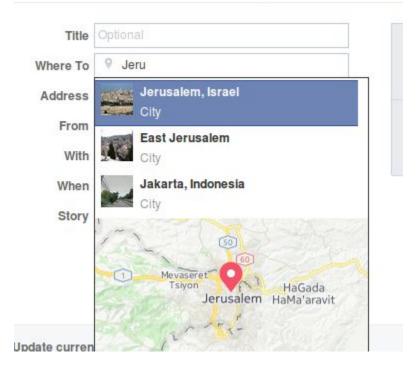
Arabic

Hebrew

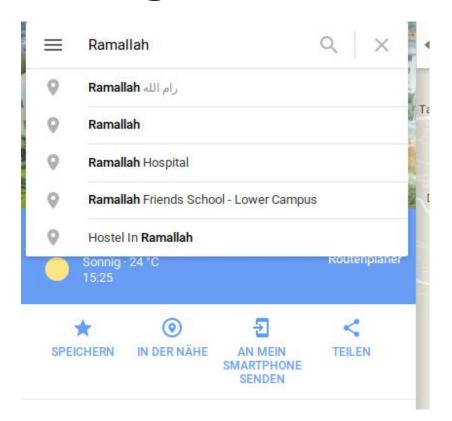
Israel

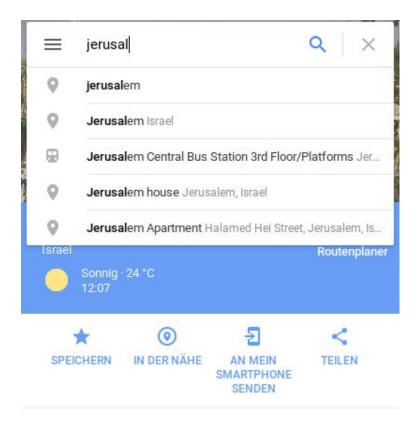
### Facebook

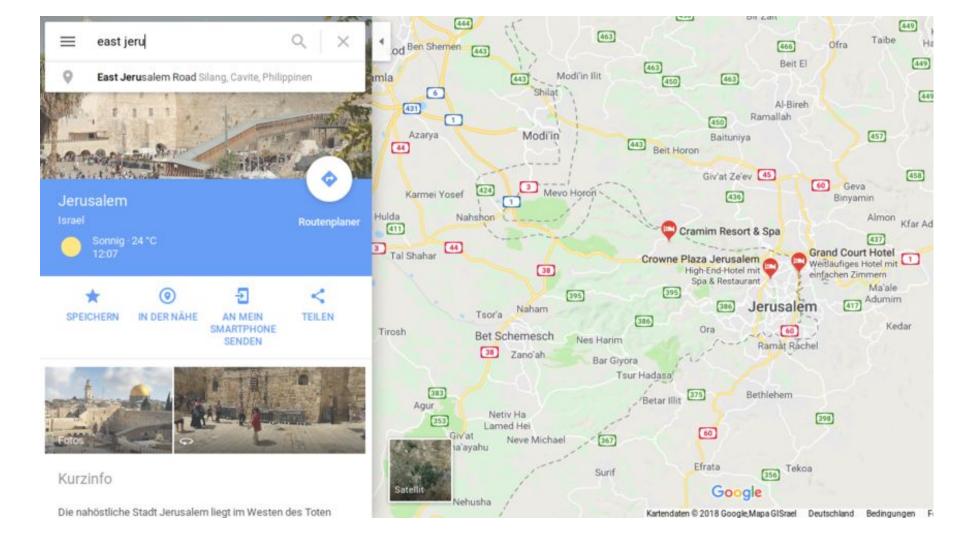




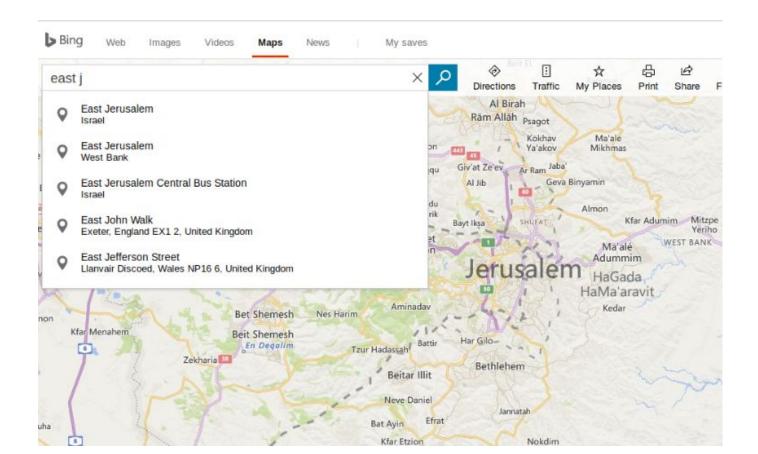
### Google

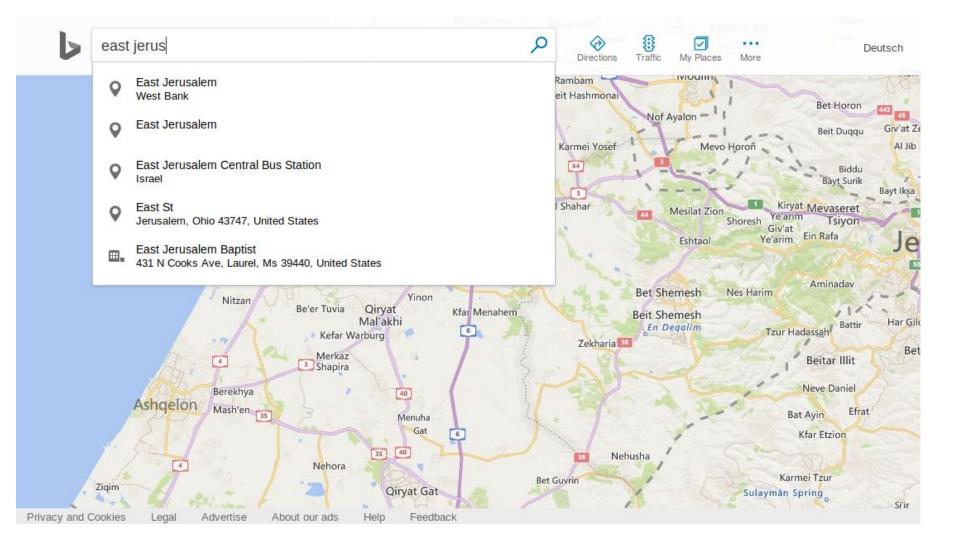






### Microsoft Bing





## #voice

# Alexa, what is the capital of Israel?

The capital of Israel is

Jerusalem

### recognized by the

Israel has designated

Jerusalem as its capital but

this has not been formally

international community

## Alexa, where is Crimea?

Crimea is a major land mass on the northern coast of the Black Sea. In 2014, following a referendum on reunification with Russia, the Russian Federation officially annexed the peninsula. Ukraine does not recognise the annexation and, backed by most of the international community, continues to assert its right over the peninsula.

## Alexa, is Kosovo a country?

According to Wikipedia,

Kosovo is a landlocked

territory in the central Balkan

Peninsula.

### Solutions?

How to minimize the impact

Internationalization and localization

Hide / remove information

Forgiving labels

Do as the big players do



Sign in

Get started

HOME AUTOMOTIVE DATA VISUALIZATION AUGMENTED REALITY LOGISTICS APPS | MAPBOX.COM

## Dynamically change disputed national borders

Worldviews launches for all users







## Tools and references

How to test your application

GeoNames.org

**VPN** 

Photo Exif Editor

Google stats

Test cases and comparison

#### avoid complaints

#### training of engineering team



awareness

caring about all users

think about the implications of what you are building and

testing

### saorico.com

All the pictures are from the author or Unsplash.

