

# Net Neutrality in India

By Gurman Bhatia

# Net Neutrality in India

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graph TD; A[Net Neutrality in India] --> B[Zero Rating]; A --> C[WhatsApp/FB only data packs]; A --> D[Possibility of Surcharge for OTT services]; A --> E[Who is lobbying? What is the lobbying for?]; B --> F[internet.org]; B --> G[Airtel Zero]; B --> H[Wikipedia Zero (Uninor)];
```

Zero Rating

WhatsApp/FB  
only data packs

Possibility of  
Surcharge for  
OTT services

Who is lobbying?  
What is the  
lobbying for?

internet.  
org

Airtel  
Zero

Wikipedia  
Zero  
(Uninor)

# Spreadsheets!

	A	B	C	D	E	F	G	H	I	J	K
1	STATE	OPERATOR	DATA BEN-Y	VALIDITY	COST	ADD INFO	Bits/day	cost/bit	data/day/rupee		
412	UP East	Airtel	525	18	126	I	29.1666667	0.24	0.23148148		
419	Bihar and Jha	Idea	200	30	29	WA	6.66666667	0.145	0.22988506		
430	UP west / Ut	Airtel	100	7	67	I	14.2857143	0.67	0.21321962		
431	UP west / Ut	Airtel	200	10	95	I	20	0.475	0.21052632		
435	Bihar and Jha	Airtel	200	10	97	I	20	0.485	0.20618557		
463	Haryana	Airtel	100	7	71	I	14.2857143	0.71	0.20120724		
464	Himachal Pra	Airtel	100	7	71	I	14.2857143	0.71	0.20120724		
471	Bihar and Jha	Airtel	100	7	72	I	14.2857143	0.72	0.1984127		
472	Punjab	Airtel	100	7	73	I	14.2857143	0.73	0.19569472		
473	Delhi NCR	Idea	200	28	37	WA	7.14285714	0.185	0.19305019		
474	Rajasthan	Airtel	200	28	37	FB	7.14285714	0.185	0.19305019		
480	Mumbai	Airtel	600	21	154	I	28.5714286	0.25666667	0.18552876		
481	Karnataka	Idea	250	30	46	WA	8.33333333	0.184	0.18115942		
482	Kerala	Idea	350	20	97	I	17.5	0.27714286	0.18041237		
484	maharashtra	Idea	200	30	38	WA	6.66666667	0.19	0.1754386		
485	North East	Airtel	400	30	77	WA,FB	13.3333333	0.1925	0.17316017		
486	Andhra Prad	Idea	200	30	39	WA	6.66666667	0.195	0.17094017		
487	Delhi NCR	Idea	200	30	39	WA	6.66666667	0.195	0.17094017		
488	Haryana	Idea	200	30	39	WA	6.66666667	0.195	0.17094017		
489	Punjab	Idea	200	30	39	I	6.66666667	0.195	0.17094017		
490	Tamil Nadu	Idea	200	30	39	WA	6.66666667	0.195	0.17094017		
491	UP East	Idea	200	30	39	I	6.66666667	0.195	0.17094017		
492	UP west / Ut	Idea	200	30	39	WA	6.66666667	0.195	0.17094017		
493	Orissa	Airtel	200	28	43	WA	7.14285714	0.215	0.16611296		
494	Gujarat	Airtel	200	30	41	WA	6.66666667	0.205	0.16260163		
495	Rajasthan	Idea	200	30	43	WA	6.66666667	0.215	0.15503876		
496	Delhi NCR	Idea	250	30	54	WA	8.33333333	0.216	0.15432099		
497	Orissa	Airtel	525	28	123	I	18.75	0.23428571	0.15243902		
498	Jammu and K	Airtel	525	28	124	I	18.75	0.23619048	0.15120968		
499	Assam	Airtel	525	28	125	I	18.75	0.23809524	0.15		
500	North East	Airtel	525	28	125	I	18.75	0.23809524	0.15		
501	Karnataka	Idea	200	30	46	WA	6.66666667	0.23	0.14492754		
502	UP East	Airtel	525	28	148	I	18.75	0.28190476	0.12668919		
503	Kolkata	Airtel	525	28	149	I	18.75	0.28380952	0.12583893		
504	maharashtra	Airtel	525	28	153	I	18.75	0.29142857	0.12254902		
505	MP and chha	Airtel	525	28	155	I	18.75	0.2952381	0.12096774		
506	Rajasthan	Airtel	525	28	155	I	18.75	0.2952381	0.12096774		
507	West Bengal	Airtel	525	28	155	I	18.75	0.2952381	0.12096774		
508	UP west / Ut	Reliance	100	30	71	I	3.33333333	0.71	0.04694836		
509											
510											
511											

Choose your telecom circle

Andhra Pradesh

Choose a telecom provider



RELIANCE

What is your monthly budget for mobile Internet?

Rs. 50

In a selective universe

5,250,000

WhatsApp messages

In a net neutral world

25,000

hours of YouTube video

What more do I get?

Choose your telecom circle

Andhra Pradesh

Choose a telecom provider



RELIANCE

What is your monthly budget for mobile Internet?

Rs. 50

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WhatsApp messages

In a net neutral world

25,000

hours of YouTube video

What more do I get?

In a selective universe

5,250,000

WhatsApp messages

Sorry.  
That's all you get. It is a selective  
world after all.

In a net neutral world

85,000

hours of Gaana/Saavn music

What more do I get?

More user control?

Where are the choices?

Choose your telecom circle

Andhra Pradesh

Choose a telecom provider



RELIANCE

What is your monthly budget for mobile Internet?

Rs. 50

### In a selective universe

5,250,000

WhatsApp messages

Sorry.  
That is all your get. It is a  
selective world afterall.

### In a net neutral world

On a scale of 1 to 5 rank  
your usage.

25,000

hours of YouTube/Vimeo video



85,000

hours of Gaana/Saavn music



150,000

email conversations



80,000

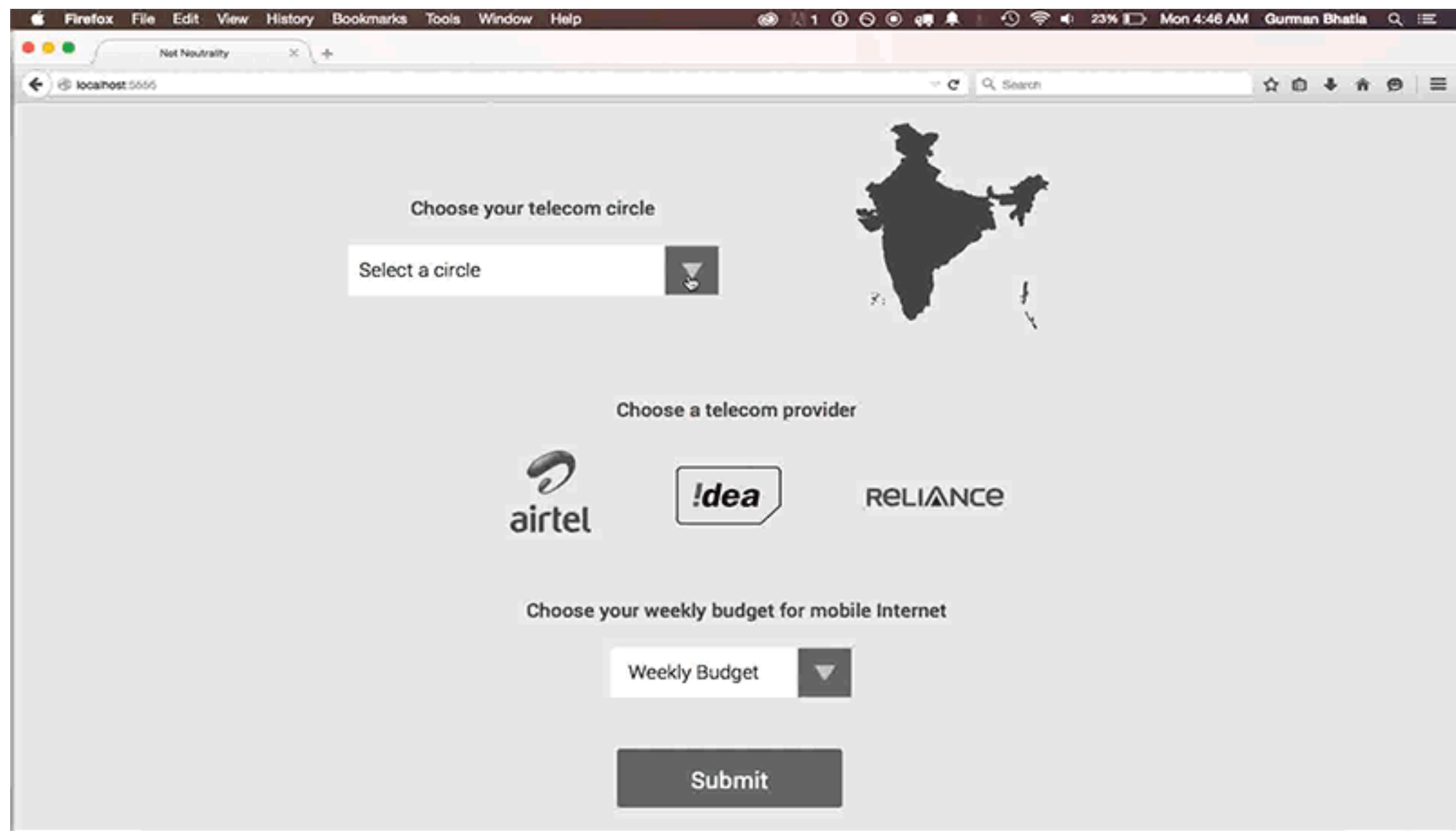
reddit threads



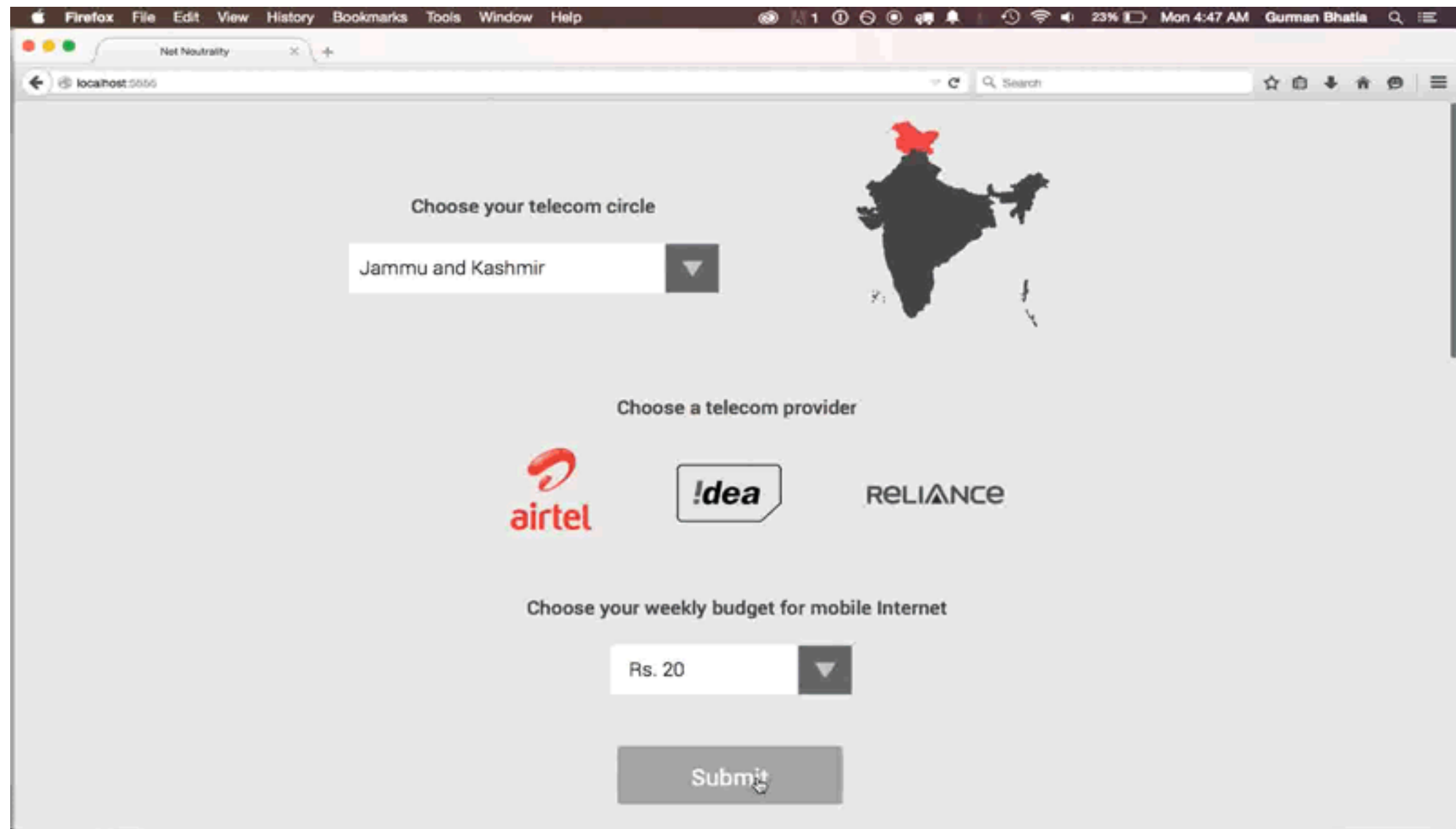
...and you still have data for

5,000

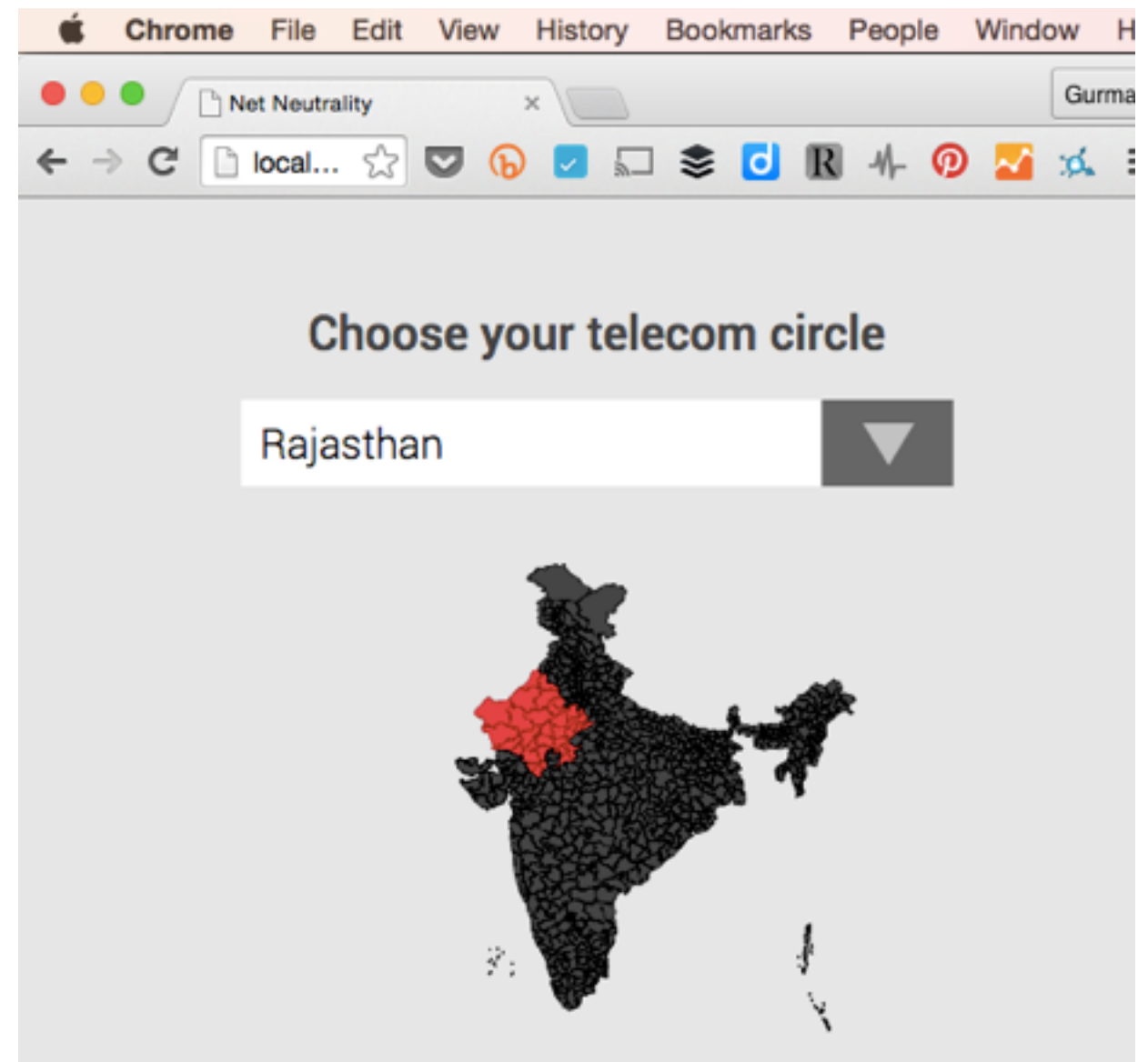
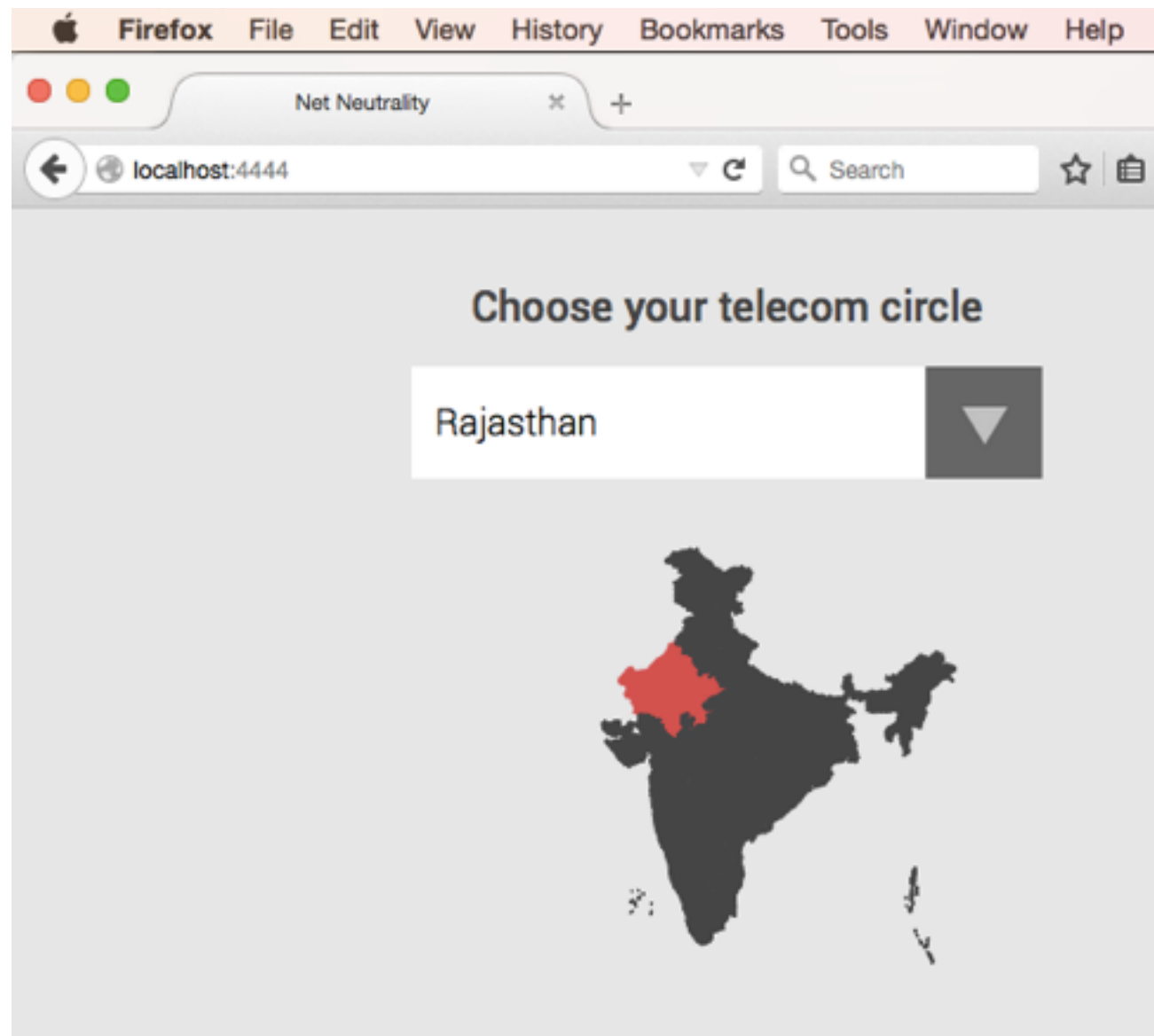
VOIP calls







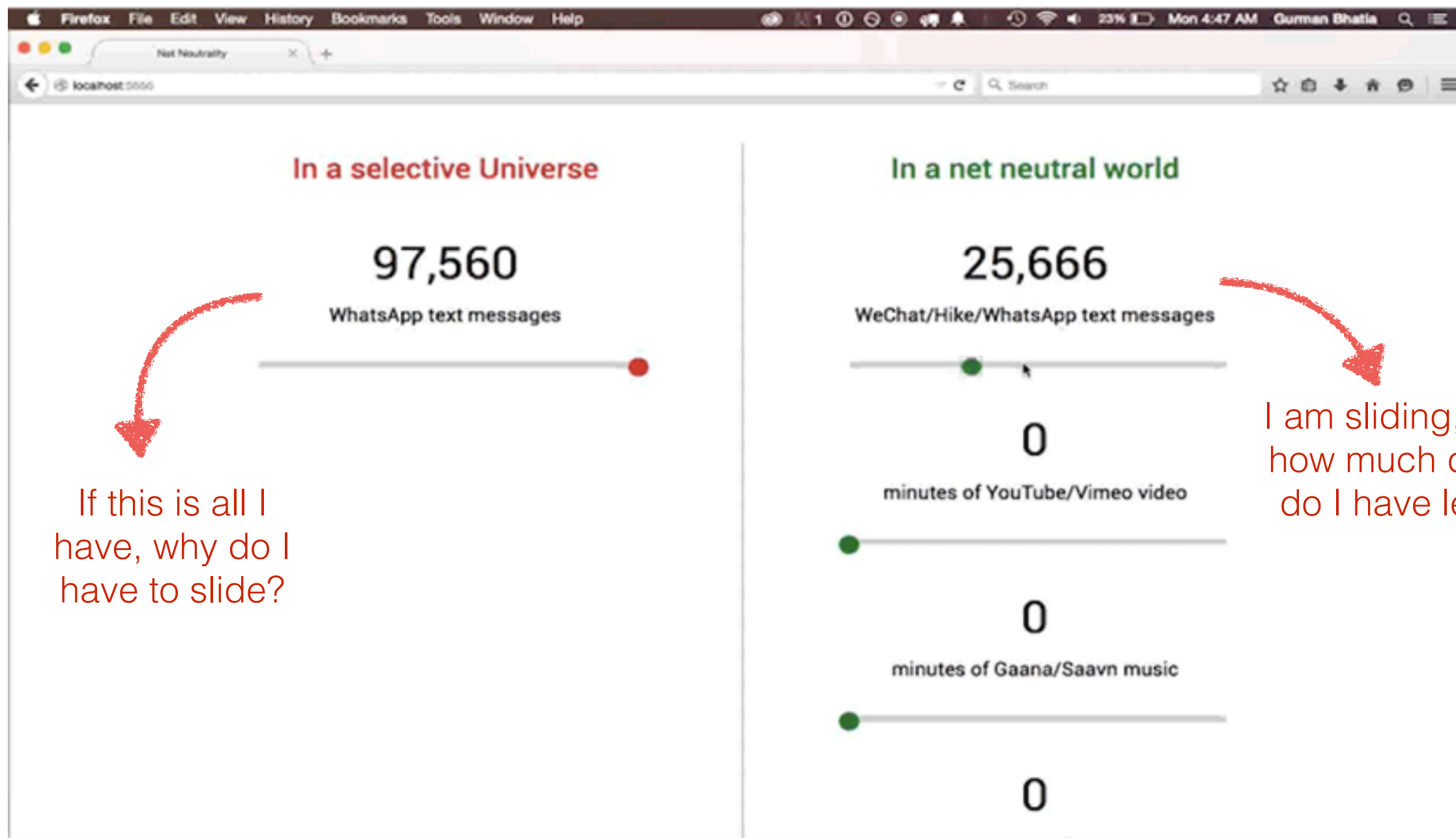
# Why is cross-browser support so confusing?



Need intro. Should add two lines? Or not?

The screenshot shows a web browser window with the following content:

- Header:** Firefox menu bar and address bar showing "localhost:5555".
- Form Section 1:** "Choose your telecom circle" with a dropdown menu labeled "Select a circle".
- Form Section 2:** "Choose a telecom provider" with three buttons: "airtel", "!dea", and "RELIANCE".
- Form Section 3:** "Choose your weekly budget for mobile Internet" with a dropdown menu labeled "Weekly Budget".
- Submit Button:** A large "Submit" button at the bottom.
- Map:** A silhouette map of India is positioned to the right of the first form section. A red arrow points from the text "Should map be in the center?" to the map.



Should we add a  
progress bar?

# Perhaps.

## In a selective Universe

All of your data is available

## In a net neutral world

49% data used

36,292

WeChat/Hike/WhatsApp text messages



0

minutes of YouTube/Vimeo video



0

minutes of Gaana/Saavn music

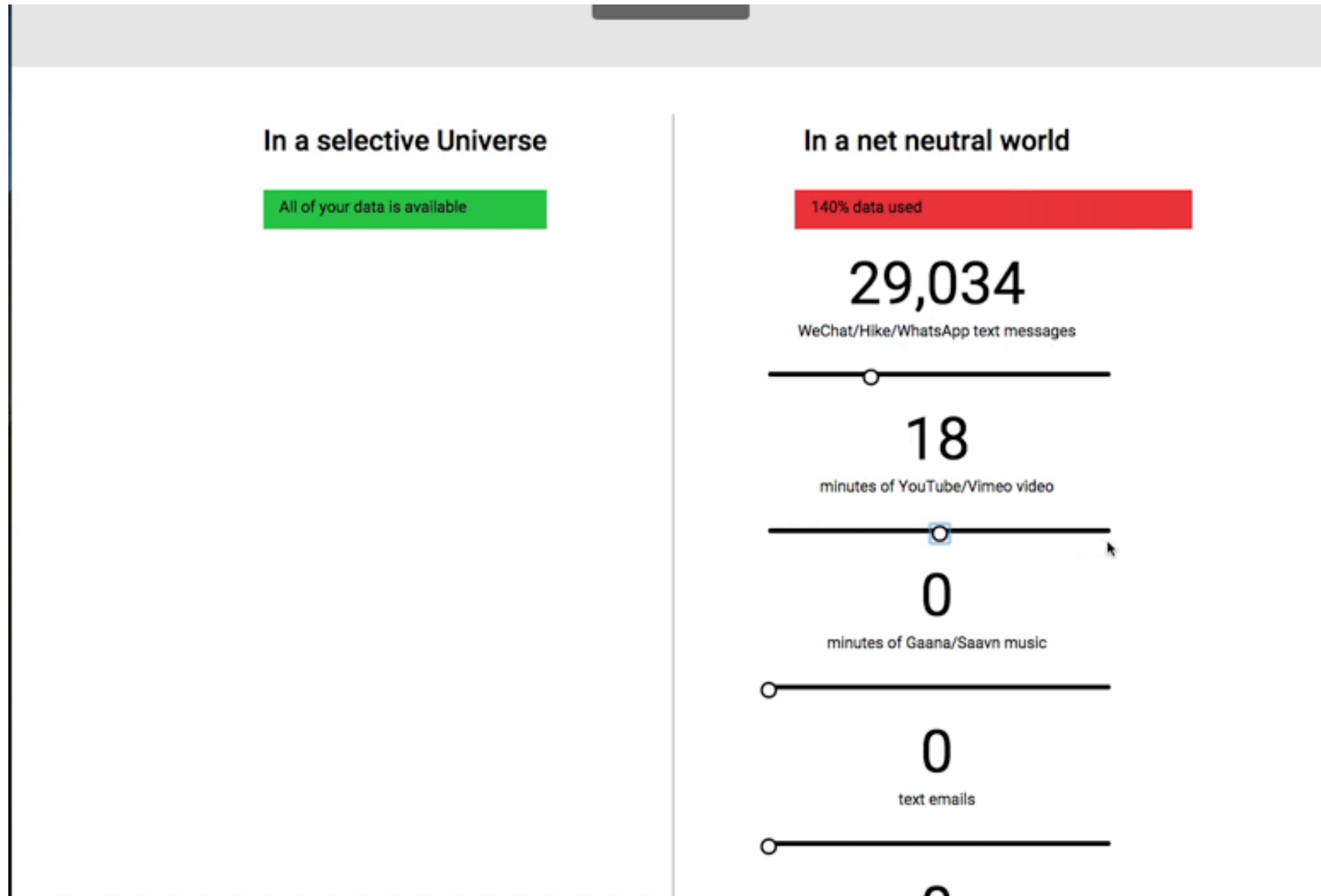


0

text emails

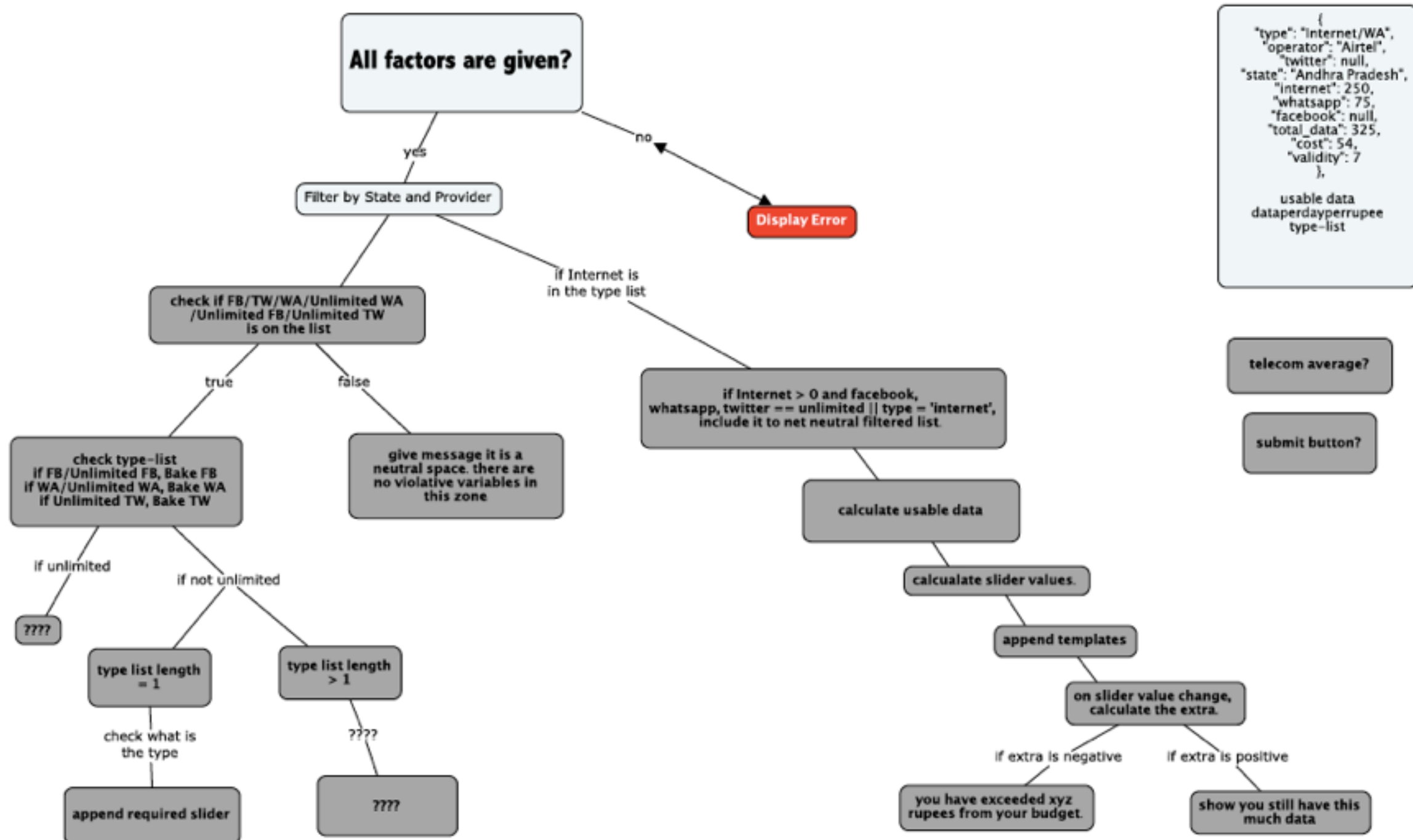


# But JS gives you this.



Too much data+code to handle.  
Need a map for my code.





It all worked out in the end.  
(maybe)

One thing that didn't make the cut.

