

The Secret Life of Forms

#SecretForms

Ivan Wilson
Innate

CSS Dev Conference
San Antonio, Texas
October 17-19, 2016



Innate

<http://innateagency.com/>

Google

Map data ©2016 Google

Terms of Use

Report a map error



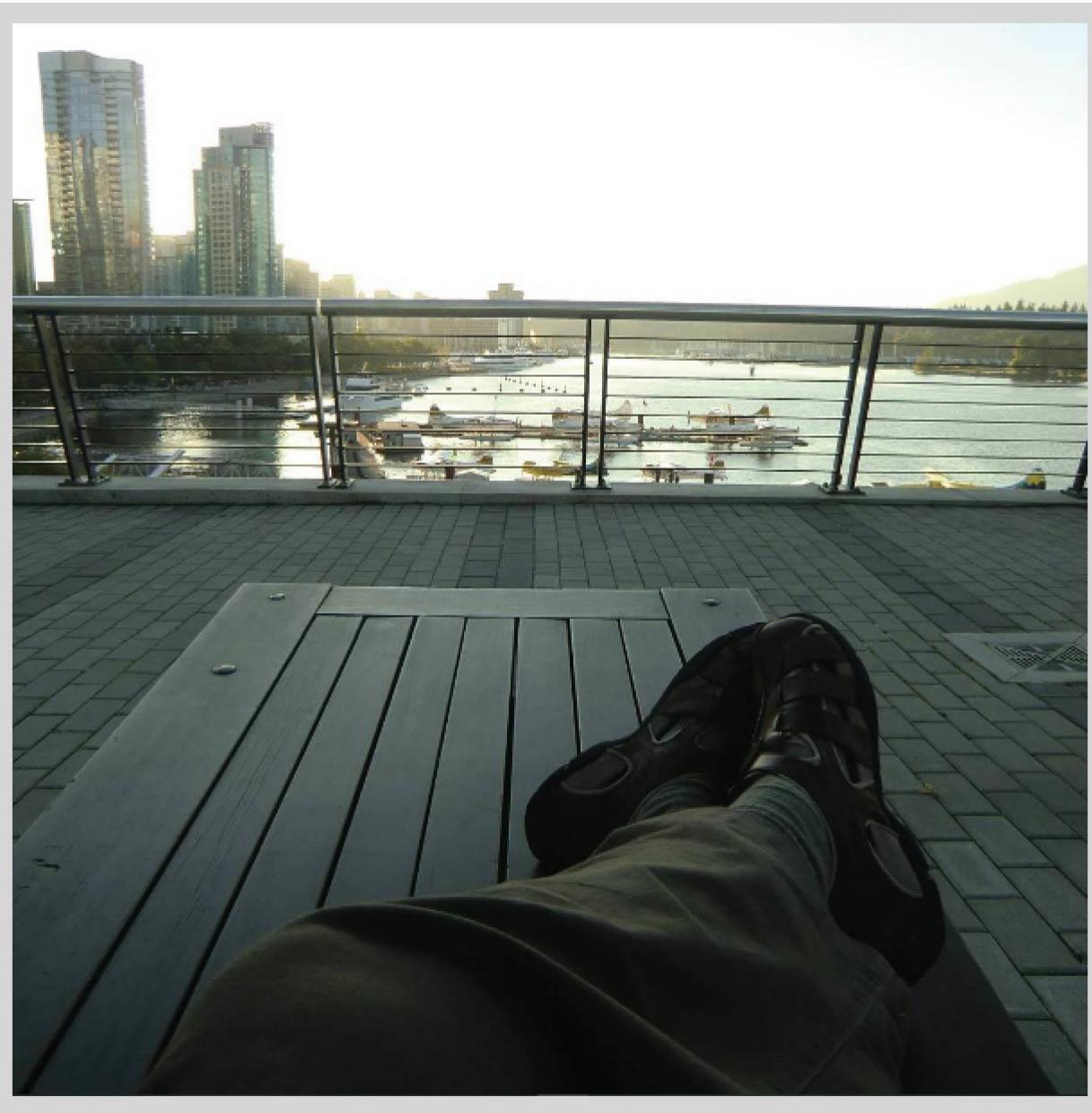
2006 - 2011



2011 - 2014



2014 -



Travel Insurance

Unlucky You



Your fancy new travel wallet was stolen



Your luggage, and all its embarrassing contents, were lost



Your flight is delayed by severe weather.



Your bus was hijacked by a crazed football hooligan

Unlucky You



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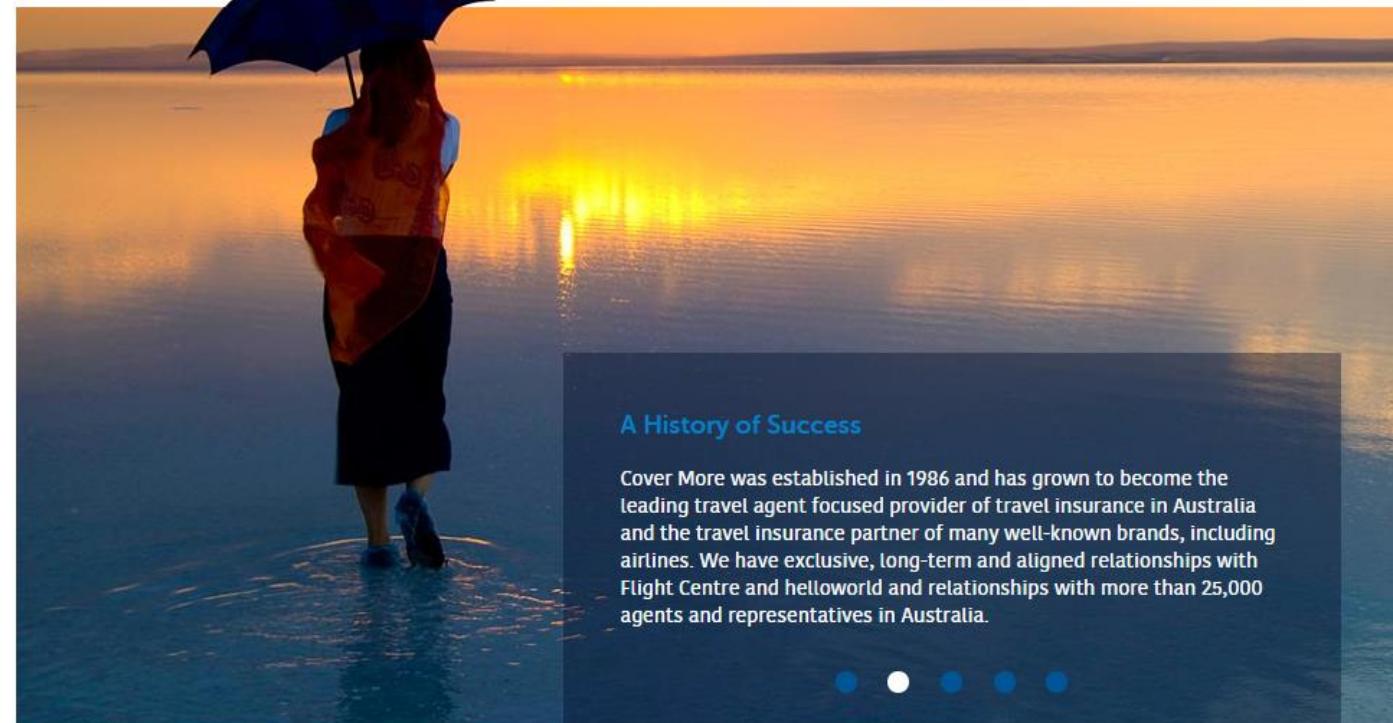


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A History of Success

Cover More was established in 1986 and has grown to become the leading travel agent focused provider of travel insurance in Australia and the travel insurance partner of many well-known brands, including airlines. We have exclusive, long-term and aligned relationships with Flight Centre and helloworld and relationships with more than 25,000 agents and representatives in Australia.



To visit one of our Cover-More Group websites click the logo below

Cover•More
AUSTRALIA

Cover•More
NEW ZEALAND

Cover•More
UNITED KINGDOM

Cover•More
CHINA

TrawellTag | **Cover•More**
INDIA

Cover•More
MALAYSIA

✓ Get a quote

✓ Plan Options

Guest Details

Payment

Travellers

Primary Traveller (Age 45)

Guest Details

Guest 1 of 2

Title First name

Select Title

First name

Surname:

Date of birth (Age 45)

State of Residence Telephone

Select

Telephone

Email address

Your insurance documents will be sent to this address.

Velocity Number

Traveller 1

Title

Select

First name

Surname

Date of birth (Age 45)

dd/mm/yyyy

State



Select

Telephone

Email address

Add cover for any Existing Medical Conditions

Does this traveller require cover for an existing medical condition or pregnancy?

Travel Insurance does not automatically cover all existing conditions.

Please note: Any traveller who has ever been diagnosed with a heart condition or a lung condition (not including Asthma if under 60 years) or any traveller with reduced immunity e.g. as a result of medical treatment or a medical condition will need to complete a medical assessment if they are travelling to the Americas or Africa for any length of time. Please select 'yes' to the second question below.

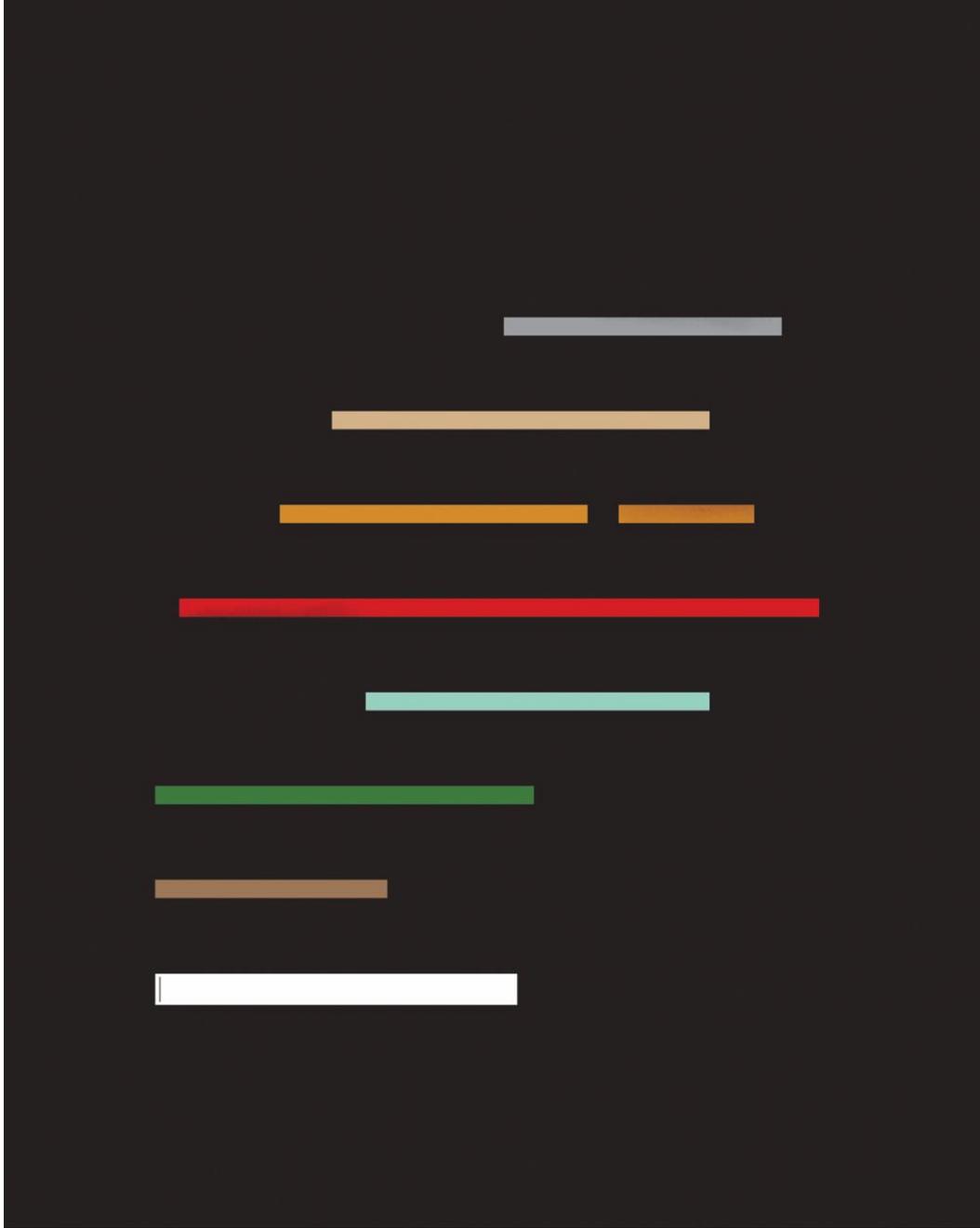
State

(onal)

ally cover all Existing Medical Conditions.

ever been diagnosed with a heart condition or a lung (der 60 years) or any traveller with reduced immunity e.g. medical condition will need to complete a medical e Americas or Africa for any length of time. Please select

y lung disease, including but not limited to Chronic



WEB FORM DESIGN

Filling in the Blanks

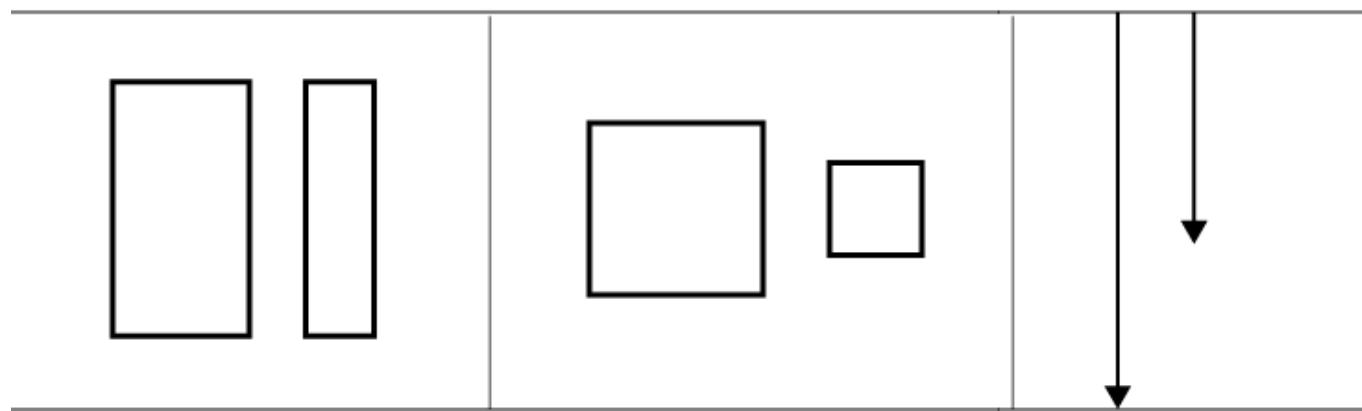
by LUKE WROBLEWSKI foreword by Jared Spool

 Rosenfeld

HTML

CSS

JS



Semantic
Layer

Presentation
Layer

Behavioral
Layer

HTML

What's

a

form?

A form is a series of instructions.

~~—A form is a series of instructions.—~~

A form is a process.

~~—A form is a series of instructions.~~

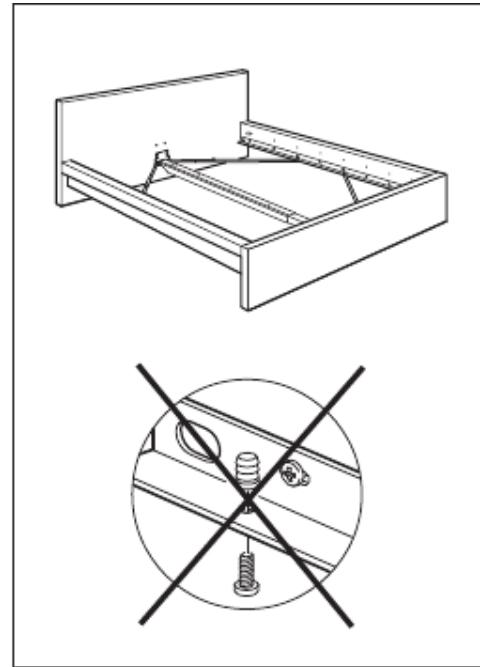
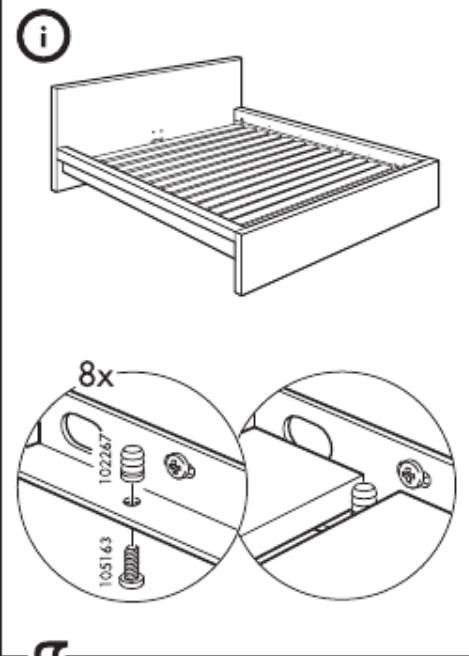
~~—A form is a process.~~

A form is a process that contains
a series of instructions.

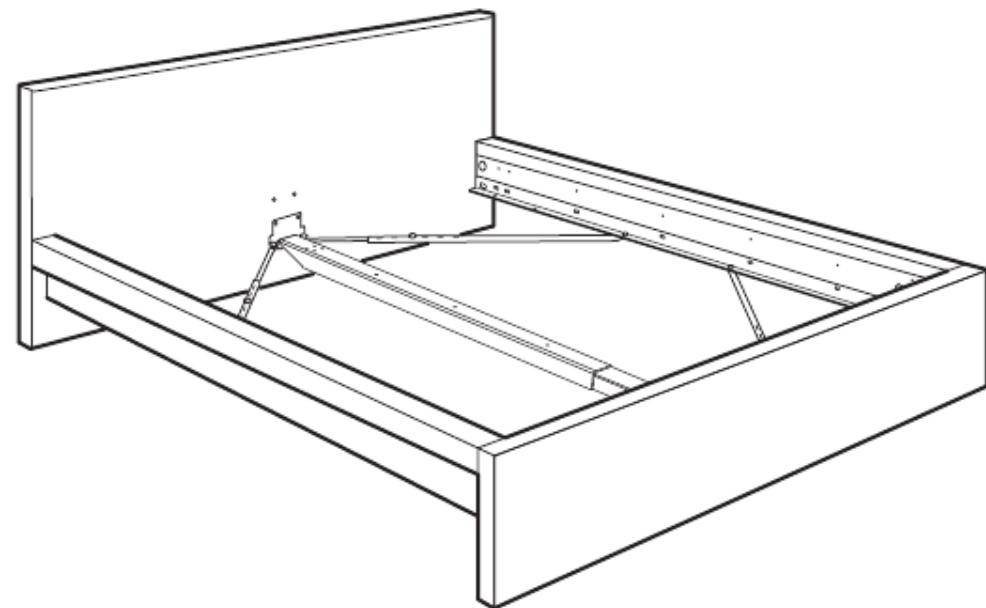
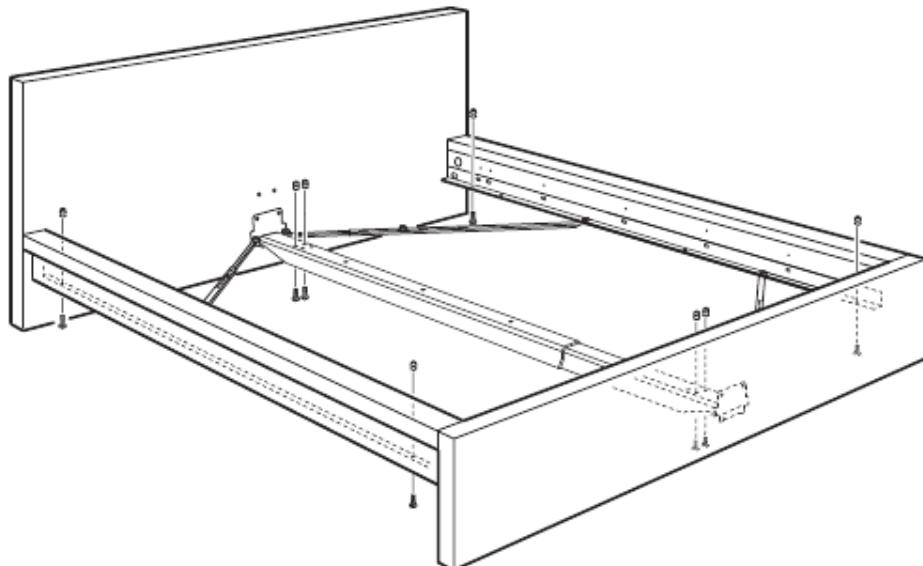
~~—A form is a series of instructions.~~

~~—A form is a process.~~

~~—A form is a process that contains
— a series of instructions.~~



10





1

The Right Tool for The Right Job

Photo – Space Lab, Vancouver, Canada (Clint Moroz)

<input autofocus>

<input>

 Submit Submit

<input required>

<input type=text>

<textarea></textarea>

<input type=password placeholder=password>

<input type=radio>

<input type=radio checked>

<input type=checkbox>

<input type=checkbox checked>

<select>

<option></option>

<option>Option 1</option>

</select>

 Option 1 ▾ Option 1 ▾

<select>

<optgroup label="Option group 1">

<option>Option 1</option>

<option>Option 2</option>

</optgroup>

<optgroup>

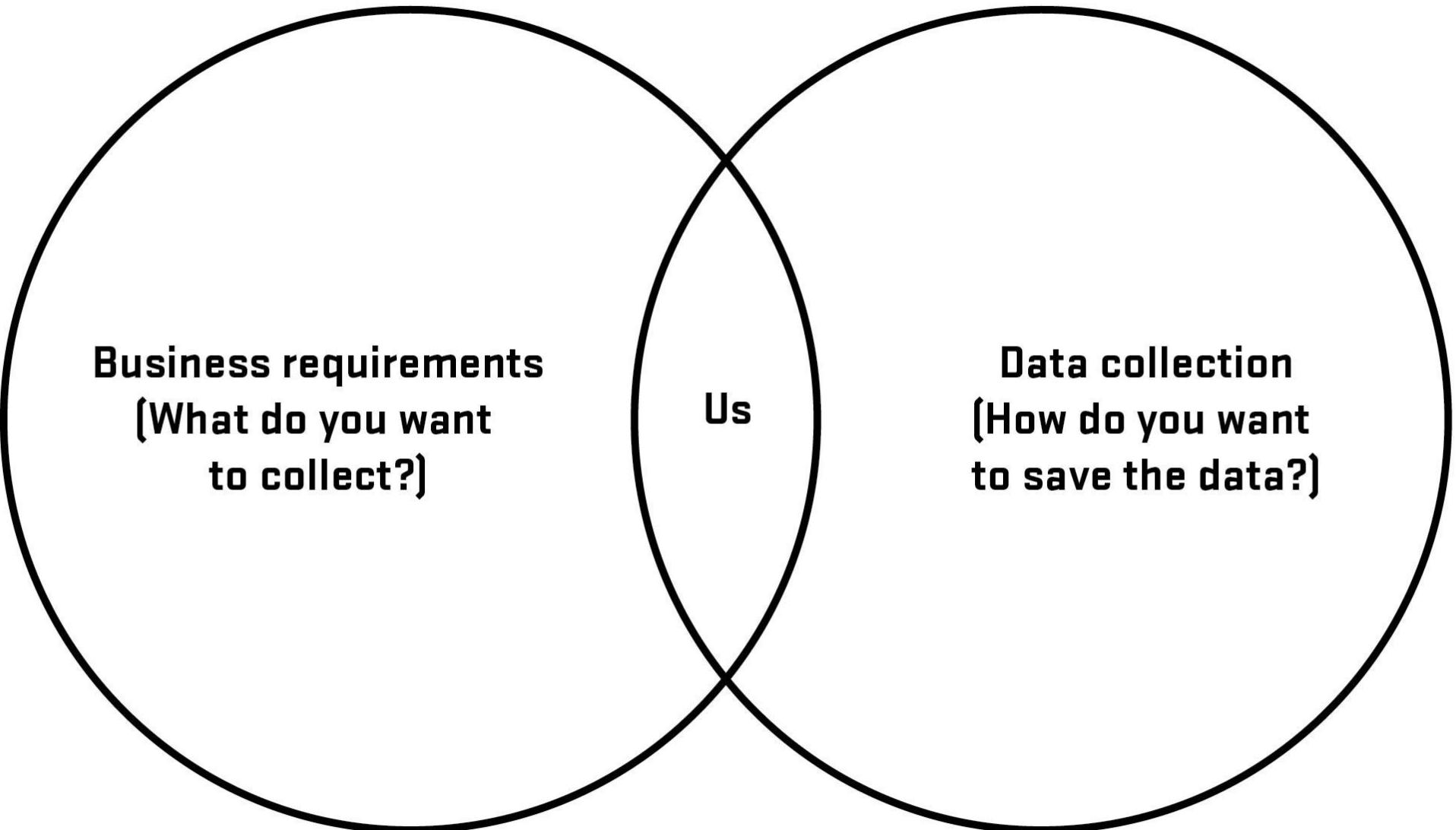
<option>Option 3</option>

</optgroup>

</select>

 placeholder placeholder

<input type=text placeholder=placeholder>



Zip/Postal Codes

US: Five digits, starting with “0” for New England states

Canada: Six alphanumeric characters

Australia: 4 numeric characters

Dates

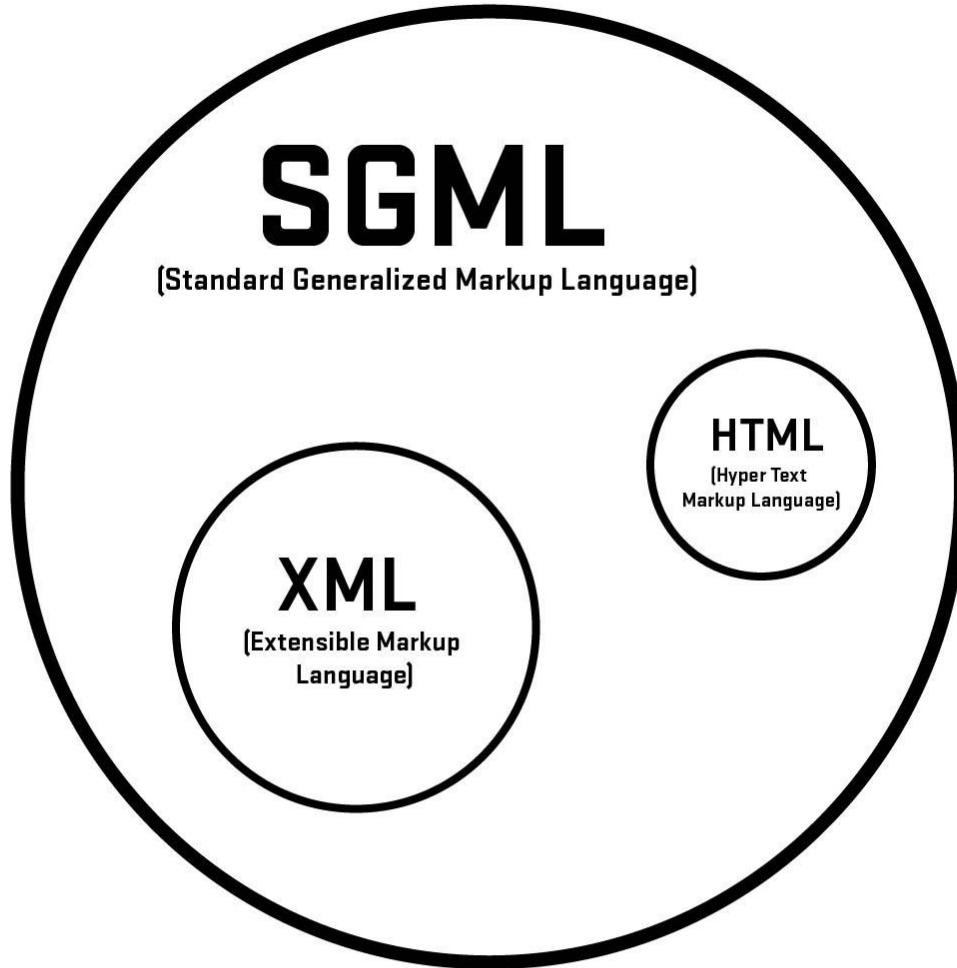
US: mm/dd/yyyy format

Rest of the World: dd/mm/yyyy format

input type="number"

<input type="number">

(1	2	3	.	P(,)
)	4	5	6	,	W(;)
+	7	8	9	-	←
[*	0	#	\$	←



2

An Information Language

**The hardest thing
[and the easiest to misunderstand]
for people who work with **HTML** is
that it's not a visual language.**

It's an **information language.**



Kaieteur Falls, Guyana

More Information: https://en.wikipedia.org/wiki/Kaieteur_Falls



Falls Falls, Guyana

Don't use a link [span/div/etc].

Use a [submit] button.

Labels

(and legends)

are

your best friends.



Good copywriting is very important.

Good copywriting is very important.

Buena redacción es muy importante.

Gute Texten ist sehr wichtig.

Jó szövegírás nagyon fontos.

好文案是非常重要的。

WAI-ARIA

WAI-ARIA (Web Accessibility Initiative – Accessible Rich Internet Applications) is a technical specification published by the World Wide Web Consortium (W3C) that specifies how to increase the accessibility of web pages, in particular, dynamic content and user interface components developed with Ajax, HTML, JavaScript and related technologies.

- Wikipedia (<https://en.wikipedia.org/wiki/WAI-ARIA>)

aria-live = [off, polite, assertive, rude]

aria-describedby = [element id]

aria-labelledby = [element id]

CALL CODES



Select Destination



1 2 3
4 5 6
7 8 9
CLR ✘ 0 DEL ▶

Enter #



CALL CODES

Select Destination



- Timor-Leste
- Togo
- Tokelau
- Tonga
- Trinidad and Tobago
- Tunisia
- Turkey
- Turkmenistan
- Turks and Caicos Islands
- Tuvalu
- Uganda
- Ukraine
- United Arab Emirates
- United Kingdom
- United States**
- United States Virgin Islands
- Uruguay
- Uzbekistan
- Vanuatu
- Venezuela

CALL CODES



United States



1 2 3
4 5 6
7 8 9
CLR ✘ 0 DEL ▶

+1 1234567890



External Protocol Request

Google Chrome needs to launch an external application to handle tel: links. The link requested is tel:+11234567890.

The following application will be launched if you accept this request:

Pick an app

If you did not initiate this request, it may represent an attempted attack on your system. Unless you took an explicit action to initiate this request, you should press Do Nothing.

Remember my choice for all links of this type.

[Launch Application](#)

[Do Nothing](#)



+1 1234567890



CALL CODES



United States



+1 1234567890



3

CALL CODES



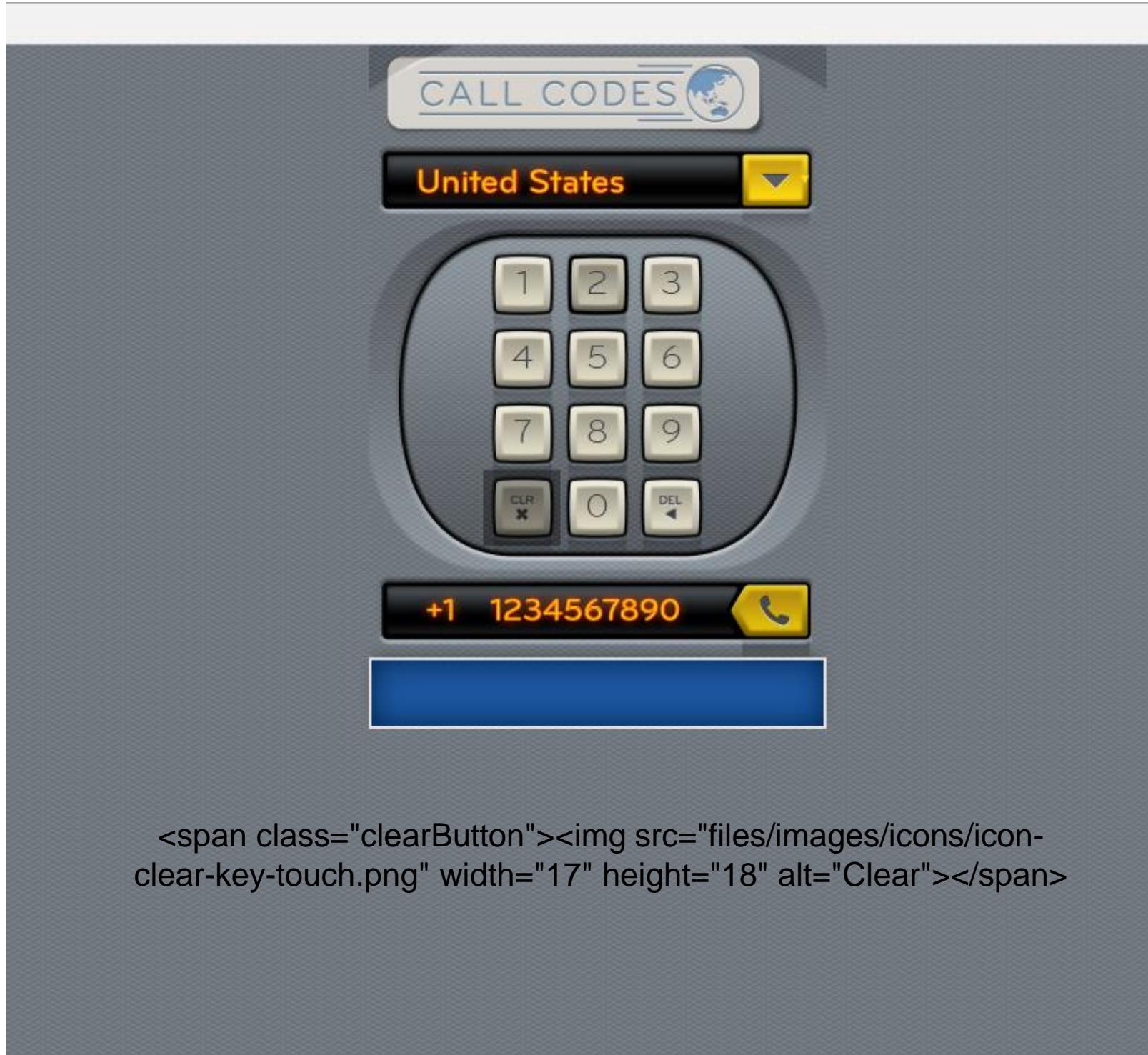
United States



+1 1234567890

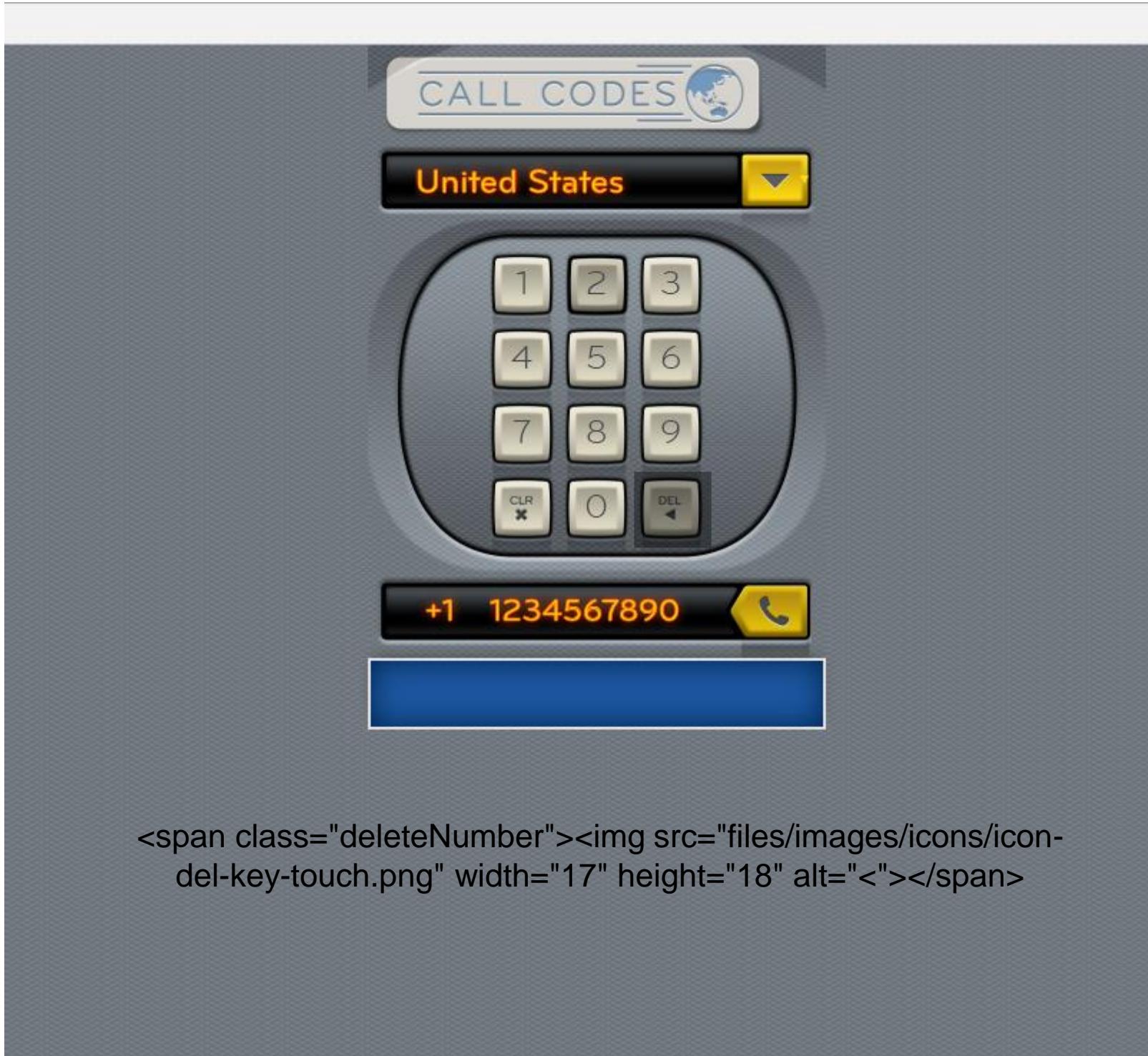


<button type="button">3</button>





<input type="reset" class="clearButton" value="Clear Number">

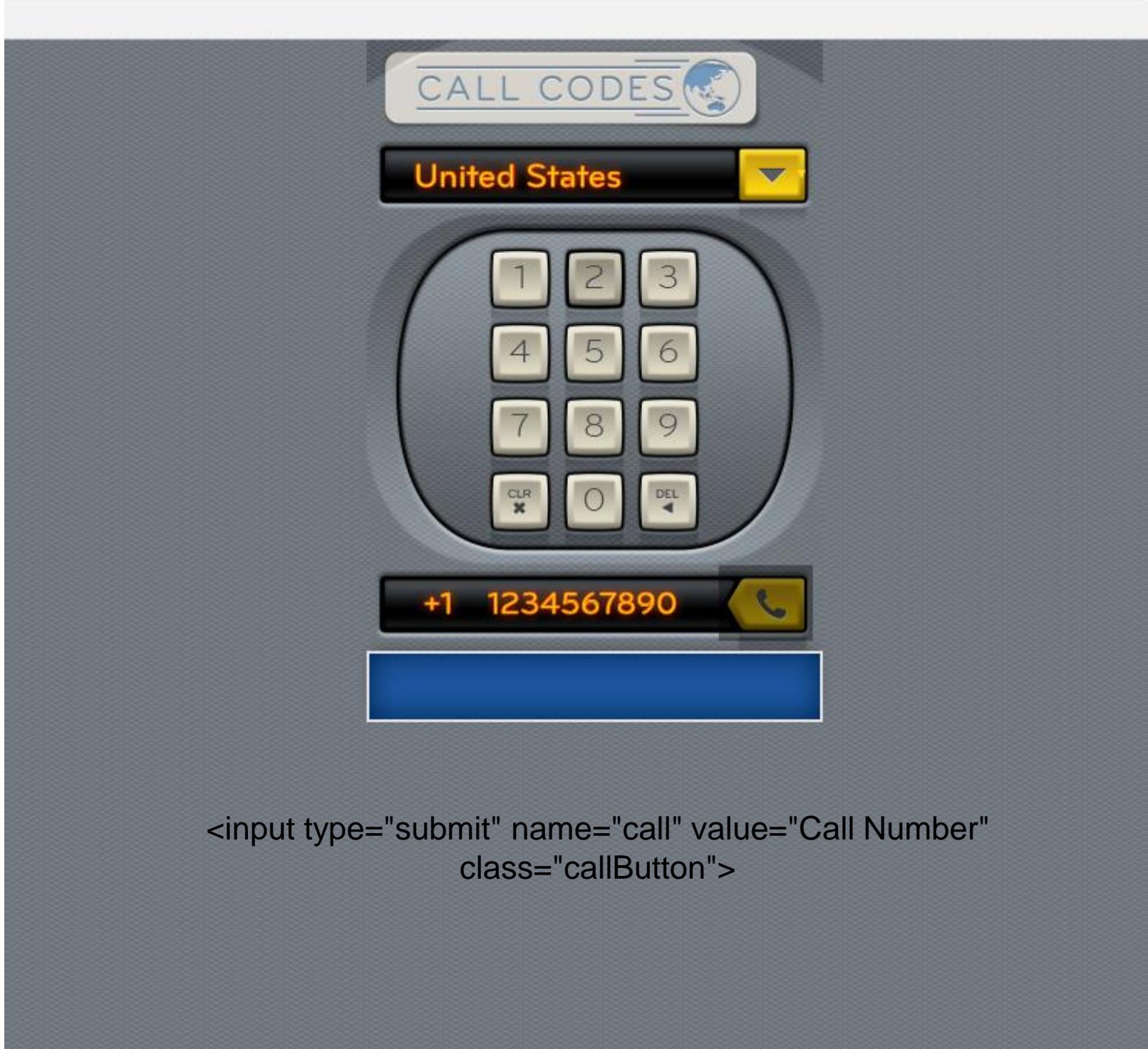




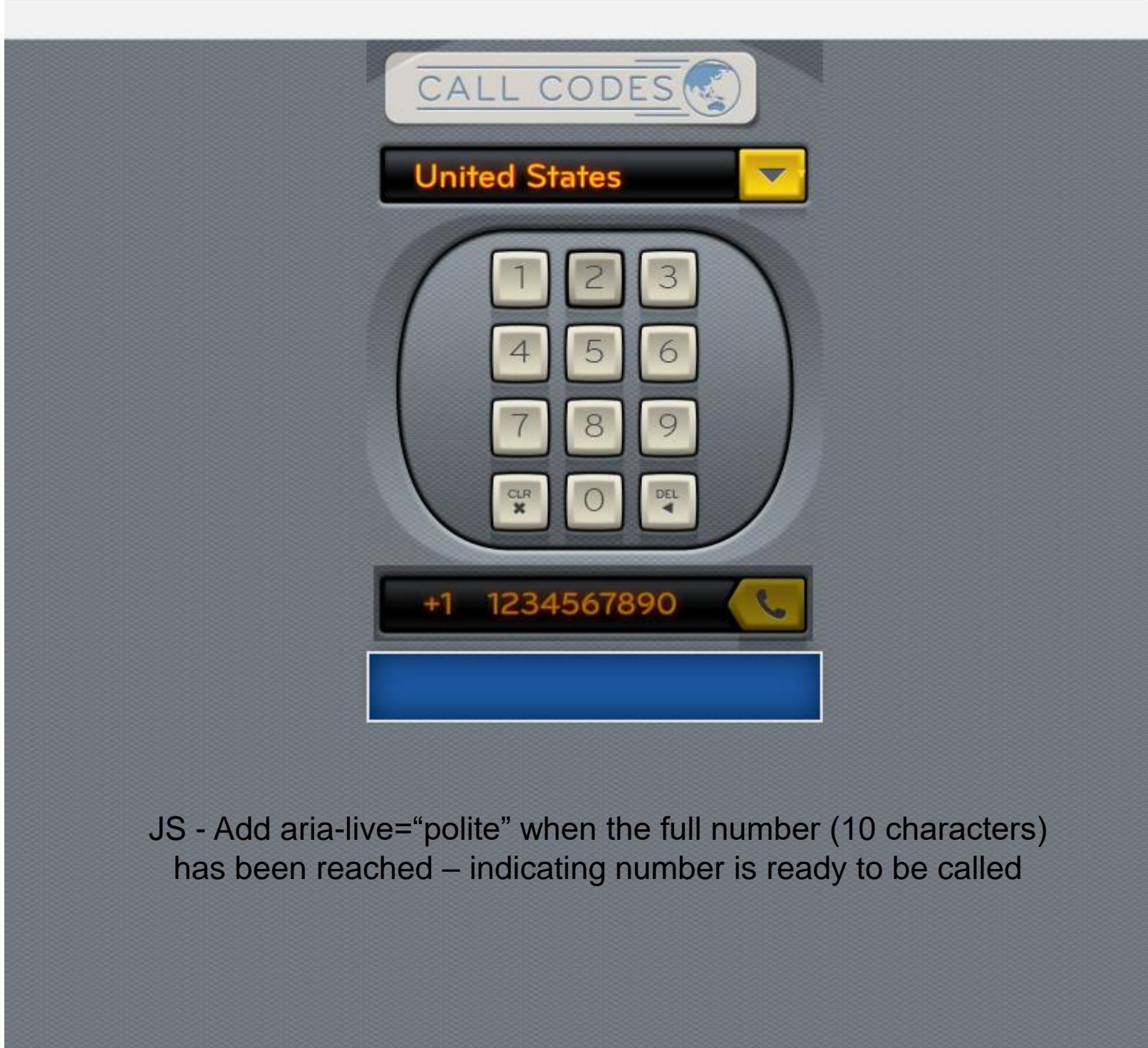
<button type="button" class="deleteNumber">Delete
Numbers</button>



[](#)



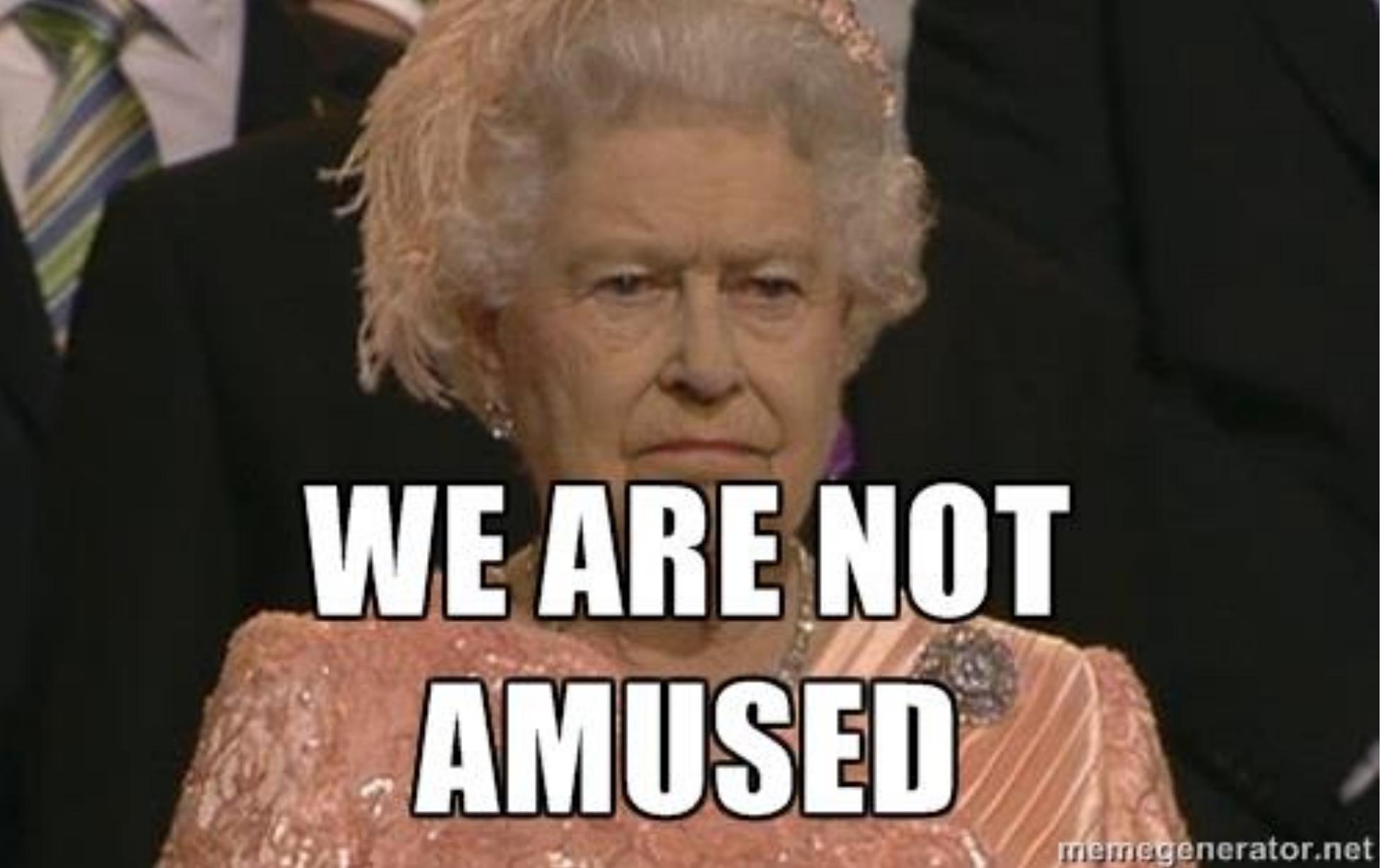
```
<input type="submit" name="call" value="Call Number"  
       class="callButton">
```



JS - Add aria-live="polite" when the full number (10 characters)
has been reached – indicating number is ready to be called

HTML
is a language
and it has
superpowers.

What
about
CSS?



**WE ARE NOT
AMUSED**

Chrome Windows 10

<input type="radio">

<input type="radio checked">

<input type="checkbox">

<input type="checkbox checked">

<select>
<option></option>
<option>Option 1</option>
</select>

<select>
<optgroup label="Option group 1">
<option>Option 1</option>
<option>Option 2</option>

Chrome Yosemite

<input type="radio">

<input type="radio checked">

<input type="checkbox">

<input type="checkbox checked">

<select>
<option></option>
<option>Option 1</option>
</select>

<select>
<optgroup label="Option group 1">
<option>Option 1</option>
<option>Option 2</option>
</optgroup>
<optgroup>
<option>Option 3</option>
</optgroup>
</select>

IE 11 Windows 10

<input type="radio">

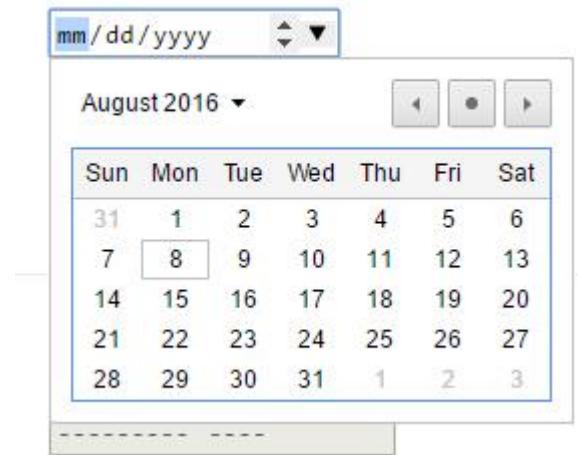
<input type="radio checked">

<input type="checkbox">

<input type="checkbox checked">

<select>
<option></option>
<option>Option 1</option>
</select>

<select>
<optgroup label="Option group 1">
<option>Option 1</option>
<option>Option 2</option>
</optgroup>
<optgroup>
<option>Option 3</option>
</optgroup>
</select>



Chrome
Windows 10

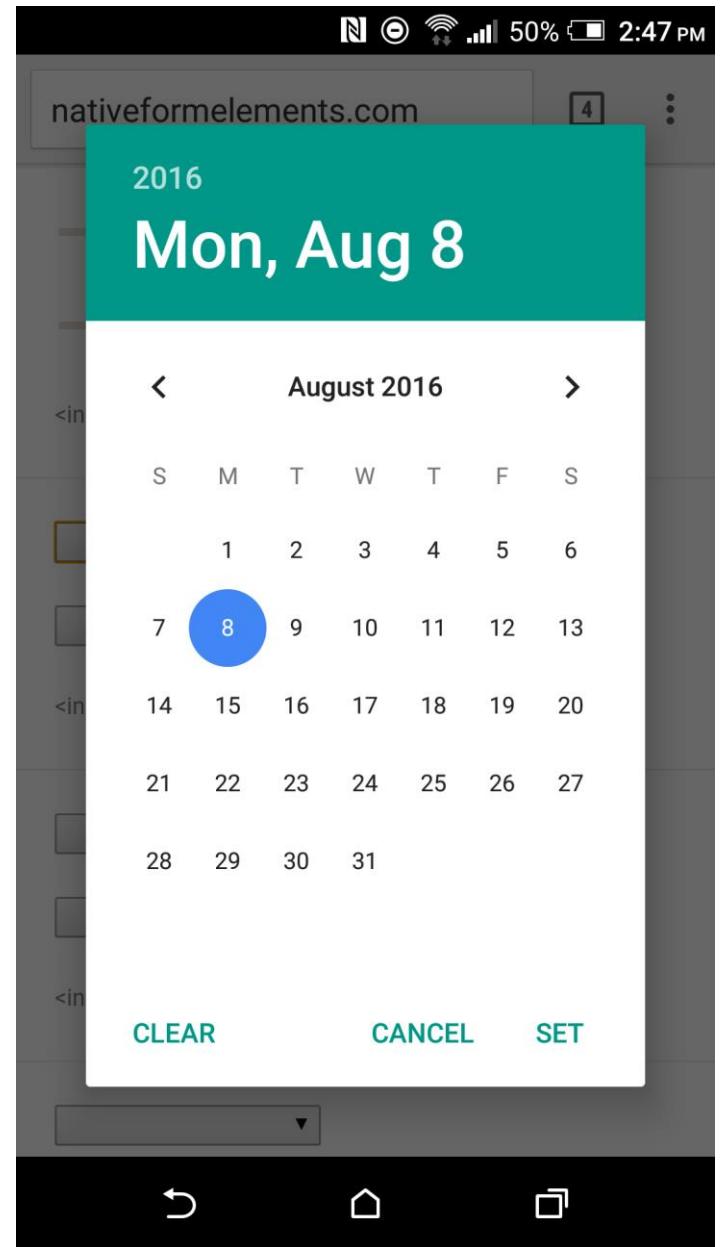
mm/dd/yyyy		
March	5	2011
April	4	2012
May	5	2013
June	6	2014
July	7	2015
August	8	2016
September	9	2017
October	10	2018
November	11	2019
December	12	2020
	13	2021

✓ X

Edge
Windows 10



iPhone 6S Plus
iOS 9



HTC One M8
Android Marshmallow (6)

To enhance,
Not reproduce
[native UI]

Default

Label for required field

Placeholder text

Hover

Label (optional)

Focus

Label

Entered text

**Labels
are
your best friends.**

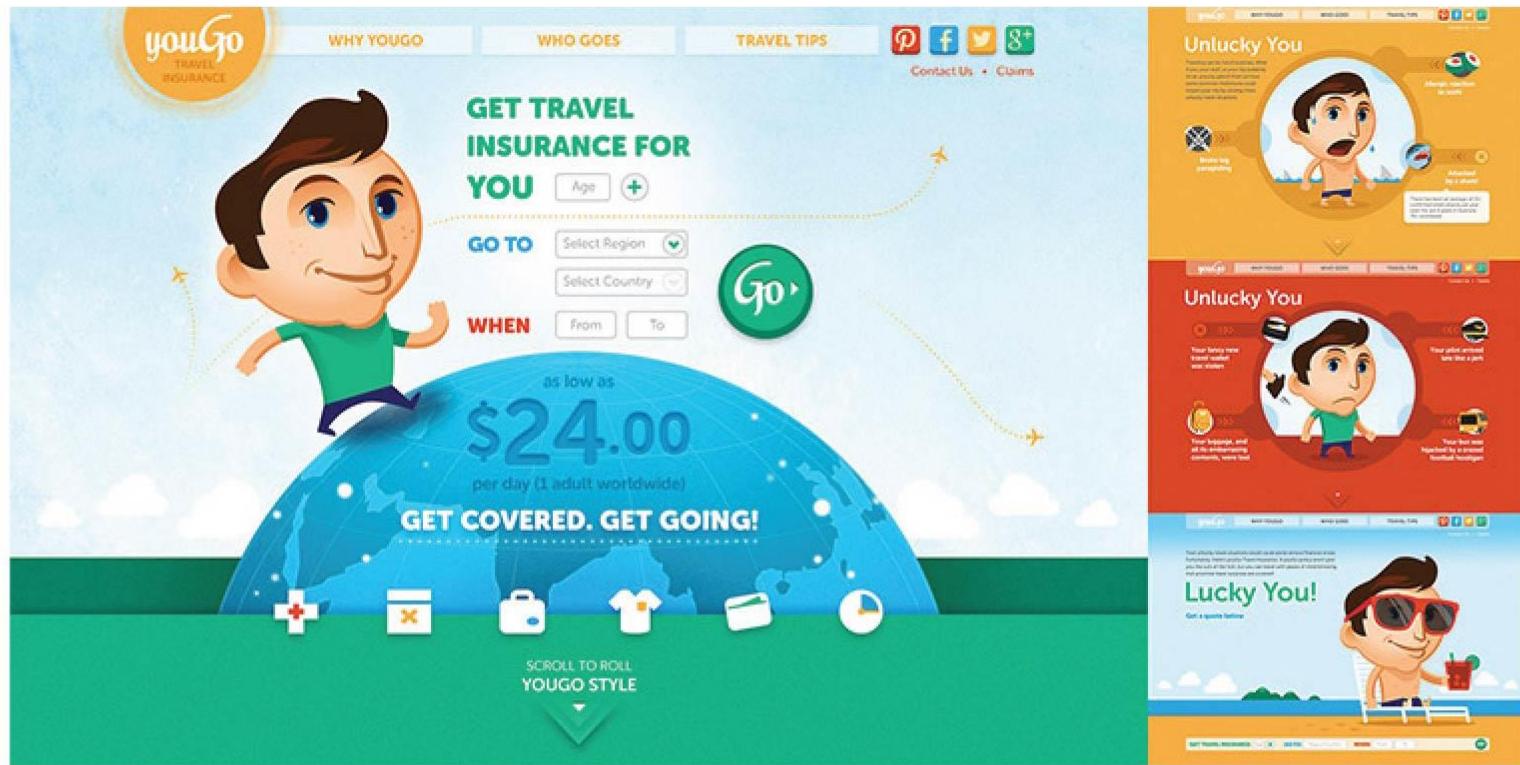


```
demo-code.html  x
1 <fieldset>
2     <legend>Legend Text</legend>
3     <ul>
4         <li>
5             <input name="choice" type="radio" id="choice-1" value="Yes" />
6             <label for="choice-1">First Radio Button</label>
7         </li>
8         <li>
9             <input name="choice" type="radio" id="choice-2" value="No" />
10            <label for="choice-2">Second Radio Button</label>
11        </li>
12    </ul>
13 </fieldset>
```

```
demo-code.html x
1 <fieldset>
2   <legend>Legend Text</legend>
3   <ul>
4     <li>
5       <input name="choice" type="radio" id="choice-1" value="Yes" />
6       <label for="choice-1">First Radio Button</label>
7     </li>
8     <li>
9       <input name="choice" type="radio" id="choice-2" value="No" />
10      <label for="choice-2">Second Radio Button</label>
11    </li>
12  </ul>
13 </fieldset>
```

```
demo-code.html x
1 <fieldset>
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3     <ul>
4         <li>
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6             <label for="choice-1">First Radio Button</label>
7         </li>
8         <li>
9             <input name="choice" type="radio" id="choice-2" value="No" />
10            <label for="choice-2">Second Radio Button</label>
11        </li>
12    </ul>
13 </fieldset>
```

```
demo-code.html x
1 <fieldset>
2     <legend>Legend Text</legend>
3     <ul>
4         <li>
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6             <label for="choice-1">First Radio Button</label>
7         </li>
8         <li>
9             <input name="choice" type="radio" id="choice-2" value="No" />
10            <label for="choice-2">Second Radio Button</label>
11        </li>
12    </ul>
13 </fieldset>
```



youGo Travel Insurance (Desktop View)

<http://yougotravelinsurance.com.au/>

Unlucky You



Your fancy new travel wallet was stolen



Your luggage, and all its embarrassing contents, were lost



Your flight is delayed by severe weather.



Your bus was hijacked by a crazed football hooligan

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```
<fieldset class="walletSet">
  <legend>Your fancy new travel wallet was stolen</legend>
  <ul class="walletStolen">
    <li>
      <label for="wallet2-0">
        "Yes"
        <input id="wallet2-0" type="radio" name="wallet2" value="yes">
      </label>
    </li>
    <li>
      <label for="wallet2-1">
        "No"
        <input id="wallet2-1" type="radio" name="wallet2" value="no">
      </label>
    </li>
  </ul>
</fieldset>
```



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        "Yes"
        <input id="wallet2-0" type="radio" name="wallet2" value="yes">
      </label>
    </li>
    <li>
      <label for="wallet2-1">
        "No"
        <input id="wallet2-1" type="radio" name="wallet2" value="no">
      </label>
    </li>
  </ul>
</fieldset>
```



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      </label>
    </li>
    <li>
      <label for="wallet2-1">
        "No"
        <input id="wallet2-1" type="radio" name="wallet2" value="no">
      </label>
    </li>
  </ul>
</fieldset>
```



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        <input id="wallet2-0" type="radio" name="wallet2" value="yes">
      </label>
    </li>
    <li>
      <label for="wallet2-1">
        "No"
        <input id="wallet2-1" type="radio" name="wallet2" value="no">
      </label>
    </li>
  </ul>
</fieldset>
```



Your bus was hijacked by a crazed football hooligan



CQ Roll Call Taste of America

<http://www.rollcalltasteofamerica.com/>



It's back! Prove which state has the best food in America. Vote with your taste buds and support your state by choosing your favorite regional cuisine. Make your selections then click vote!



Round 1
April 1-7

Round 2
April 8-14

Round 3
April 15-21

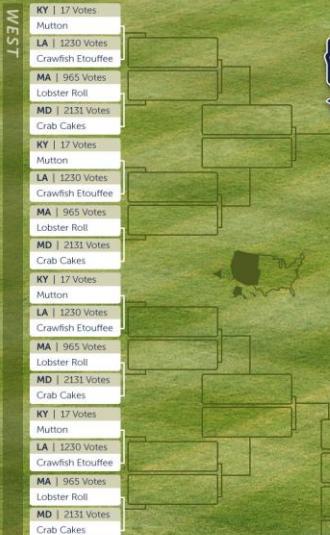
Final Round
April 22-28

Round 3
April 15-21

Round 2
April 8-14

Round 1
April 1-7

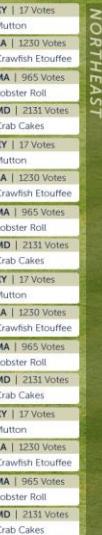
WEST



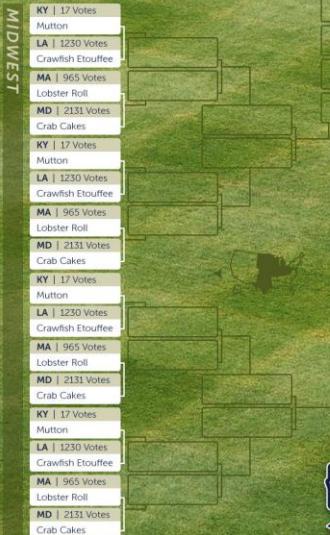
Make your picks
then click vote!



NORTHEAST



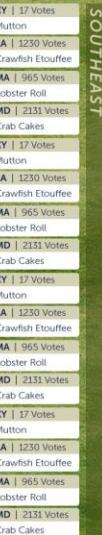
MIDWEST



Make your picks
then click vote!



SOUTHEAST



Sponsored by:





It's back! Prove which state has the best food in America. Vote with your taste buds and support your state by choosing your favorite regional cuisine. Make your selections then click vote!

	Round 1 April 1-7	Round 2 April 8-14	Round 3 April 15-21	Final Round April 22-28
WEST	\$1 123 votes Food Item #1			
	\$1 123 votes Food Item #1			
		\$1 123 votes Food Item #1		
			\$1 123 votes Food Item #1	
				\$1 123 votes Food Item #1

Make your picks then click vote.



It's back! Prove which state has the best food. Vote with your taste buds by choosing your favorite regional selections then click vote.

MARYLAND

Crab Cakes

Blue crabs are the official state food of Maryland.

Round 1
April 1-7

CLICK TO SELECT

\$1 | 123 votes
Food Item #1

Final Round
April 22-28

Make your picks then click vote.

VOTE

WEST

The interface is a mobile-style voting app for the "Taste of America" competition. It shows the results for Maryland's entry, Crab Cakes. On the left, there's a sidebar for the "WEST" region with a list of food items and their vote counts. In the center, there's a detailed view of the Maryland entry, including a photo of the crab cakes and a recommended beer pairing. On the right, there's a section for the "Final Round" and a large "VOTE" button.



```

▼<div class="west">
  <h4>West</h4>
  ▼<fieldset class="matchup">
    <legend>Matchup #1</legend>
    ▼<div class="competitor">
      ▼<label class="md"> == $0
        ▼<strong>
          "S1"
          ::after
        </strong>
        <em>123 votes</em>
        <span>Food Item #1</span>
      </label>
      ▼<span class="selection">
        ▼<strong>
          "Click to "
          <span>Select</span>
        </strong>
        <input name="state_1" type="radio" id="state_1_1" value="0">
      </span>
      ▼<div class="menu">
        ::before
        ▼<div class="text">
          <h5>Maryland</h5>
          <strong class="foodItem">Crab Cakes</strong>
          <p>Blue crabs are the official state food of Maryland.</p>
        ▼<span class="foodImg">
          
        </span>
        ▼<p class="beerChoice">
          "Beer Pairing: "
          <a href="#" class="beer">Stella Artois</a>
        </p>
      </div>
    </div>
  </div>
  ▶<div class="competitor">...</div>
</fieldset>

```



```

▼<div class="west">
  <h4>West</h4>
  ▼<fieldset class="matchup">
    <legend>Matchup #1</legend>
    ▼<div class="competitor">
      ▼<label class="md"> == $0
        ▼<strong>
          "S1"
          ::after
        </strong>
        <em>123 votes</em>
        <span>Food Item #1</span>
      </label>
      ▼<span class="selection">
        ▼<strong>
          "Click to "
          <span>Select</span>
        </strong>
        <input name="state_1" type="radio" id="state_1_1" value="0">
      </span>
      ▼<div class="menu">
        ::before
        ▼<div class="text">
          <h5>Maryland</h5>
          <strong class="foodItem">Crab Cakes</strong>
          <p>Blue crabs are the official state food of Maryland.</p>
        ▼<span class="foodImg">
          
        </span>
        ▼<p class="beerChoice">
          "Beer Pairing: "
          <a href="#" class="beer">Stella Artois</a>
        </p>
      </div>
    </div>
  </div>
  ▶<div class="competitor">..</div>
</fieldset>

```



```

▼<div class="west">
  <h4>West</h4>
  ▼<fieldset class="matchup">
    <legend>Matchup #1</legend>
    ▼<div class="competitor">
      ▶<label class="md"> == $0
        ▼<strong>
          "S1"
          ::after
        </strong>
        <em>123 votes</em>
        <span>Food Item #1</span>
      </label>
      ▼<span class="selection">
        ▼<strong>
          "Click to "
          <span>Select</span>
        </strong>
        <input name="state_1" type="radio" id="state_1_1" value="0">
      </span>
      ▼<div class="menu">
        ::before
        ▼<div class="text">
          <h5>Maryland</h5>
          <strong class="foodItem">Crab Cakes</strong>
          <p>Blue crabs are the official state food of Maryland.</p>
        ▼<span class="foodImg">
          
        </span>
        ▼<p class="beerChoice">
          "Beer Pairing: "
          <a href="#" class="beer">Stella Artois</a>
        </p>
      </div>
    </div>
    ▶<div class="competitor">..</div>
  </fieldset>

```



```

▼<div class="west">
  <h4>West</h4>
  ▼<fieldset class="matchup">
    <legend>Matchup #1</legend>
    ▼<div class="competitor">
      ▶<label class="md"> == $0
        ▼<strong>
          "S1"
          ::after
        </strong>
        <em>123 votes</em>
        <span>Food Item #1</span>
      </label>
      ▼<span class="selection">
        ▼<strong>
          "Click to "
          <span>Select</span>
        </strong>
        <input name="state_1" type="radio" id="state_1_1" value="0">
      </span>
      ▼<div class="menu">
        ::before
        ▼<div class="text">
          <h5>Maryland</h5>
          <strong class="foodItem">Crab Cakes</strong>
          <p>Blue crabs are the official state food of Maryland.</p>
        ▼<span class="foodImg">
          
        </span>
        ▼<p class="beerChoice">
          "Beer Pairing: "
          <a href="#" class="beer">Stella Artois</a>
        </p>
      </div>
    </div>
  </div>
  ▶<div class="competitor">..</div>
</fieldset>

```



X

destination Madagascar

Worldwide >

Worldwide excluding the Americas & Antarctica

UK, Ireland, Hong Kong,
Singapore & Sth East Asia >

South Pacific and Norfolk
Islands >

Australia >

New Zealand >

Bahrain	Germany	Madagascar	Slovenia
Bangladesh	Ghana	Malawi	Somalia
Belarus	Gibraltar	Maldives	South Africa
Belgium	Greece	Mali	South Korea
Benin	Guam	Malta	Spain
Bhutan	Guinea	Mauritania	Sri Lanka
Bosnia	Guinea-Bissau	Mauritius	Sudan
Botswana	Herzegovina	Moldova	Swaziland
Bulgaria	Hungary	Monaco	Sweden
Burkina Faso	Iceland	Mongolia	Switzerland
Burundi	India	Montenegro	Syria
Cameroon	Iran	Morocco	Taiwan
Canary Islands	Iraq	Mozambique	Tajikistan

X

destination Madagascar

Worldwide >

Worldwide excluding the Americas & Antarctica

UK, Ireland, Hong Kong, Singapore & Sth East Asia >

South Pacific and Norfolk Islands >

Australia

New Zealand

Bahrain

Bangladesh

Belarus

Belgium

Benin

Bhutan

Bosnia

Botswana

Bulgaria

Burkina Faso

Burundi

Cameroon

Canary Islands

Cape Verde

Central African Rep.

Chad

Chile

China

Colombia

Congo

Croatia

Cuba

Cyprus

Côte d'Ivoire

Djibouti

Egypt

El Salvador

Equatorial Guinea

Eritrea

Eswatini

Ethiopia

Fiji

Gabon

Gambia

Greece

Grenada

Haiti

Hungary

Iceland

India

Iran

Iraq

Ireland

Italy

Ivory Coast

Jamaica

Jordan

Kazakhstan

Kenya

Kiribati

Lebanon

Liberia

Lithuania

Lithuania

Madagascar

Maldives

Malta

Mauritania

Mauritius

Moldova

Monaco

Mongolia

Montenegro

Morocco

Mozambique

Namibia

Nicaragua

Niger

Nigeria

Pakistan

Palestine

Panama

Papua New Guinea

Paraguay

Peru

Philippines

Pitcairn Islands

Poland

Portugal

Qatar

Rwanda

Saint Lucia

Saint Vincent and the Grenadines

Saint Helena

Saint Kitts and Nevis

Saint Pierre and Miquelon

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Saint Helena

WELCOME TO
HELL
THE DEVIL'S HANGOUT
GIFT SHOP



What if?

Two questions / word blocks -

a) validation

→ bars button / label
inside a legend.

b) scrolling ~~media~~

→ how to support
iOS / Android legacy
(e) (2.x)

1/27/14

OK - decided to take the
plunge. What do I
need?

i) Accessible - current

form is nightmare -

links to go nowhere,

2 long MA Post does some

much of a purpose beyond
telling ~~the~~ regional country
(annoyingly "!!")

2) One code base -

a) limit amount of extra
code needed (performance)

b) ~~case~~ case for
transformed id /
configure for regions

3) Need to work in small
~~the~~ screen, not just
in the larger regime

4) Use as little JS as
possible

5) (Optim) use ARIA
for more

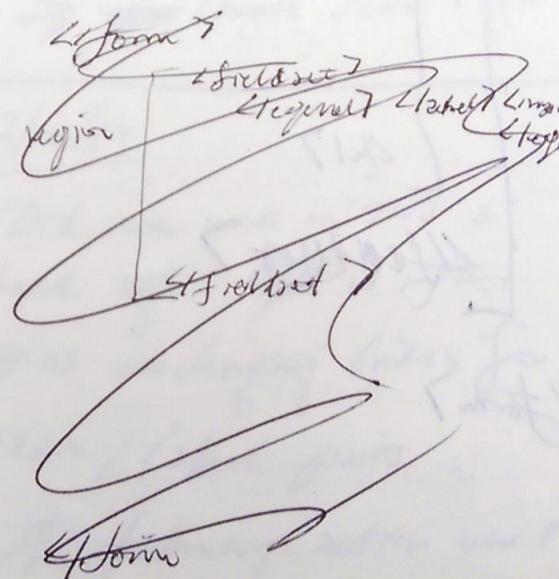
7) (Optim) can use

auto complete if necessary

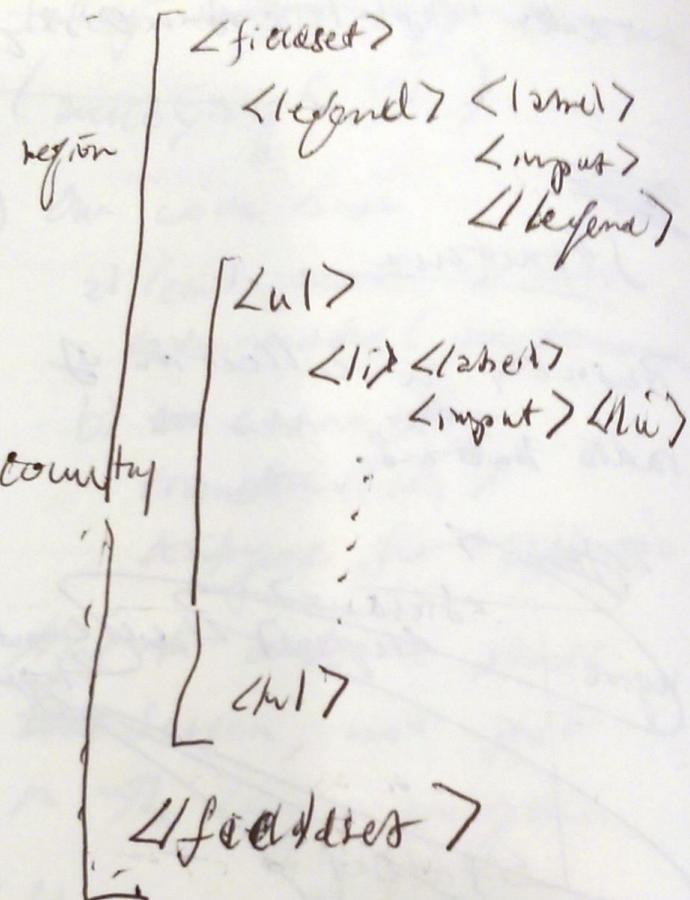
~~Post~~

Structure

Basically a collection of
radio buttons



$\langle \text{form} \rangle$



$\langle \text{form} \rangle$

📍 Where is your trip? ⓘ

Type a country or region



Worldwide (inc.
Americas and
Africa)

Europe, Asia
and the Middle
East

UK and South
East Asia

Indonesia, NZ
and South West
Pacific

Australia

📍 Where is your trip? ⓘ

Type a country or region

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Africa)

Europe, Asia
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East

UK and South
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Indonesia, NZ
and South West
Pacific

Australia

[Ascension Island](#)

[Azores](#)

[Bahamas](#)

[Barbados](#)

[Belize](#)

[Benin](#)

[Bermuda](#)

[Bolivia](#)

[Botswana](#)

[Brazil](#)

[Burkina Faso](#)

[Libya](#)

[Madagascar](#)

[Malawi](#)

[Mali](#)

[Martinique](#)

[Mauritania](#)

[Mauritius](#)

[Mexico](#)

[Morocco](#)

[Mozambique](#)

[Namibia](#)

📍 Where is your trip? ⓘ

Bahamas

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Belize

Benin

Bermuda

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Libya

Madagascar

Malawi

Mali

Martinique

Mauritania

Mauritius

Mexico

Morocco

Mozambique

Namibia



Where is your trip? ?

Type a country or region



Worldwide (inc. Americas and Africa)

Europe, Asia and the Middle East

UK and South East Asia

Indonesia, NZ and South West Pacific

Australia

📍 Where is your trip? ⓘ

Type a country or region

Worldwide (inc. Americas and Africa)

[Algeria](#)

[Angola](#)

[Anguilla](#)

[Antarctica \(Cruising\)](#)

[Antigua And Barbuda](#)

📍 Where is your trip? ⓘ

Bahamas

Azores

Bahamas

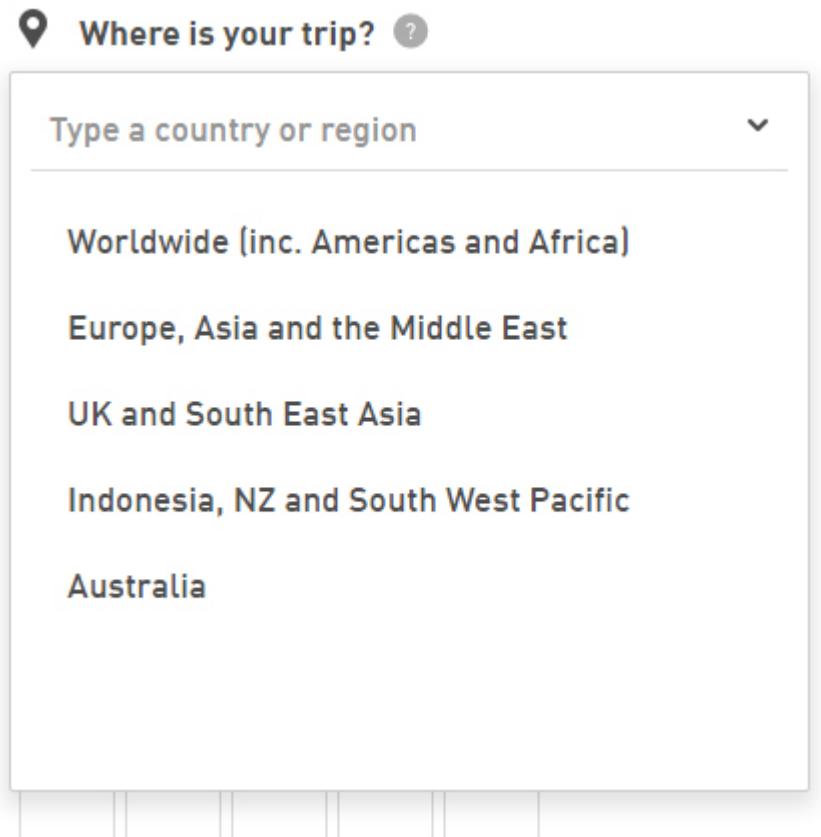
Barbados

Belize

Benin

Bermuda

```
.ui-countryselector input[type="radio"]  
+ label ~ div.columns {  
    overflow: hidden;  
    float: none;  
    position: absolute;  
    clip: rect(0,0,0,0);  
    width: 100%;  
    height: 0;  
    margin: 0;  
    padding: 0;  
}  
}
```



If a region is not selected,
hide related countries

Where is your trip? 

Type a country or region 

Worldwide (inc. Americas and Africa)

Europe, Asia and the Middle East

UK and South East Asia

Indonesia, NZ and South West Pacific

Australia

If a region is selected,
show related countries

Where is your trip? ?

Type a country or region

Worldwide (inc. Americas and Africa)

[Algeria](#)

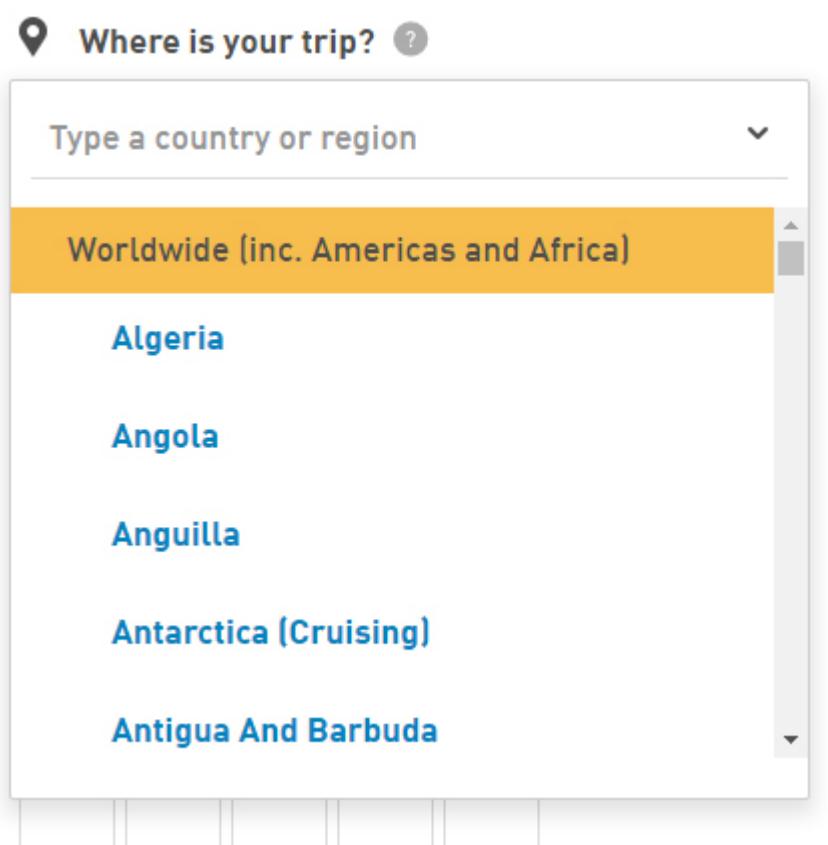
[Angola](#)

[Anguilla](#)

[Antarctica \(Cruising\)](#)

[Antigua And Barbuda](#)

```
.ui-countryselector input[type="radio"]:checked  
+ label ~ div.columns {  
    position: static;  
    height: auto;  
}  
}
```



.ui-countryselector input[type="radio"] + label ~ div.columns { overflow: auto; }

📍 Where is your trip? ⓘ

Type a country or region



Worldwide (inc.
Americas and
Africa)

Europe, Asia
and the Middle
East

UK and South
East Asia

Indonesia, NZ
and South West
Pacific

Australia

.ui-countryselector input[type="radio"]:checked + label ~ div.columns { float: left; height: 384px; }

📍 Where is your trip? ⓘ

Type a country or region

Worldwide (inc.
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Botswana

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Burkina Faso

Libya

Madagascar

Malawi

Mali

Martinique

Mauritania

Mauritius

Mexico

Morocco

Mozambique

Namibia

Few bugs exists when starting out two years ago.

**CSS/Adjacent Selector – with early versions of
Android (<4.2) and iOS (<7) to a lesser degree.**

But all have disappeared.

Thankfully!

Test!



In summary...

The number one benefit of information technology is that it empowers people to do what they want to do. It lets people be creative. It lets people be productive. It lets people learn things they didn't think they could learn before, and so in a sense it is all about potential.

- Steve Ballmer

Thank You!

Ivan Wilson



@iwilsonjr

#SecretForms

CSS Dev Conference
San Antonio, Texas
October 17-19, 2016