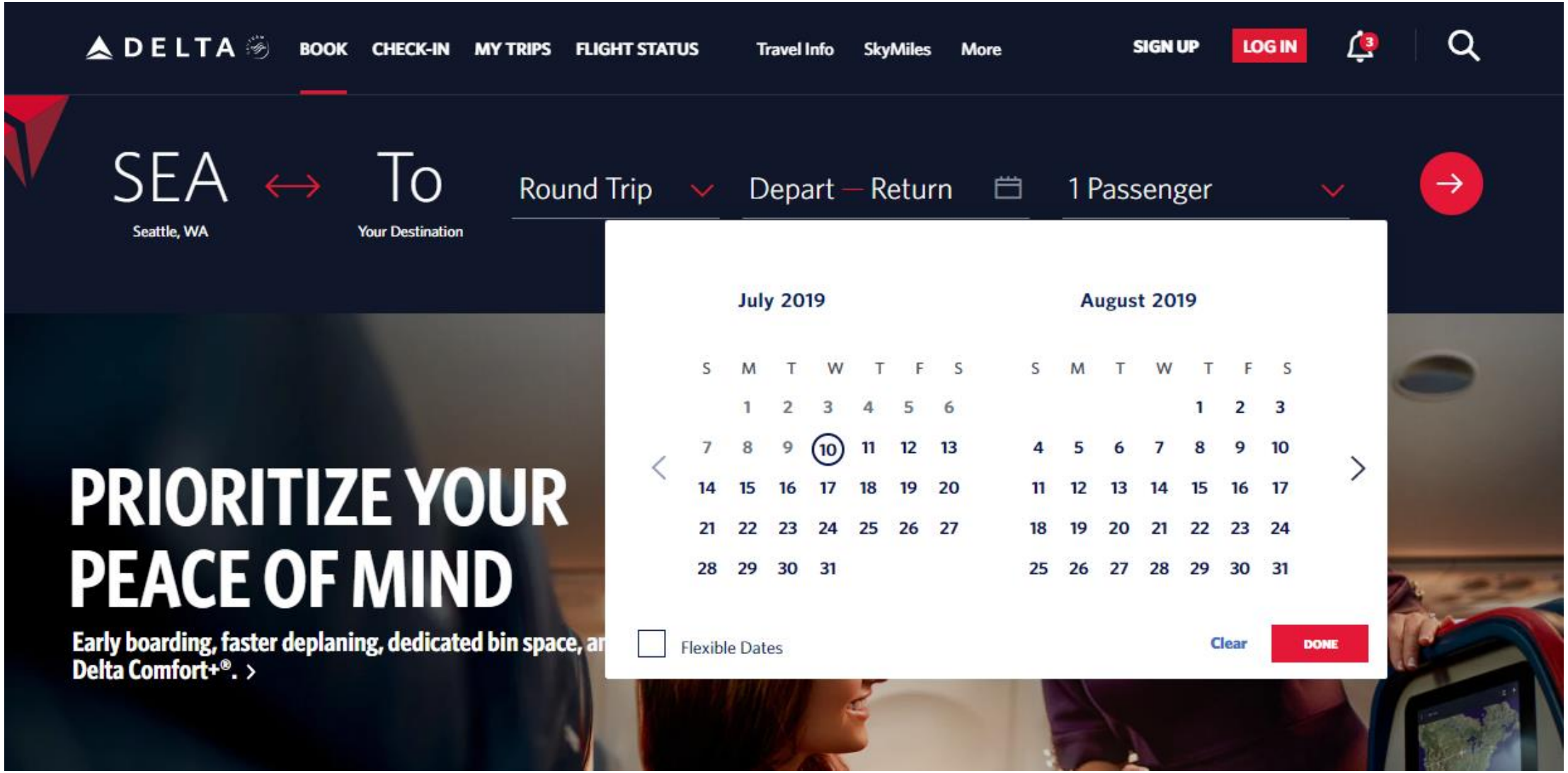
Open UI Overview

CSSWG July 2020

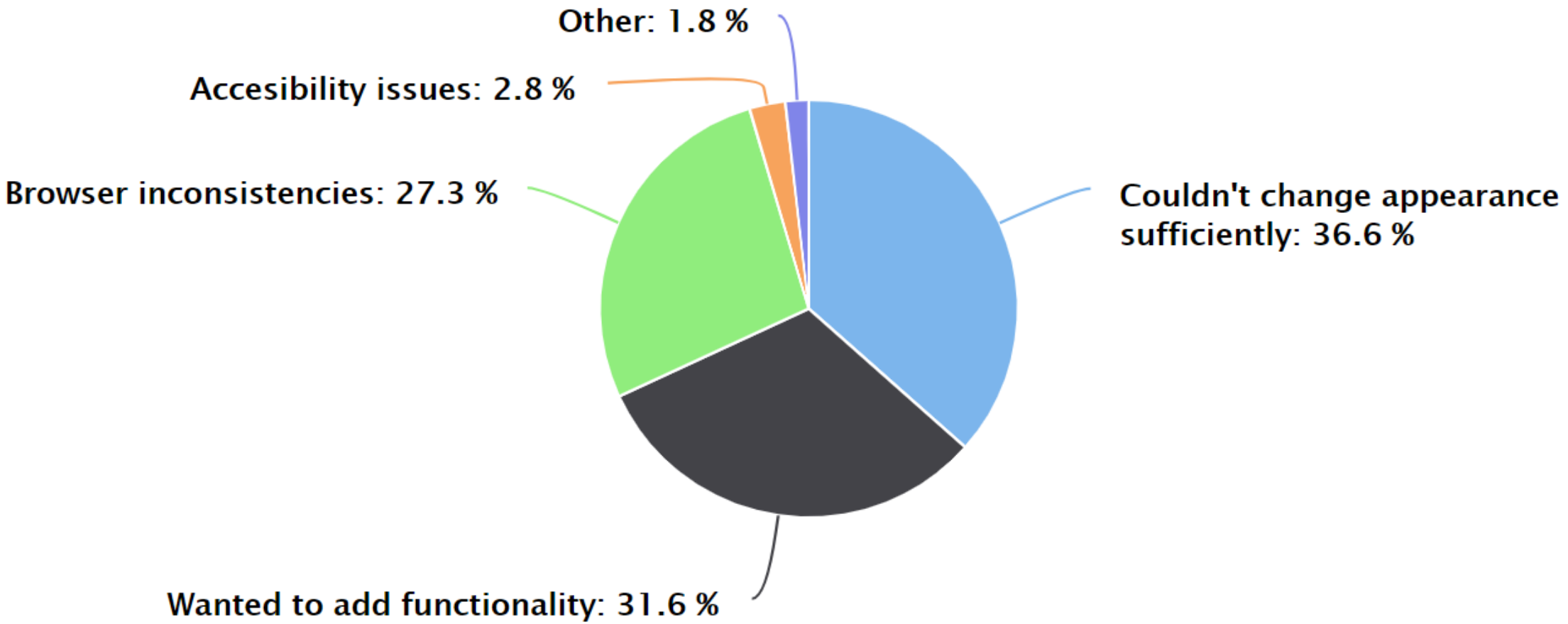
Edge & Chrome form control collaboration

Accessibility, Touch, & Visual Refresh

2019-10-06
October 2019
Su Mo Tu We Th Fr Sa
29 30 1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31 1 2
3 4 5 6 7 8 9
Today
38
148
232
R
G
B

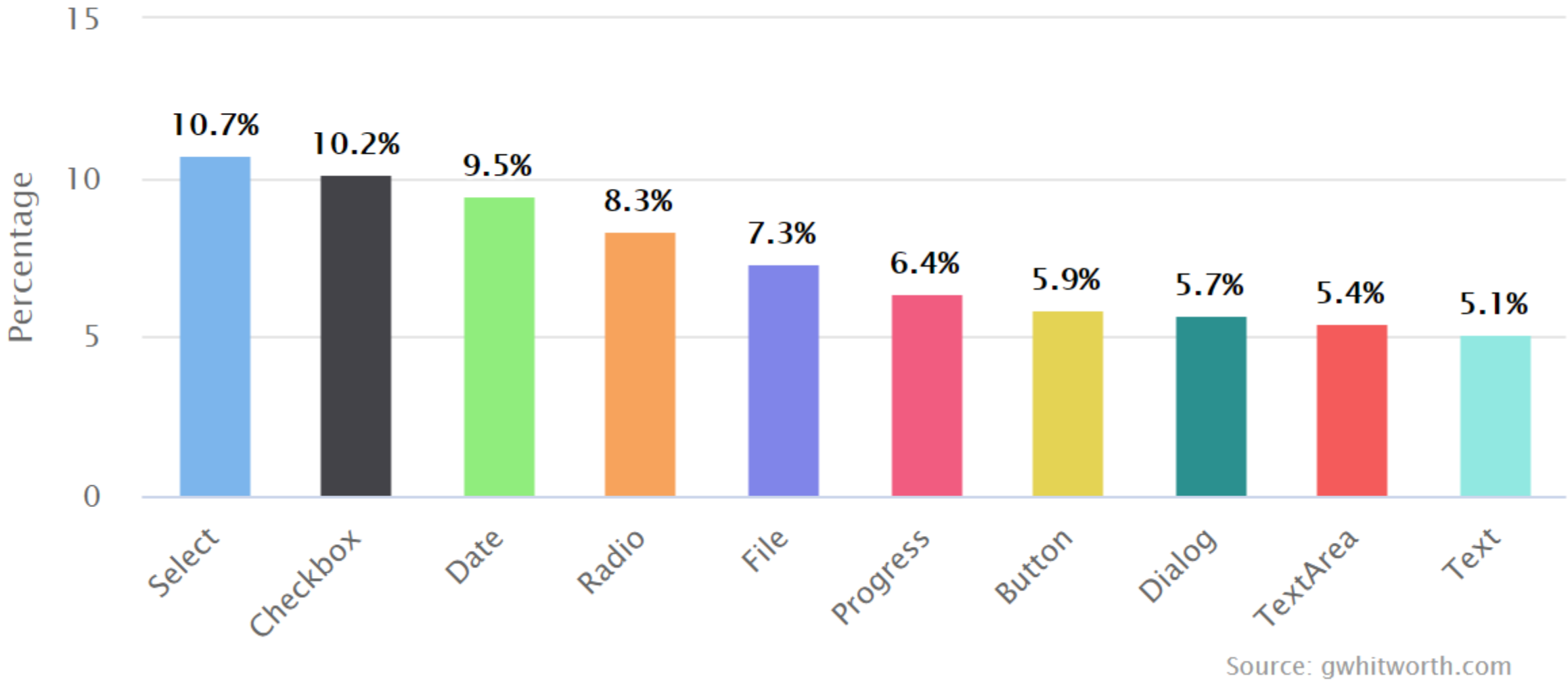

DELTA
BOOK
CHECK-IN
MY TRIPS
FLIGHT STATUS
Travel Info
SkyMiles
More
SIGN UP
LOG IN
3
SEA
Seattle, WA
To
Your Destination
Round Trip
Depart — Return
1 Passenger
July 2019
August 2019
S M T W T F S
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31
Flexible Dates
Clear
DONE
PRIORITIZE YOUR PEACE OF MIND
Early boarding, faster deplaning, dedicated bin space, ar
Delta Comfort+®. ›

Why do you re-create them?



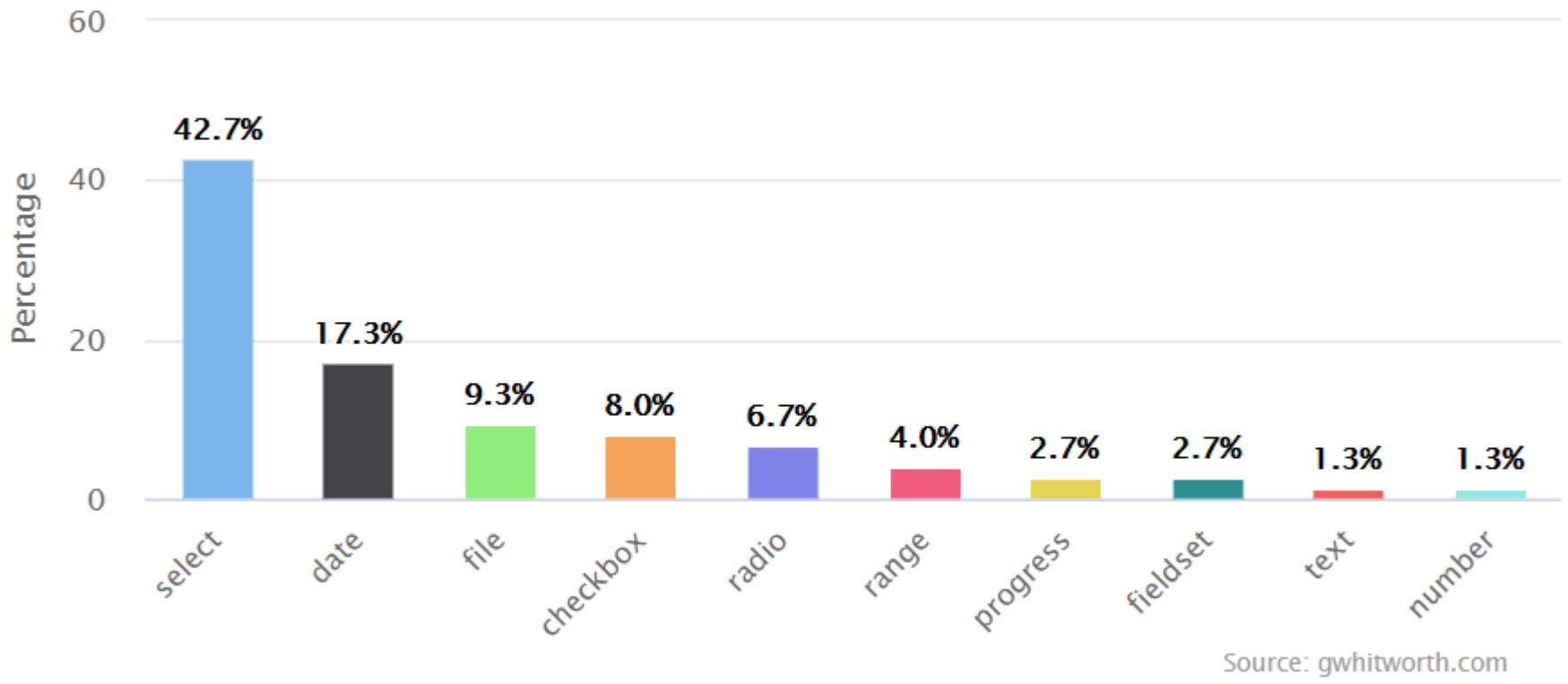
Sou

Top 10 form controls re-created by web developers



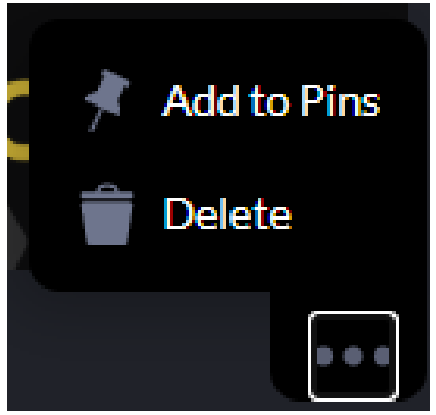
Source: gwhitworth.com

Which control frustrates you the most?



No keyboard support

Alexa Rank: 1,247



No keyboard or AT support

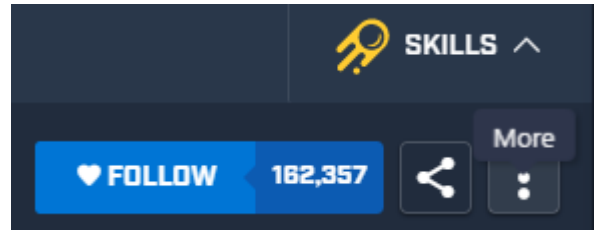
Rank: 454

Not focusable via Keyboard

Alexa Rank: 96

Not focusable via Keyboard nor AT Support

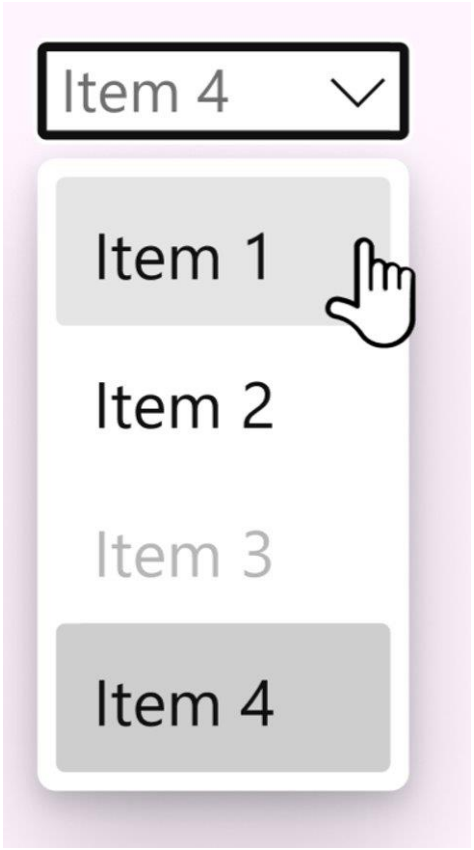
Alexa Rank: 1,293



Fabric

Open UI

open-ui.org



ARIA

W3C®

WHATWG

IONIC

Fabric

FAST DNA

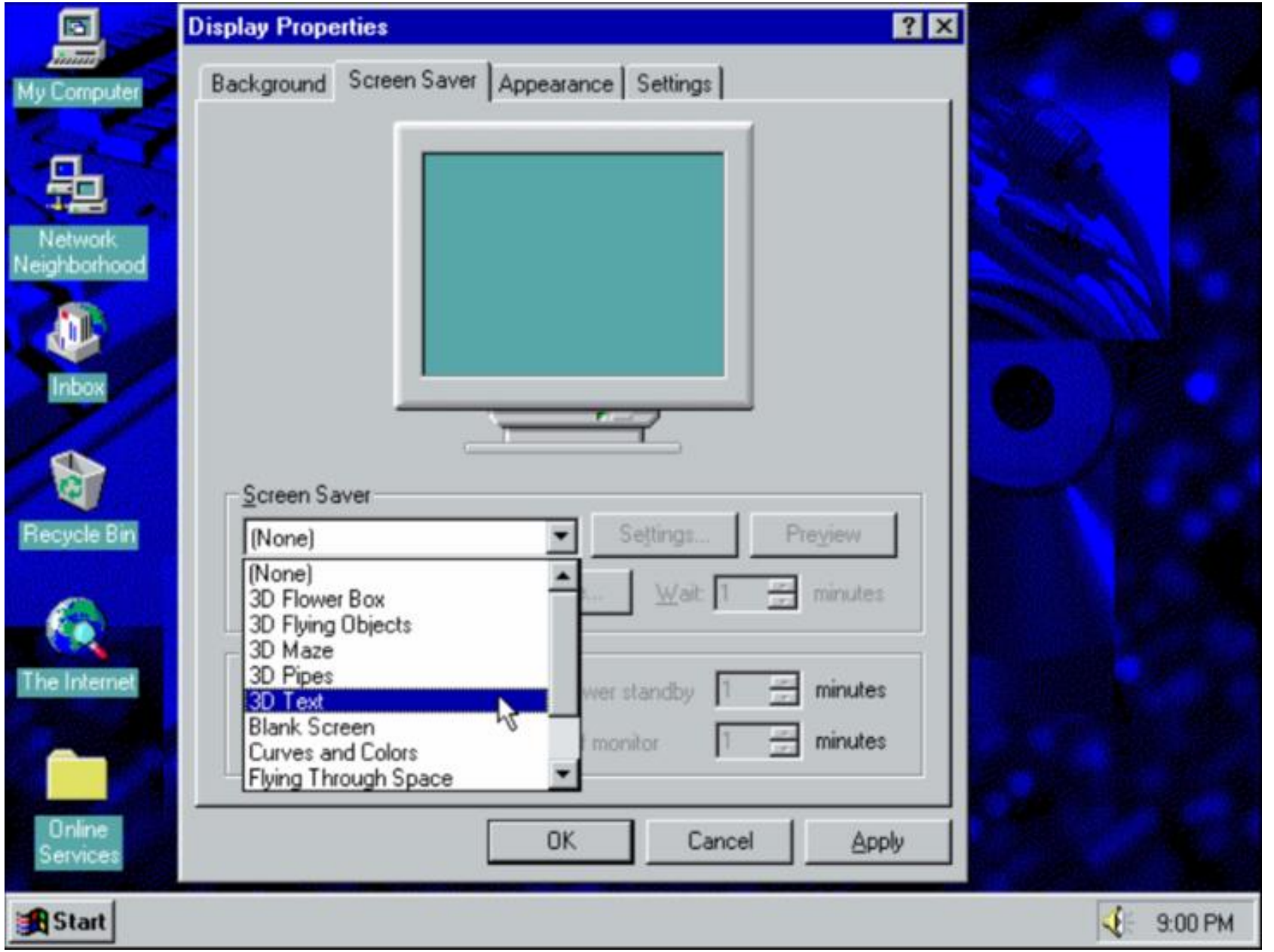
Blueprint

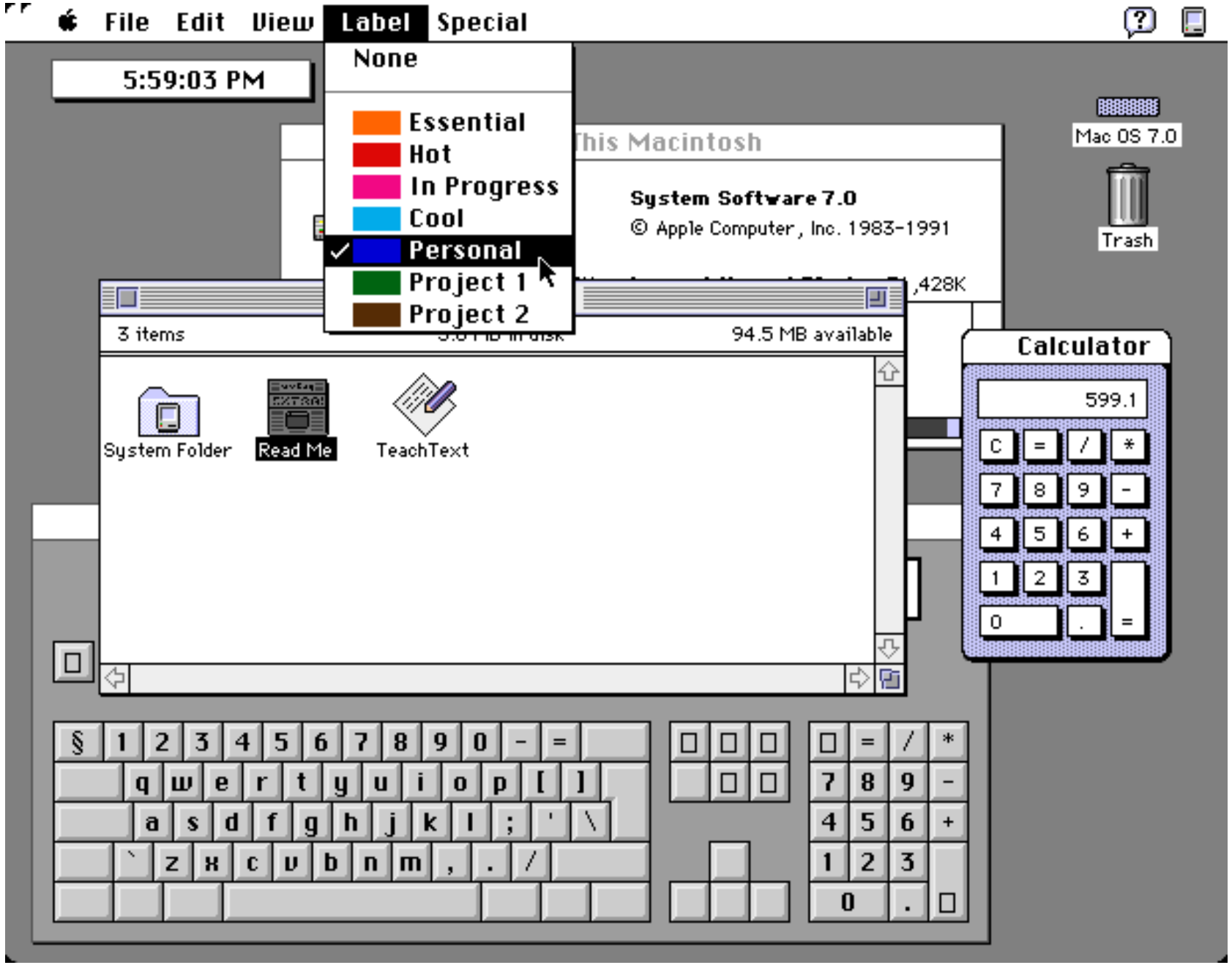
salesforce

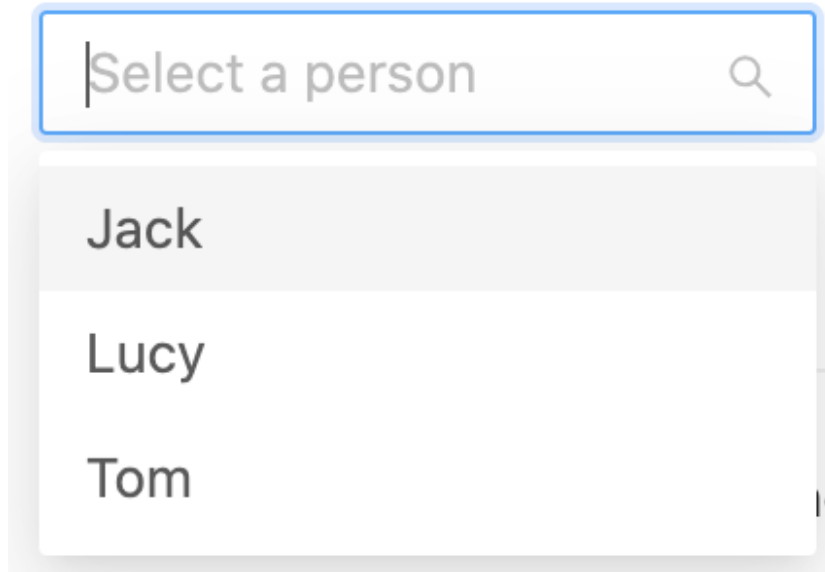
Linked in

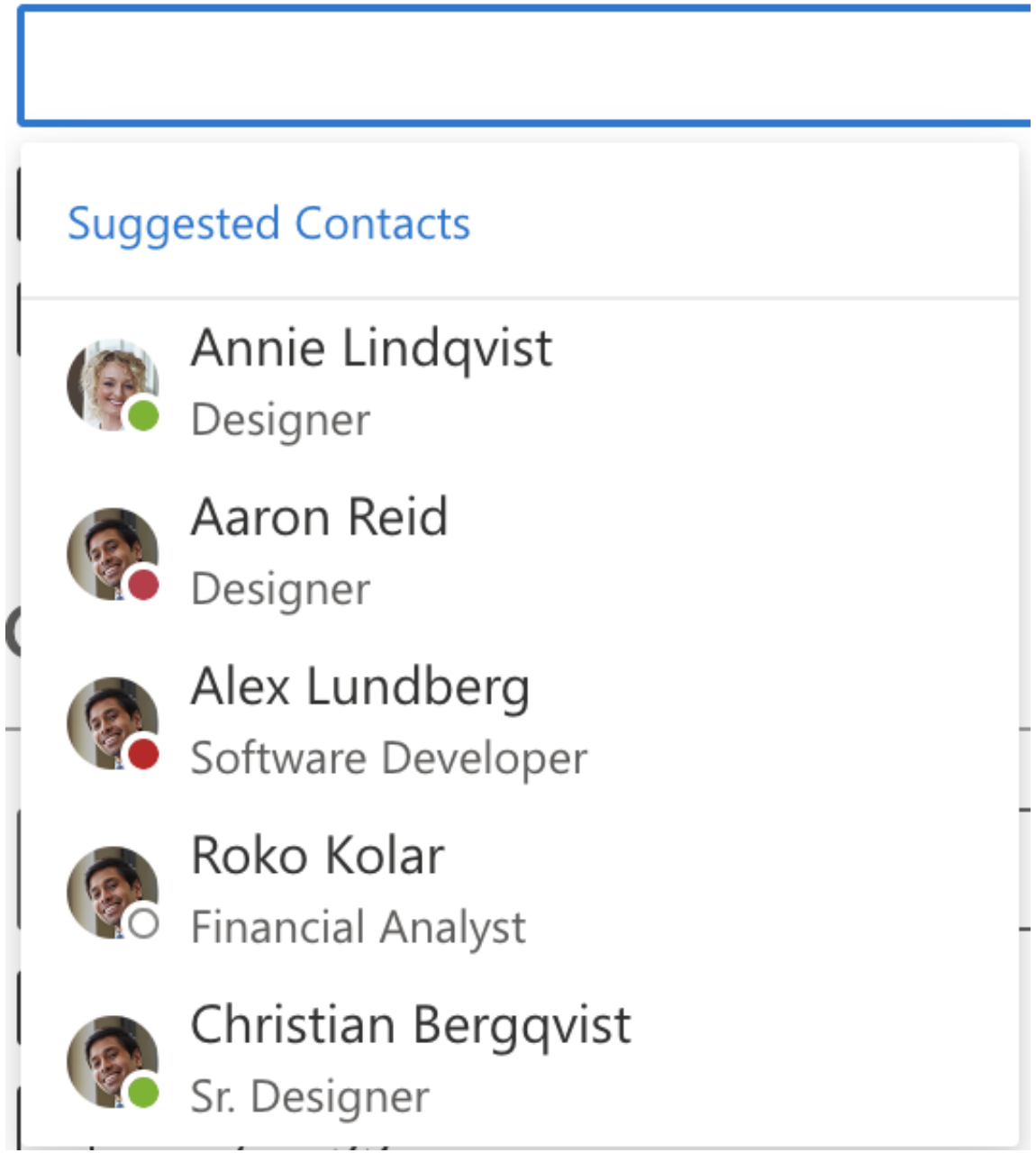
Control: a type of component that allows some form of user interaction. The control has controller code that manages the transition of the component's states and the model based on end user interaction with the defined parts.

Control: a type of component that allows some form of user interaction. The control has controller code that manages the transition of the component's states and the model based on end user interaction with the defined parts.


My Computer
Network Neighborhood
Inbox
Recycle Bin
The Internet
Online Services
Display Properties
Background
Screen Saver
Appearance
Settings
Screen Saver
(None)
Settings...
Preview
Wait:
minutes
(None)
3D Flower Box
3D Flying Objects
3D Maze
3D Pipes
3D Text
Blank Screen
Curves and Colors
Flying Through Space
minutes
minutes
OK
Cancel
Apply
Start
9:00 PM


File
Edit
View
Label
Special
None
Essential
Hot
In Progress
Cool
Personal
Project 1
Project 2
5:59:03 PM
This Macintosh
System Software 7.0
© Apple Computer, Inc. 1983-1991
Mac OS 7.0
Trash
3 items
94.5 MB available
System Folder
Read Me
TeachText
Calculator
599.1


Select a person
Jack
Lucy
Tom

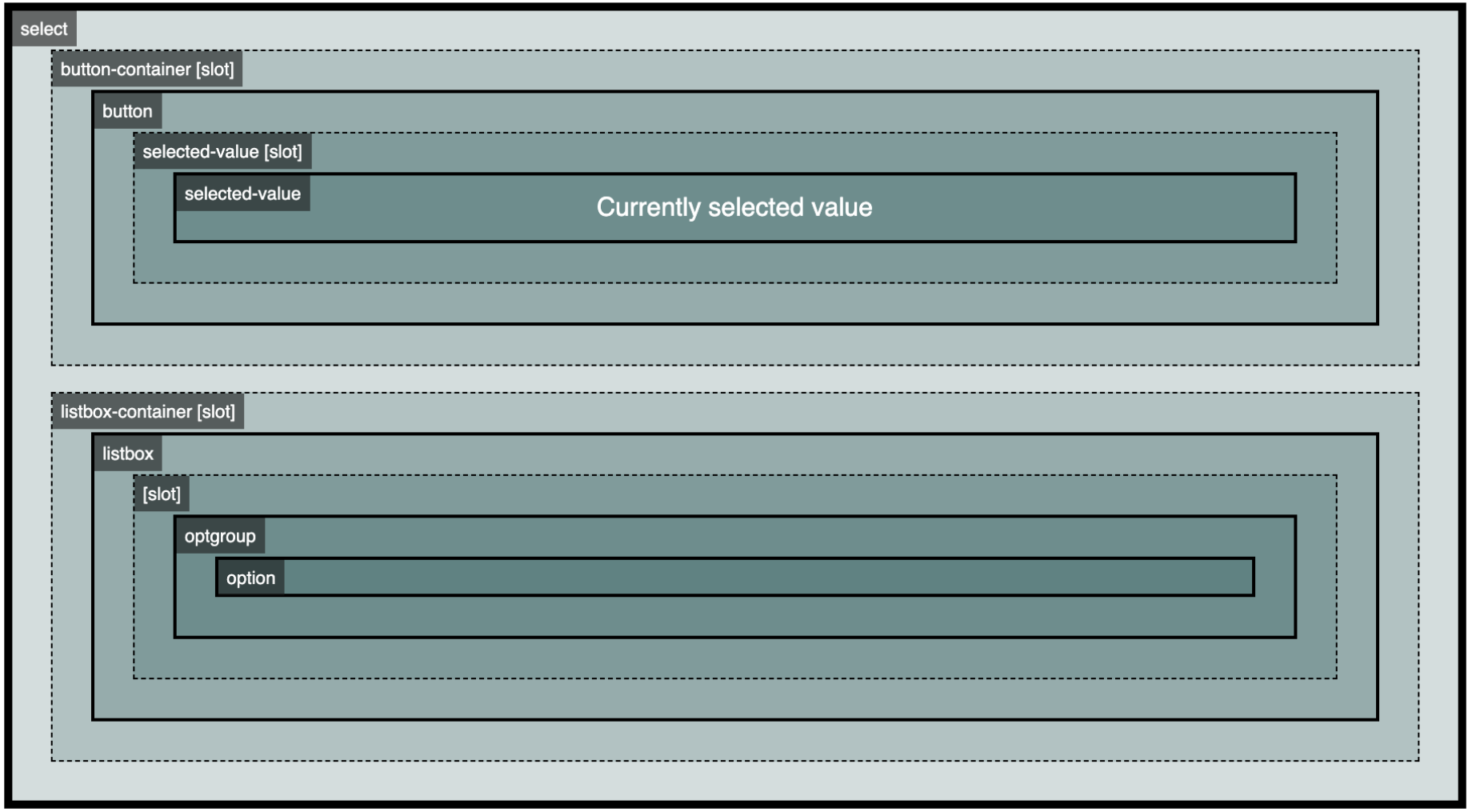

Suggested Contacts
Annie Lindqvist
Designer
Aaron Reid
Designer
Alex Lundberg
Software Developer
Roko Kolar
Financial Analyst
Christian Bergqvist
Sr. Designer

View
US Dollar (USD)
Label
Mountain View
Sunnyvale
Cupertino
Santa Clara
San Jose

Anatomy

Diagram

☑ Show slots



part listbox

Event	Behavior	Impacts
`keydown(down key)`	Moves focus to the next `<option>` in the listbox	focus
`keydown(up key)`	Moves focus to the previous `<option>` in the listbox	focus
`keydown(enter)`	Changes the `selected` state of the current `<option>` and updates the `<select>` value property	selected prop value prop
`keydown(space)`	Changes the `selected` state of the current `<option>` and updates the `<select>` value property	selected prop value prop
`keydown(enter)`	If the `<select>` does **not** have the `multiple` attribute then toggle the state of `open` on the `<select>`	open state
`keydown(enter)`	If the `<select>` does **not** have the `multiple` attribute then toggle the `aria-expanded` attribute on the `button part`	aria-expanded attr
`keydown(space)`	If the `<select>` does **not** have the `multiple` attribute then toggle the state of `open` on the `<select>`	open state
	If the `<select>` does **not** have the `multiple` attribute then toggle the `aria-expanded`	aria-expanded

```
<oui-select>
    <div slot="button-container" part="button">
      <div part="selected-value">A</div>
    </div>
    <oui-listbox>
      <oui-option value="A">A</oui-option>
    </oui-listbox>
</oui-select>
```

```
<div slot="button-container" part="button" tabindex="0"
aria-haspopup="listbox" aria-expanded="false" role="button">
```

Demo of component MVC model

Resources

HTML isn't done Chrome Dev Summit talk

Enabling Custom UI Control Explainer

Form control survey results

Can we please style the <select> - blog post

<select> survey results

Improving form controls in Microsoft Edge & Chromium