Chrome Developer Tools

Demo

- Accessing Chrome developer tools

- Using developer tools panes

- Editing styles to visualize selectors

- Generating CSS selectors inside Chrome

- Generating XPath selectors inside Chrome

- Real world challenges

Bread Crums

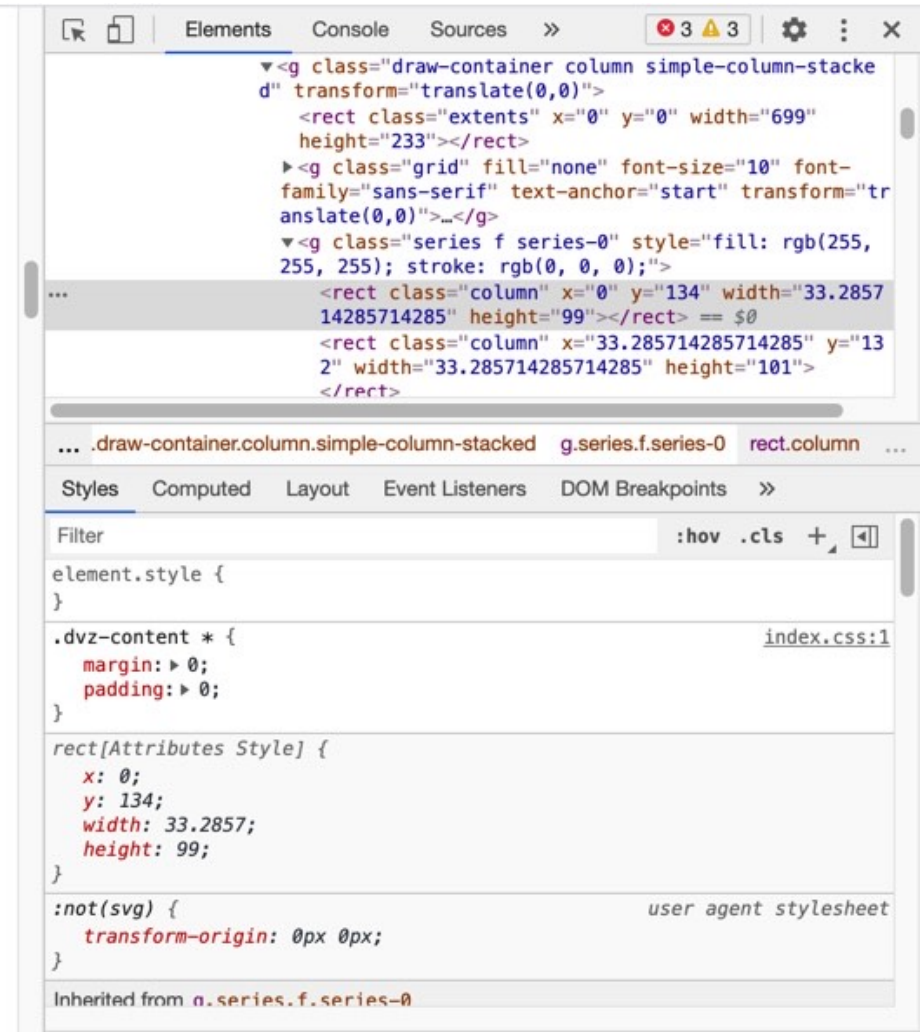first month of ownership. Customers were asked to categorize each defect as a "major" or "minor" issue.

Quality Improves in 2019
Defects per 100 vehicles within the first 30 days of ownership

☐ Minor Issues ■ Major Issues

Tesla begins shipping
Model 3 overseas

rect.column 33.29 × 99

150

100

50

0

Jan 2018   Mar   May   Jul   Sep   Nov   Jan 2019   Mar   May   Jul   Sep

The worst single month for Tesla defects was February 2019, which recorded 101 issues for every 100 cars sold. That's when Tesla began overseas exports amid a dizzying stretch of changes to production and logistics that led to half of the quarter's deliveries rushed out in the final 10 days.
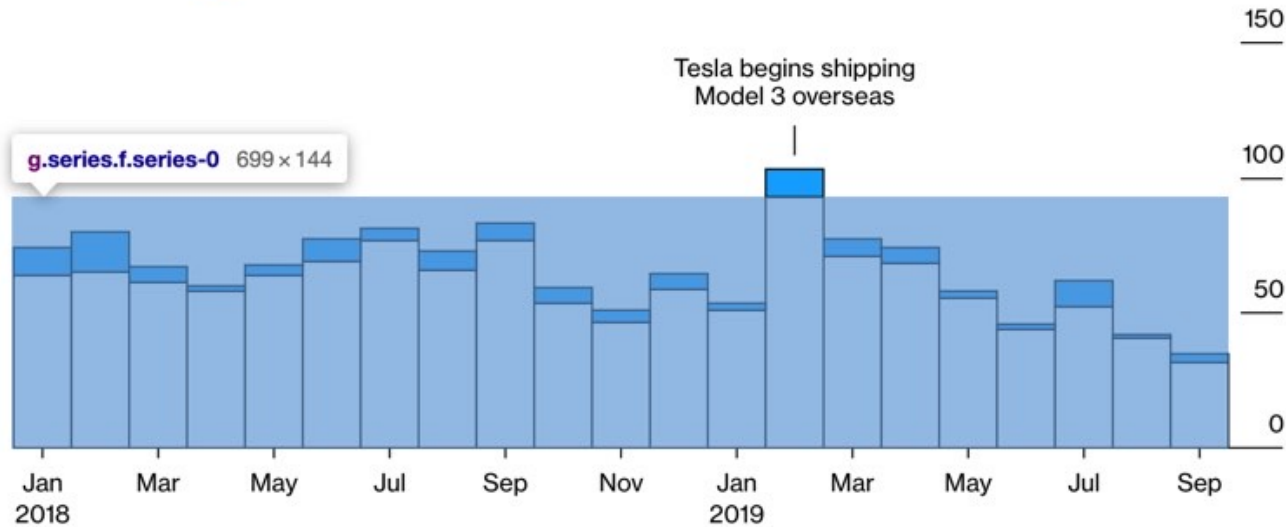
The lower part of graph in series 0

Verify by expanding the values

The upper part in series 1

Verify by expanding the values

This is the data we are interested in

Problem: Not available (Generated by Java Script)

Quality Improves in 2019

Defects per 100 vehicles within the first 30 days of ownership

☐ Minor Issues   ■ Major Issues

2018/7/1
☐   76.4
■   4.6
Total   81.0

Tesla begins shipping
Model 3 overseas

150
100
50
0

Jan 2018   Mar   May   Jul   Sep   Nov   Jan 2019   Mar   May   Jul   Sep

Solution : Inspect the column its height is 119
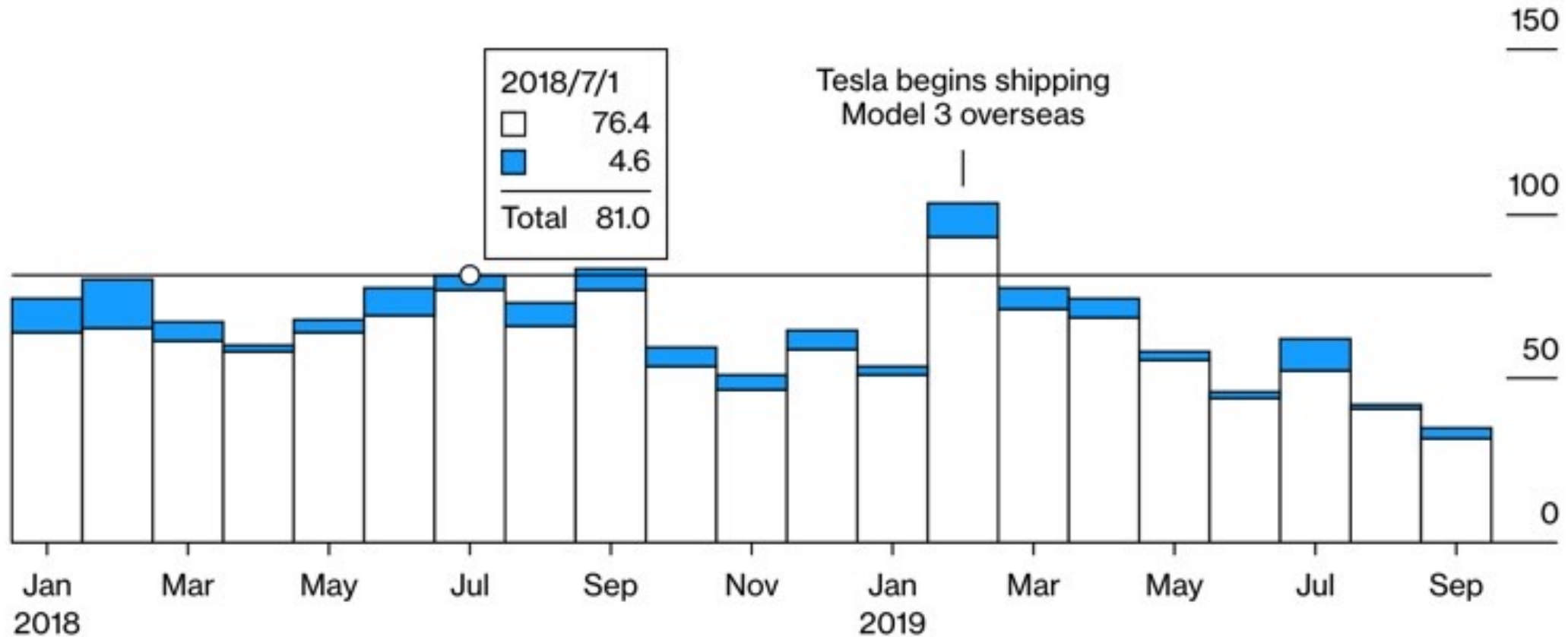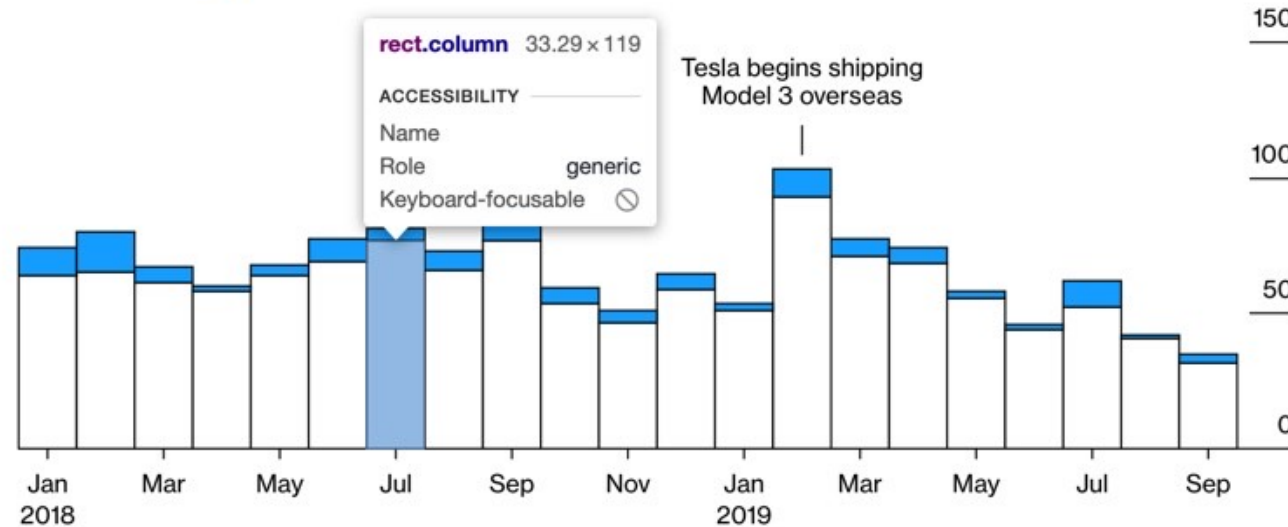
Quality Improves in 2019
Defects per 100 vehicles within the first 30 days of ownership

☐ Minor Issues ■ Major Issues

rect.column   33.29 × 119

ACCESSIBILITY

Name
Role   generic
Keyboard-focusable ⊘

Tesla begins shipping
Model 3 overseas

150

100

50

0

Jan   Mar   May   Jul   Sep   Nov   Jan   Mar   May   Jul   Sep
2018   2019

```
<rect class="column" x="166.42857142857142" y="12
6" width="33.285714285714285" height="107">
</rect>
<rect class="column" x="199.71428571428572" y="11
4" width="33.285714285714285" height="119">
</rect> == $0
<rect class="column" x="233" y="131" width="33.28
5714285714285" height="102"></rect>
<rect class="column" x="266.2857142857143" y="11
4" width="33.285714285714285" height="119">
</rect>
```

... .draw-container.column.simple-column-stacked   g.series.f.series-0   rect.column ...

Styles   Computed   Layout   Event Listeners   DOM Breakpoints   »

Filter   :hov .cls + ◁

```
element.style {
}
.dvz-content * {                                index.css:1
  margin: ▸ 0;
  padding: ▸ 0;
}
rect[Attributes Style] {
  x: 199.714;
  y: 114;
  width: 33.2857;
```
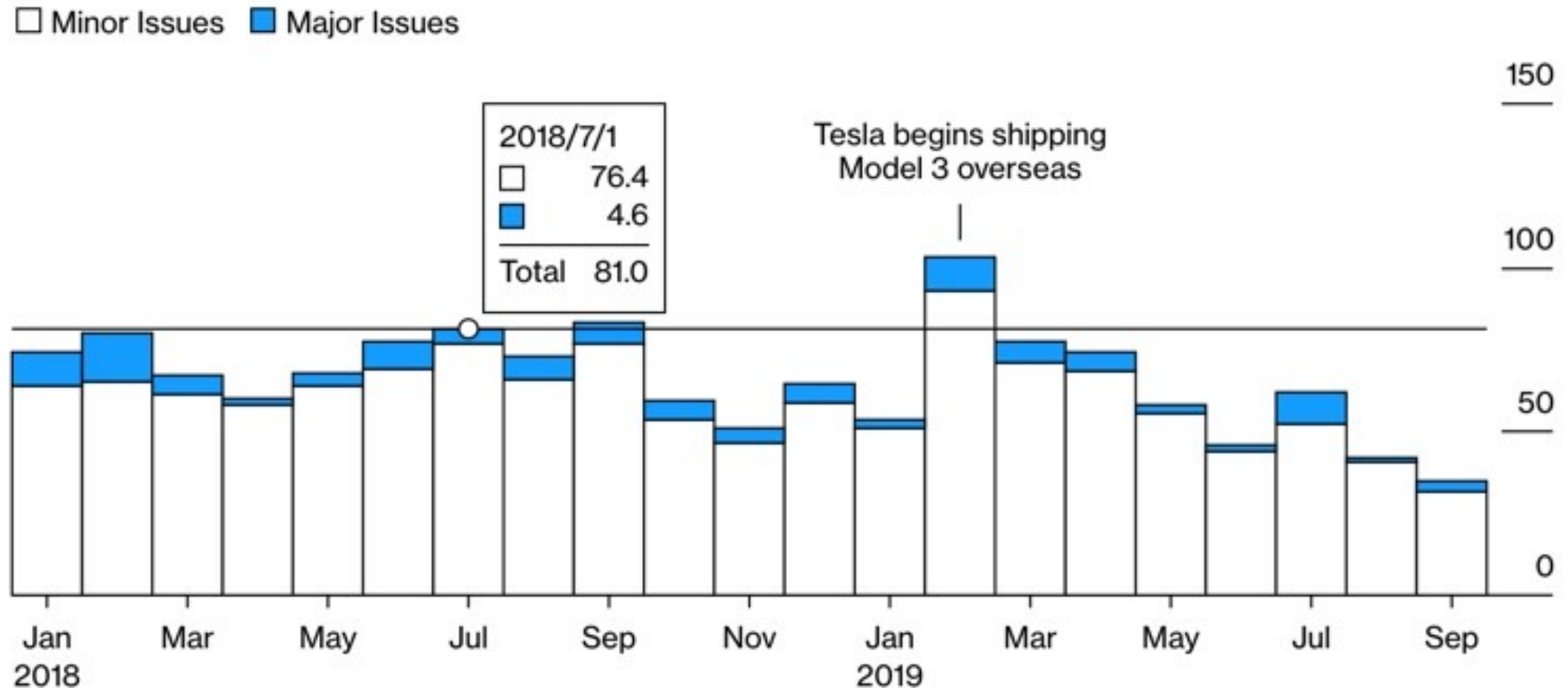
Task: Get the top part of that column

It has height 7

Height 119 Maps to 76.4 and Top part height 7 maps to 4.6

Scrape the table and apply the ratios to get the data

Minor Issues   Major Issues

2018/7/1
☐   76.4
☐   4.6
─────────
Total   81.0

Tesla begins shipping
Model 3 overseas

150

100

50

0

Jan
2018
Mar   May   Jul   Sep   Nov   Jan
2019
Mar   May   Jul   Sep

Summary

HTML & CSS selectors

XPath selectors

Chrome developer tools