

CSS Masonry

Brandon Stewart

< More Videos

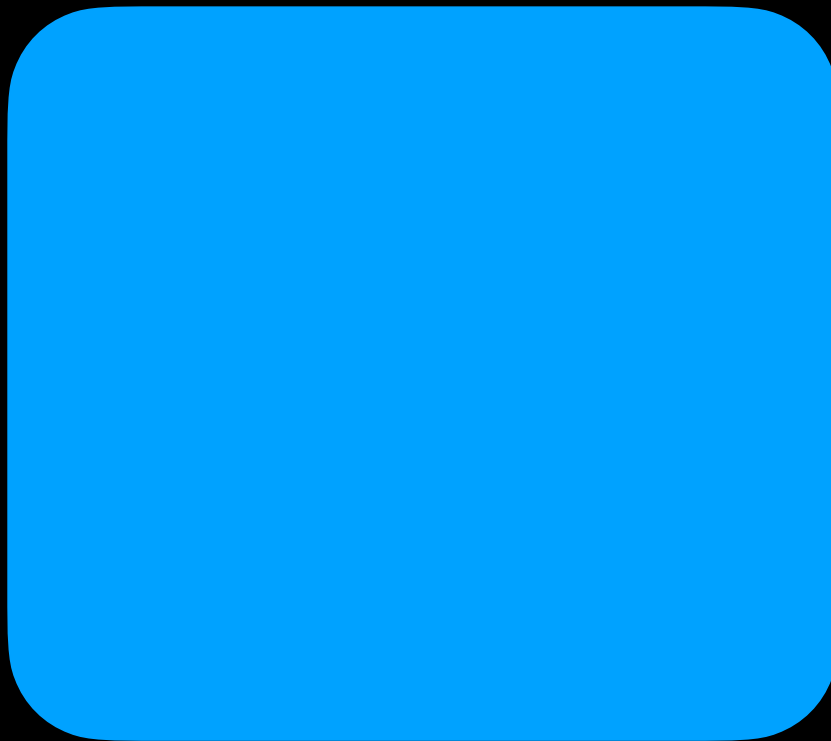
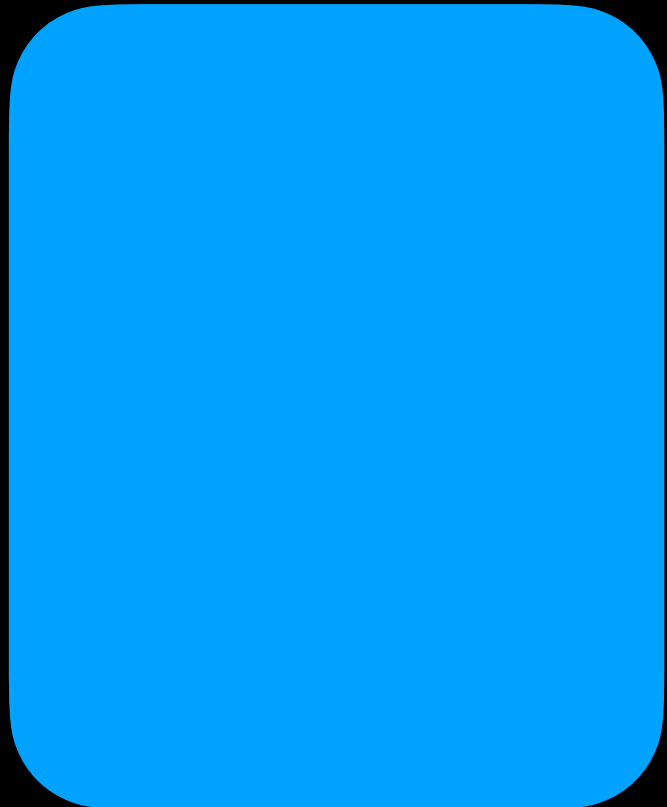
↶ ↷

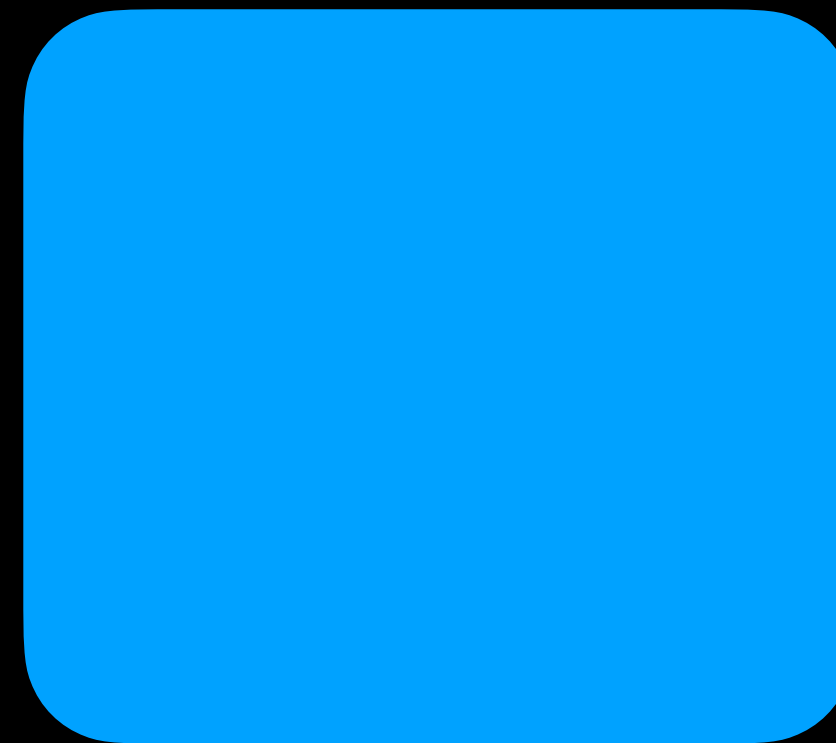
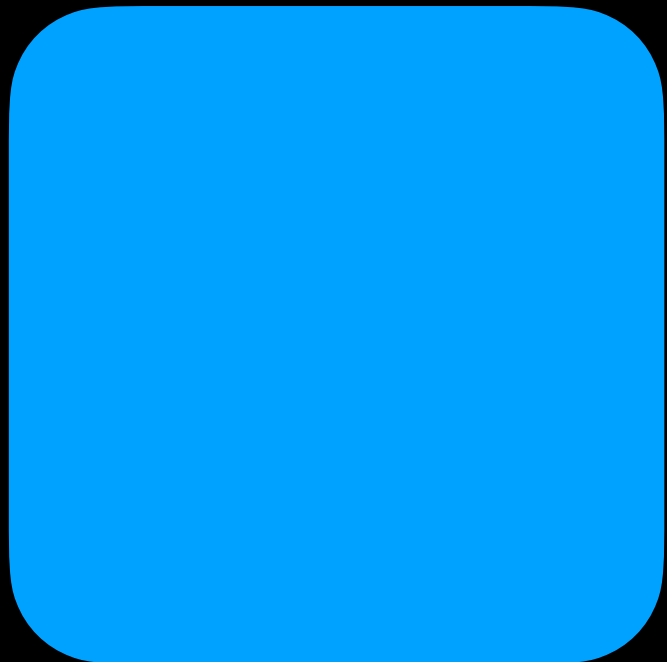
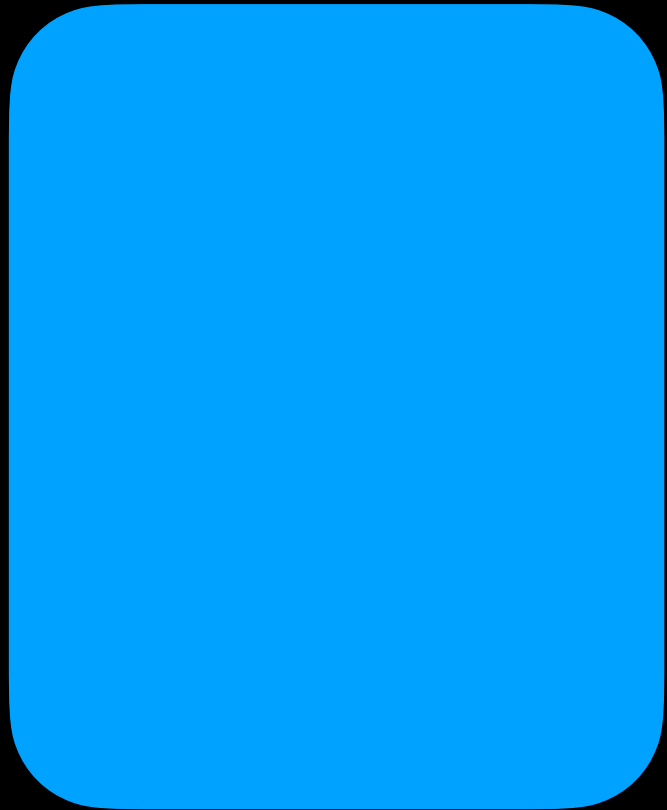
CSS masonry

```
main {
  display: grid;
  grid-template-columns:
    10rem 1fr minmax(100px, 300px);
  grid-template-rows: masonry;
}
```

03:36 35:05

Overview Transcript Code





1

5

2

6

3

4

7

```
display: grid;  
grid-template-columns: 1fr 3fr 2fr;  
grid-template-rows: masonry;
```

TABLE OF CONTENTS

- 1 Introduction**
- 1.1 Background and Motivation
- 1.2 Value Definitions
- 2 Masonry Layout**
- 2.1 Line Name Resolution
- 2.2 Grid Axis Track Sizing
 - 2.2.1 repeat(auto-fit)
- 2.3 Masonry Layout Algorithm
- 2.4 The 'masonry-auto-flow' Property
- 3 Containing Block**
- 4 The Implicit Grid**
- 5 Sizing Grid Containers**
- 6 Alignment and Spacing**
- 6.1 The 'align-tracks' and 'justify-tracks' Properties
- 6.2 Stretch Alignment in the Masonry Axis
- 6.3 Individual Track Alignment in the Masonry Axis
- 6.4 Baseline Alignment in the Masonry Axis
- 7 Fragmentation**
- 7.1 Fragmentation in the Masonry Axis
- 7.2 Fragmentation in the Grid Axis
- 8 Subgrids**
- 9 Absolute Positioning**
- 10 Performance Notes**
- 11 Graceful Degradation**
- 12 Acknowledgements**

CSS Grid Layout Module Level 3

Editor's Draft, 19 October 2023



▼ More details about this document

This version:
<https://drafts.csswg.org/css-grid-3/>

Issue Tracking:
[CSSWG Issues Repository](#)
[Inline In Spec](#)

Editors:
[Tab Atkins Jr.](#) (Google)
[Elika J. Etemad / fantasai](#) (Apple)
[Mats Palmgren](#) (Mozilla)
[Jen Simmons](#) (Apple)

Suggest an Edit for this Spec:
[GitHub Editor](#)

Copyright © 2023 [World Wide Web Consortium](#). W3C® [liability](#), [trademark](#) and [permissive document license](#) rules apply.

Abstract

This module introduces masonry layout as an additional layout mode for [CSS Grid](#) containers.

[CSS](#) is a language for describing the rendering of structured documents (such as HTML and XML) on screen, on paper, etc.

Status of this document

This is a public copy of the editors' draft. It is provided for discussion only and may change at any moment. Its publication here does not imply endorsement of its contents by W3C. Don't cite this document other than as work in progress.

Please send feedback by [filing issues in GitHub](#) (preferred), including the spec code "css-grid" in the title, like this: "[css-grid] ...summary of comment...". All issues and comments are [archived](#). Alternately, feedback can be

Align Tracks & Justify Tracks

Removed

Intrinsic Track Sizing Changes

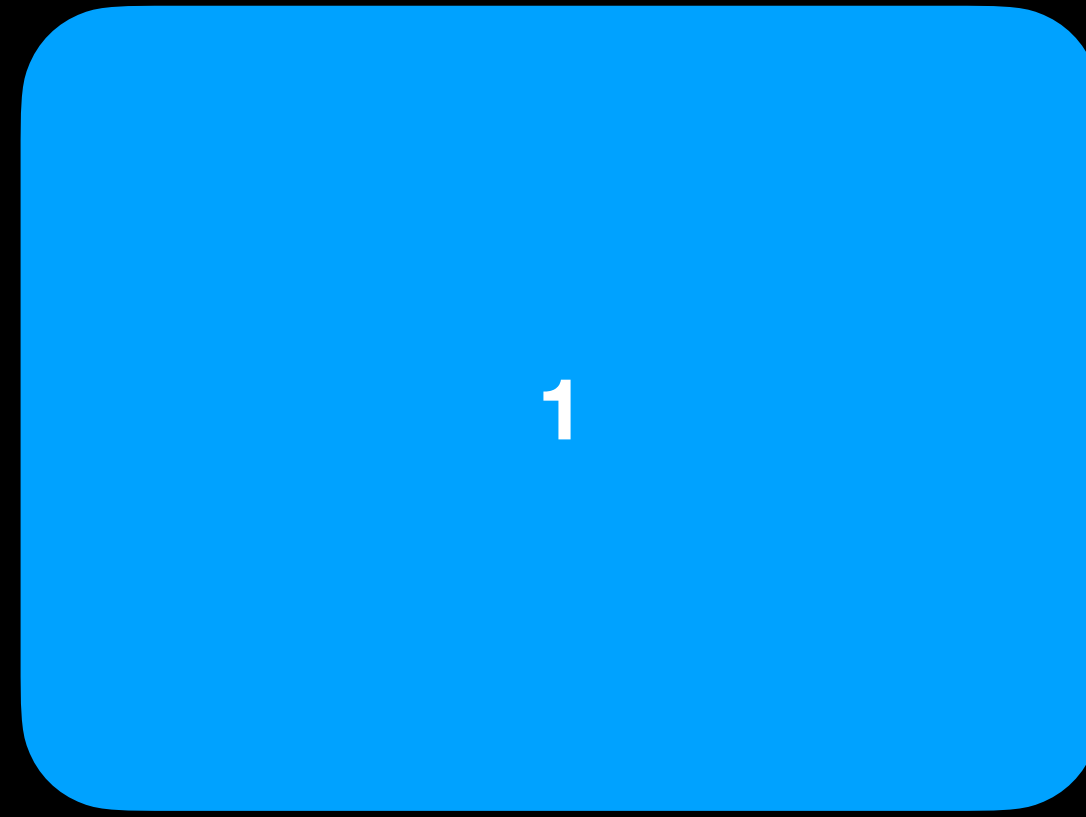
```
display: grid;  
grid-template-columns: auto auto auto;  
grid-template-rows: masonry;
```

“Row 1”

“Row 1”

“Row 1”

grid-column: 2;





Questions